

Object	Property Name	Property Value
GND	Name	I5586117
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	380
	Bounding Box Bottom	392
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	380
	Font	Courier New

Object	Property Name	Property Value
+V	Name	I5586123
	Bounding Box Left	1290
	Bounding Box Right	1302
	Bounding Box Top	390
	Bounding Box Bottom	402
	Text	+V
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	390
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5586129
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	400
	Bounding Box Bottom	412
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	400
	Font	Courier New

Object	Property Name	Property Value
Vph	Name	I5586135
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	410
	Bounding Box Bottom	422
	Text	Vph
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	410
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5586141
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	420
	Bounding Box Bottom	432
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	420
	Font	Courier New

Object	Property Name	Property Value
Vref	Name	I5586147
	Bounding Box Left	1290
	Bounding Box Right	1312
	Bounding Box Top	430
	Bounding Box Bottom	442
	Text	Vref
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	430
	Font	Courier New

Object	Property Name	Property Value
-V	Name	I5586153
	Bounding Box Left	1290
	Bounding Box Right	1302
	Bounding Box Top	450
	Bounding Box Bottom	462
	Text	-V
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	450
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5586159
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	460
	Bounding Box Bottom	472
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	460
	Font	Courier New

Object	Property Name	Property Value
CASE	Name	I5586171
	Bounding Box Left	1290
	Bounding Box Right	1312
	Bounding Box Top	470
	Bounding Box Bottom	482
	Text	CASE
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	470
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5597855
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	440
	Bounding Box Bottom	452
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	440
	Font	Courier New

Object	Property Name	Property Value
Thom Maughan	Name	I5658884
	Bounding Box Left	1170
	Bounding Box Right	1232
	Bounding Box Top	870
	Bounding Box Bottom	882
	Text	Thom Maughan
	Text Location X-Coordinate	1170
	Text Location Y-Coordinate	870
	Font	Courier New

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5512823)	Name	VFE2ISO-

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5512827)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5512839)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5512847 : N5512847 (Wire ID = 5512847)	Name	N5512847

Object	Property Name	Property Value
N5512851 : N5512851 (Wire ID = 5512851)	Name	N5512851

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5512871)	Name	VFE2ISO-

Object	Property Name	Property Value
N5512875 : N5512875 (Wire ID = 5512875)	Name	N5512875

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5512911)	Name	N5512911

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5512963)	Name	N5512911

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5512987)	Name	VFE2ISO+

Object	Property Name	Property Value
N5512991 : N5512991 (Wire ID = 5512991)	Name	N5512991

Object	Property Name	Property Value
N5512995 : N5512995 (Wire ID = 5512995)	Name	N5512995

Object	Property Name	Property Value
N5513015 : N5513015 (Wire ID = 5513015)	Name	N5513015

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513019)	Name	VFE2ISO-

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513031)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513035)	Name	VFE2ISO-

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513039)	Name	VFE2ISO-

Object	Property Name	Property Value
N5513043 : N5513043 (Wire ID = 5513043)	Name	N5513043

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513055)	Name	VFE2ISO-

Object	Property Name	Property Value
N5513059 : N5513059 (Wire ID = 5513059)	Name	N5513059

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5513063)	Name	N5512911

Object	Property Name	Property Value
N5512851 : N5512851 (Wire ID = 5513067)	Name	N5512851

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5513079)	Name	N5512911

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513107)	Name	VFE2ISO+

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513123)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5513127)	Name	N5512911

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513139)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513167)	Name	VFE2ISO-

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513171)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513175)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5513179 : N5513179 (Wire ID = 5513179)	Name	N5513179

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5513183)	Name	N5512911

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513187)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513191)	Name	VFE2ISO+

Object	Property Name	Property Value
N5513203 : N5513203 (Wire ID = 5513203)	Name	N5513203

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513207)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513211)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5513179 : N5513179 (Wire ID = 5513215)	Name	N5513179

Object	Property Name	Property Value
N5512847 : N5512847 (Wire ID = 5513223)	Name	N5512847

Object	Property Name	Property Value
N5512851 : N5512851 (Wire ID = 5513235)	Name	N5512851

Object	Property Name	Property Value
N5512847 : N5512847 (Wire ID = 5513255)	Name	N5512847

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513259)	Name	VFE2ISO-

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513263)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513267)	Name	VFE2ISO+

Object	Property Name	Property Value
N5512851 : N5512851 (Wire ID = 5513271)	Name	N5512851

Object	Property Name	Property Value
N5513331 : N5513331 (Wire ID = 5513331)	Name	N5513331

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513355)	Name	VFE2ISO-

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513359)	Name	VFE2ISO-

Object	Property Name	Property Value
N5513363 : N5513363 (Wire ID = 5513363)	Name	N5513363

Object	Property Name	Property Value
N5513363 : N5513363 (Wire ID = 5513367)	Name	N5513363

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513371)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513379)	Name	VFE2ISO+

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5513419)	Name	N5512911

Object	Property Name	Property Value
N5513439 : N5513439 (Wire ID = 5513439)	Name	N5513439

Object	Property Name	Property Value
N5513439 : N5513439 (Wire ID = 5513443)	Name	N5513439

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513447)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513451)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5513471 : N5513471 (Wire ID = 5513471)	Name	N5513471

Object	Property Name	Property Value
N5513471 : N5513471 (Wire ID = 5513475)	Name	N5513471

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513491)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513495)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5513059 : N5513059 (Wire ID = 5513515)	Name	N5513059

Object	Property Name	Property Value
N5513059 : N5513059 (Wire ID = 5513519)	Name	N5513059

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513523)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513527)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5513043 : N5513043 (Wire ID = 5513531)	Name	N5513043

Object	Property Name	Property Value
N5513043 : N5513043 (Wire ID = 5513535)	Name	N5513043

Object	Property Name	Property Value
N5513331 : N5513331 (Wire ID = 5513539)	Name	N5513331

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513543)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513547)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5512875 : N5512875 (Wire ID = 5513551)	Name	N5512875

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5513555)	Name	N5512911

Object	Property Name	Property Value
N5513179 : N5513179 (Wire ID = 5513575)	Name	N5513179

Object	Property Name	Property Value
N5513015 : N5513015 (Wire ID = 5513579)	Name	N5513015

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513607)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5513611)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5512995 : N5512995 (Wire ID = 5513615)	Name	N5512995

Object	Property Name	Property Value
N5512995 : N5512995 (Wire ID = 5513619)	Name	N5512995

Object	Property Name	Property Value
N5513331 : N5513331 (Wire ID = 5513661)	Name	N5513331

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513665)	Name	VFE2ISO+

Object	Property Name	Property Value
N5512847 : N5512847 (Wire ID = 5513669)	Name	N5512847

Object	Property Name	Property Value
N5512847 : N5512847 (Wire ID = 5513673)	Name	N5512847

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513677)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5513681)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513685)	Name	VFE2ISO-

Object	Property Name	Property Value
N5512995 : N5512995 (Wire ID = 5513689)	Name	N5512995

Object	Property Name	Property Value
N5512995 : N5512995 (Wire ID = 5513693)	Name	N5512995

Object	Property Name	Property Value
N5512995 : N5512995 (Wire ID = 5513697)	Name	N5512995

Object	Property Name	Property Value
N5513059 : N5513059 (Wire ID = 5513723)	Name	N5513059

Object	Property Name	Property Value
N5513059 : N5513059 (Wire ID = 5513727)	Name	N5513059

Object	Property Name	Property Value
N5513059 : N5513059 (Wire ID = 5513731)	Name	N5513059

Object	Property Name	Property Value
N5512875 : N5512875 (Wire ID = 5513735)	Name	N5512875

Object	Property Name	Property Value
N5512991 : N5512991 (Wire ID = 5513743)	Name	N5512991

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5513775)	Name	VFE2ISO-

Object	Property Name	Property Value
N5513015 : N5513015 (Wire ID = 5513811)	Name	N5513015

Object	Property Name	Property Value
N5513837 : N5513837 (Wire ID = 5513837)	Name	N5513837

Object	Property Name	Property Value
N5512991 : N5512991 (Wire ID = 5513841)	Name	N5512991

Object	Property Name	Property Value
N5513179 : N5513179 (Wire ID = 5513867)	Name	N5513179

Object	Property Name	Property Value
N5513331 : N5513331 (Wire ID = 5513875)	Name	N5513331

Object	Property Name	Property Value
N5512847 : N5512847 (Wire ID = 5513879)	Name	N5512847

Object	Property Name	Property Value
N5513203 : N5513203 (Wire ID = 5610239)	Name	N5513203

Object	Property Name	Property Value
N5513203 : N5513203 (Wire ID = 5610357)	Name	N5513203

Object	Property Name	Property Value
N5513837 : N5513837 (Wire ID = 5610593)	Name	N5513837

Object	Property Name	Property Value
N5513837 : N5513837 (Wire ID = 5611343)	Name	N5513837

Object	Property Name	Property Value
N5513331 : N5513331 (Wire ID = 5611742)	Name	N5513331

Object	Property Name	Property Value
N5513331 : N5513331 (Wire ID = 5611863)	Name	N5513331

Object	Property Name	Property Value
N5513331 : N5513331 (Wire ID = 5611983)	Name	N5513331

Object	Property Name	Property Value
N5513331 : N5513331 (Wire ID = 5612228)	Name	N5513331

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5612765)	Name	N5512911

Object	Property Name	Property Value
N5512911 : N5512911 (Wire ID = 5612890)	Name	N5512911

Object	Property Name	Property Value
N5512851 : N5512851 (Wire ID = 5616826)	Name	N5512851

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5624225)	Name	VFE2ISO+

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5624349)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5624355)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5624488)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5626943)	Name	VFE2ISO-

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5627075)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5627077)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5634475)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
GND_EARTH_0 : GND_EARTH_0 (Wire ID = 5635174)	Name	GND_EARTH_0

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5635306)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
GND_EARTH_0 : GND_EARTH_0 (Wire ID = 5635439)	Name	GND_EARTH_0

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5636316)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5636896)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5513363 : N5513363 (Wire ID = 5638198)	Name	N5513363

Object	Property Name	Property Value
N5513363 : N5513363 (Wire ID = 5638333)	Name	N5513363

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5638921)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5638923)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5639061)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5639063)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5639205)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5639207)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5639349)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5639351)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5639497)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5639499)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5512847 : N5512847 (Wire ID = 5639956)	Name	N5512847

Object	Property Name	Property Value
N5512847 : N5512847 (Wire ID = 5640103)	Name	N5512847

Object	Property Name	Property Value
N5512847 : N5512847 (Wire ID = 5640105)	Name	N5512847

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5640873)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5640875)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5641498)	Name	VFE2ISO-

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5641648)	Name	VFE2ISO-

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5641650)	Name	VFE2ISO-

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5644149)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5645668)	Name	VFE2ISO-

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5647596)	Name	VFE2ISO+

Object	Property Name	Property Value
VFE2iso+ : VFE2ISO+ (Wire ID = 5647753)	Name	VFE2ISO+

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5647911)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5648070)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5648074)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5649537)	Name	VFE2ISO-

Object	Property Name	Property Value
VFE2iso- : VFE2ISO- (Wire ID = 5649541)	Name	VFE2ISO-

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5649704)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
iso2 : ISO2 (Wire ID = 5649706)	NODENAME	iso2
	Name	ISO2

Object	Property Name	Property Value
N5513179 : N5513179 (Wire ID = 5652555)	Name	N5513179

Object	Property Name	Property Value
N5513179 : N5513179 (Wire ID = 5652557)	Name	N5513179

Object	Property Name	Property Value
N5513179 : N5513179 (Wire ID = 5652561)	Name	N5513179

Object	Property Name	Property Value
N5512851 : N5512851 (Wire ID = 5652722)	Name	N5512851

Object	Property Name	Property Value
N5512851 : N5512851 (Wire ID = 5652724)	Name	N5512851

Object	Property Name	Property Value
N5512851 : N5512851 (Wire ID = 5652728)	Name	N5512851

Object	Property Name	Property Value
N5513043 : N5513043 (Wire ID = 5653887)	Name	N5513043

Object	Property Name	Property Value
GND_EARTH_0-1 : GND_EARTH_0-1 (Wire ID = 6061283)	Name	GND_EARTH_0-1

Object	Property Name	Property Value
GND_EARTH_0 : GND_EARTH_0 (Wire ID = 6081040)	Name	GND_EARTH_0

Object	Property Name	Property Value
GND_EARTH_0 : GND_EARTH_0 (Wire ID = 6081560)	Name	GND_EARTH_0

Object	Property Name	Property Value
GND_EARTH_0-1 : GND_EARTH_0-1 (Wire ID = 6085105)	Name	GND_EARTH_0-1

Object	Property Name	Property Value
GND_EARTH_0 : GND_EARTH_0 (Wire ID = 6085980)	Name	GND_EARTH_0

Object	Property Name	Property Value
GND_EARTH_0 : GND_EARTH_0 (Wire ID = 6085980)	Name	GND_EARTH_0

Object	Property Name	Property Value
VFE2iso-	Name	VFE2iso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE2iso-	Name	VFE2iso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VFE2iso-	Name	VFE2iso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VFE2iso+	Name	VFE2iso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VFE2iso+	Name	VFE2iso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE2iso+	Name	VFE2iso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE2iso-	Name	VFE2iso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE2iso-	Name	VFE2iso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VFE2iso+	Name	VFE2iso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE2iso+	Name	VFE2iso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso2	NODENAME	iso2
	Name	iso2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE2iso+	Name	VFE2iso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VFE2iso-	Name	VFE2iso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND_EARTH_0	Name	GND_EARTH_0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_0	Name	GND_EARTH_0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_0-1	Name	GND_EARTH_0-1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_0-1	Name	GND_EARTH_0-1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
TitleBlock0 : TitleBlock0	Path Name	TitleBlock0
	Schematic Path	/
	ID	2139
	Page Count	4
	Page Number	1
	Title	AD648 Discrete Instrumentation Amp Front End
	RevCode	1.0
	Cage Code	
	OrgName	
	OrgAddr1	
	OrgAddr2	
	OrgAddr3	
	OrgAddr4	
	Doc	10020229
	Name	TitleBlock0
	Design Name	PH_METER
	Design File Name	C:\USERS\JROSALI\APPDATA\ROAMING\SPB_DATA\CDSETUP\WORKSP
	Design Create Date	Thursday, August 21, 2008
	Design Modify Date	Tuesday, April 08, 2025
	Design Create Time	10:49:25
	Design Modify Time	09:35:36
	Schematic Name	SCHEMATIC1
	Schematic Create Date	Thursday, August 21, 2008
	Schematic Modify Date	Tuesday, April 08, 2025
	Schematic Create Time	10:49:26
	Schematic Modify Time	09:35:38
	Schematic Page Count	0
	Schematic Page Number	0
	Page Size	B
	Page Create Date	Tuesday, September 30, 2008
	Page Modify Date	Tuesday, April 08, 2025
	Page Create Time	07:48:52
	Page Modify Time	09:35:36
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	TitleBlock0
	Page Name	AD648 Front End

Object	Property Name	Property Value
INS5513381 : R18	Name	INS5513381
	ID	2179
	Reference	R18
	Designator	
	Part Reference	R18
	Value	100k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R18/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R18/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5513043
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5647101 : C8	Name	INS5647101
	ID	2513
	Reference	C8
	Designator	
	Part Reference	C8
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	270
	COMPLOC	[1785.933,1197.400]
	COMPSIDE	BOT
	FPLIST	
	GROUP	1
	PCB Footprint	CAPMP7343X430N
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C8/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C8/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5512877 : R11	Name	INS5512877
	ID	2146
	Reference	R11
	Designator	
	Part Reference	R11
	Value	56K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N_1206
	COMP_SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R11/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513059
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R11/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5512991
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513589 : C6	Name	INS5513589
	ID	2199
	Reference	C6
	Designator	
	Part Reference	C6
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206
	PCB Footprint	CAPC2013X130N_0805
	GROUP	1

Object	Property Name	Property Value
1 : C6/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C6/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso+
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513793 : R14	Name	INS5513793
	ID	2223
	Reference	R14
	Designator	
	Part Reference	R14
	Value	No Stuff 0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N 1206
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R14/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5512991
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R14/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5513363
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5625597 : C9	Name	INS5625597
	ID	2484
	Reference	C9
	Designator	
	Part Reference	C9
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	GROUP	1
	PCB Footprint	CAMP7343X430N
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C9/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C9/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6085458 : W4	Name	INS6085458
	ID	2596
	Reference	W4
	Designator	
	Part Reference	W4
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	SQ POST
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[605.000,584.000]
	COMPSIDE	TOP
	FPLIST	
	GROUP	3
	PCB Footprint	MISC_22AWG

Object	Property Name	Property Value
1 : W4/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5513089 : C11	Name	INS5513089
	ID	2167
	Reference	C11
	Designator	
	Part Reference	C11
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206
	PCB Footprint	CAPC2013X130N_0805
	GROUP	1

Object	Property Name	Property Value
1 : C11/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C11/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso+
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513497 : R7	Name	INS5513497
	ID	2193
	Reference	R7
	Designator	
	Part Reference	R7
	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R7/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5512911
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R7/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5513015
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513397 : R8	Name	INS5513397
	ID	2182
	Reference	R8
	Designator	
	Part Reference	R8
	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N 1206
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R8/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513439
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R8/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5513059
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5512893 : C5	Name	INS5512893
	ID	2149
	Reference	C5
	Designator	
	Part Reference	C5
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206
	PCB Footprint	CAPC2013X130N_0805
	GROUP	1

Object	Property Name	Property Value
1 : C5/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C5/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5512997 : R17	Name	INS5512997
	ID	2164
	Reference	R17
	Designator	
	Part Reference	R17
	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N 1206
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R17/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5512851
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R17/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513699 : U2	Name	INS5513699
	ID	2211
	Reference	U2
	Designator	B
	Part Reference	U2B
	Value	AD648/SO
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	1
	COMPGROUP	1
	PCB Footprint	SOIC127P600X175-8N_SOIC8

Object	Property Name	Property Value
+IN : U2/+IN	Name	+IN
	Number	5
	Swap Id	-1
	Type	Input
	Net Name	N5513439
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
-IN : U2/-IN	Name	-IN
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N5513471
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U2/OUT	Name	OUT
	Number	7
	Swap Id	-1
	Type	Output
	Net Name	N5512847
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
VCC : U2/VCC	Name	VCC
	Number	8
	Swap Id	-1
	Type	Power
	Net Name	VFE2iso+
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
GND : U2/GND	Name	GND
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VFE2iso-
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS5652383 : R15	Name	INS5652383
	ID	2516
	Reference	R15
	Designator	
	Part Reference	R15
	Value	100k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R15/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513179
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R15/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5512851
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5512805 : C3	Name	INS5512805
	ID	2140
	Reference	C3
	Designator	
	Part Reference	C3
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	CAPC2013X130N_0805
	GROUP	1

Object	Property Name	Property Value
1 : C3/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C3/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5633200 : J1	Name	INS5633200
	ID	2494
	Reference	J1
	Designator	
	Part Reference	J1
	Value	GND
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_18AWG
	COMPGROUP	1
	GROUP	1

Object	Property Name	Property Value
1 : J1/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5610072 : J3	Name	INS5610072
	ID	2470
	Reference	J3
	Designator	
	Part Reference	J3
	Value	Ref Probe
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_18AWG
	COMPGROUP	1
	GROUP	1

Object	Property Name	Property Value
1 : J3/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513837
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5513313 : R1	Name	INS5513313
	ID	2173
	Reference	R1
	Designator	
	Part Reference	R1
	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R1/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513331
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R1/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5512875
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513813 : U1	Name	INS5513813
	ID	2226
	Reference	U1
	Designator	A
	Part Reference	U1A
	Value	AD648/SO
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	SOIC127P600X175-8N_SOIC8
	COMPGROUP	1
	GROUP	1

Object	Property Name	Property Value
+IN : U1/+IN	Name	+IN
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N5513837
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
-IN : U1/-IN	Name	-IN
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	N5512875
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U1/OUT	Name	OUT
	Number	1
	Swap Id	-1
	Type	Output
	Net Name	N5513331
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
VCC : U1/VCC	Name	VCC
	Number	8
	Swap Id	-1
	Type	Power
	Net Name	VFE2iso+
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
GND : U1/GND	Name	GND
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VFE2iso-
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS5634616 : R10	Name	INS5634616
	ID	2498
	Reference	R10
	Designator	
	Part Reference	R10
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N 1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R10/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R10/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5512913 : R4	Name	INS5512913
	ID	2152
	Reference	R4
	Designator	
	Part Reference	R4
	Value	5.6K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N 1206
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R4/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5512995
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R4/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5513331
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513621 : R12	Name	INS5513621
	ID	2202
	Reference	R12
	Designator	
	Part Reference	R12
	Value	No Stuff
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N 1206
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R12/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513059
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R12/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5512991
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513421 : R19	Name	INS5513421
	ID	2185
	Reference	R19
	Designator	
	Part Reference	R19
	Value	100k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N 1206
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R19/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513043
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R19/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5610086 : J4	Name	INS5610086
	ID	2472
	Reference	J4
	Designator	
	Part Reference	J4
	Value	pH Probe
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_18AWG
	COMPGROUP	1
	GROUP	1

Object	Property Name	Property Value
1 : J4/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513203
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5644626 : C4	Name	INS5644626
	ID	2510
	Reference	C4
	Designator	
	Part Reference	C4
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	270
	COMPLOC	[1785.933,1197.400]
	COMPSTIDE	BOT
	FPLIST	
	GROUP	1
	PCB Footprint	CAPMP7343X430N
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C4/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C4/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513333 : R6	Name	INS5513333
	ID	2176
	Reference	R6
	Designator	
	Part Reference	R6
	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R6/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5512995
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R6/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5513471
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5512929 : R13	Name	INS5512929
	ID	2155
	Reference	R13
	Designator	
	Part Reference	R13
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R13/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5512991
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R13/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5653227 : TP14	Name	INS5653227
	ID	2519
	Reference	TP14
	Designator	
	Part Reference	TP14
	Value	TEST POINT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[705.000,584.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	TP_5005-5009_5120-5124
	GROUP	1

Object	Property Name	Property Value
1 : TP14/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513043
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5610100 : J2	Name	INS5610100
	ID	2474
	Reference	J2
	Designator	
	Part Reference	J2
	Value	Guard
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_18AWG
	COMPGROUP	1
	GROUP	1

Object	Property Name	Property Value
1 : J2/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513331
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5513637 : U2	Name	INS5513637
	ID	2205
	Reference	U2
	Designator	A
	Part Reference	U2A
	Value	AD648/SO
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	COMPGROUP	1
	GROUP	1
	PCB Footprint	SOIC127P600X175-8N_SOIC8

Object	Property Name	Property Value
+IN : U2/+IN	Name	+IN
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N5513043
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
-IN : U2/-IN	Name	-IN
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	N5512851
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U2/OUT	Name	OUT
	Number	1
	Swap Id	-1
	Type	Output
	Net Name	N5513179
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
VCC : U2/VCC	Name	VCC
	Number	8
	Swap Id	-1
	Type	Power
	Net Name	VFE2iso+
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
GND : U2/GND	Name	GND
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VFE2iso-
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS5513843 : U1	Name	INS5513843
	ID	2232
	Reference	U1
	Designator	B
	Part Reference	U1B
	Value	AD648/SO
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	COMPGROUP	1
	GROUP	1
	PCB Footprint	SOIC127P600X175-8N SOIC8

Object	Property Name	Property Value
+IN : U1/+IN	Name	+IN
	Number	5
	Swap Id	-1
	Type	Input
	Net Name	N5513203
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
-IN : U1/-IN	Name	-IN
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N5513015
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U1/OUT	Name	OUT
	Number	7
	Swap Id	-1
	Type	Output
	Net Name	N5512911
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
VCC : U1/VCC	Name	VCC
	Number	8
	Swap Id	-1
	Type	Power
	Net Name	VFE2iso+
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
GND : U1/GND	Name	GND
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VFE2iso-
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS5623431 : C12	Name	INS5623431
	ID	2481
	Reference	C12
	Designator	
	Part Reference	C12
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	270
	COMPLOC	[1785.933,1197.400]
	COMPSIDE	BOT
	FPLIST	
	GROUP	1
	PCB Footprint	CAPMP7343X430N
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C12/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C12/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5512945 : C7	Name	INS5512945
	ID	2158
	Reference	C7
	Designator	
	Part Reference	C7
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	CAPC2013X130N_0805
	GROUP	1

Object	Property Name	Property Value
1 : C7/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C7/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso+
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513149 : C10	Name	INS5513149
	ID	2170
	Reference	C10
	Designator	
	Part Reference	C10
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206
	PCB Footprint	CAPC2013X130N_0805
	GROUP	1

Object	Property Name	Property Value
1 : C10/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C10/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513453 : C1	Name	INS5513453
	ID	2188
	Reference	C1
	Designator	
	Part Reference	C1
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206
	PCB Footprint	CAPC2013X130N_0805
	GROUP	1

Object	Property Name	Property Value
1 : C1/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C1/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513757 : R5	Name	INS5513757
	ID	2217
	Reference	R5
	Designator	
	Part Reference	R5
	Value	56K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R5/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5512847
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R5/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5512995
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6083399 : W3	Name	INS6083399
	ID	2593
	Reference	W3
	Designator	
	Part Reference	W3
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[605.000,584.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	MISC_22AWG

Object	Property Name	Property Value
1 : W3/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_0-1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5610114 : J6	Name	INS5610114
	ID	2476
	Reference	J6
	Designator	
	Part Reference	J6
	Value	Guard
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_18AWG
	COMPGROUP	1
	GROUP	1

Object	Property Name	Property Value
1 : J6/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5512911
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5513557 : R3	Name	INS5513557
	ID	2196
	Reference	R3
	Designator	
	Part Reference	R3
	Value	No Stuff
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R3/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5512847
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R3/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5512995
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5512853 : C2	Name	INS5512853
	ID	2143
	Reference	C2
	Designator	
	Part Reference	C2
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	1
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206
	PCB Footprint	CAPC2013X130N_0805
	GROUP	1

Object	Property Name	Property Value
1 : C2/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C2/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso+
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5633350 : J7	Name	INS5633350
	ID	2496
	Reference	J7
	Designator	
	Part Reference	J7
	Value	GND
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_18AWG
	COMPGROUP	1
	GROUP	1

Object	Property Name	Property Value
1 : J7/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5634771 : R2	Name	INS5634771
	ID	2501
	Reference	R2
	Designator	
	Part Reference	R2
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R2/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R2/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513777 : R16	Name	INS5513777
	ID	2220
	Reference	R16
	Designator	
	Part Reference	R16
	Value	100k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R16/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513179
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R16/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5512851
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5512969 : R9	Name	INS5512969
	ID	2161
	Reference	R9
	Designator	
	Part Reference	R9
	Value	5.6K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	RESC3216X70N 1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805
	GROUP	1

Object	Property Name	Property Value
1 : R9/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513059
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R9/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5512911
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5513477 : TP13	Name	INS5513477
	ID	2191
	Reference	TP13
	Designator	
	Part Reference	TP13
	Value	TEST POINT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[705.000,584.000]
	COMPROT	0
	COMPGROUP	1
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	TP_5005-5009_5120-5124
	GROUP	1

Object	Property Name	Property Value
1 : TP13/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5513179
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5586081 : J5	Name	INS5586081
	ID	2399
	Reference	J5
	Designator	
	Part Reference	J5
	Value	CON10
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	HDR1X10
	COMPGROUP	1
	GROUP	1

Object	Property Name	Property Value
1 : J5/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : J5/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso+
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3 : J5/3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4 : J5/4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N5512847
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5 : J5/5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
6 : J5/6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N5513363
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
7 : J5/7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
8 : J5/8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	VFE2iso-
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
9 : J5/9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	iso2
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
10 : J5/10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_0-1
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
GND	Name	I6093802
	Bounding Box Left	1190
	Bounding Box Right	1207
	Bounding Box Top	480
	Bounding Box Bottom	492
	Text	GND
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	480
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I6093816
	Bounding Box Left	1190
	Bounding Box Right	1207
	Bounding Box Top	400
	Bounding Box Bottom	412
	Text	GND
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	400
	Font	Courier New

Object	Property Name	Property Value
+V	Name	I6093854
	Bounding Box Left	1190
	Bounding Box Right	1202
	Bounding Box Top	410
	Bounding Box Bottom	422
	Text	+V
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	410
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I6093860
	Bounding Box Left	1190
	Bounding Box Right	1207
	Bounding Box Top	420
	Bounding Box Bottom	432
	Text	GND
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	420
	Font	Courier New

Object	Property Name	Property Value
Vph	Name	I6093866
	Bounding Box Left	1190
	Bounding Box Right	1207
	Bounding Box Top	430
	Bounding Box Bottom	442
	Text	Vph
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	430
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I6093872
	Bounding Box Left	1190
	Bounding Box Right	1207
	Bounding Box Top	440
	Bounding Box Bottom	452
	Text	GND
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	440
	Font	Courier New

Object	Property Name	Property Value
Vref	Name	I6093878
	Bounding Box Left	1190
	Bounding Box Right	1212
	Bounding Box Top	450
	Bounding Box Bottom	462
	Text	Vref
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	450
	Font	Courier New

Object	Property Name	Property Value
-V	Name	I6093884
	Bounding Box Left	1190
	Bounding Box Right	1202
	Bounding Box Top	470
	Bounding Box Bottom	482
	Text	-V
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	470
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I6093890
	Bounding Box Left	1190
	Bounding Box Right	1207
	Bounding Box Top	460
	Bounding Box Bottom	472
	Text	GND
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	460
	Font	Courier New

Object	Property Name	Property Value
CASE	Name	I6093896
	Bounding Box Left	1190
	Bounding Box Right	1212
	Bounding Box Top	490
	Bounding Box Bottom	502
	Text	CASE
	Text Location X-Coordinate	1190
	Text Location Y-Coordinate	490
	Font	Courier New

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093096)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093100)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093120)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093124)	Name	ISO3

Object	Property Name	Property Value
N6093128 : N6093128 (Wire ID = 6093128)	Name	N6093128

Object	Property Name	Property Value
N6093132 : N6093132 (Wire ID = 6093132)	Name	N6093132

Object	Property Name	Property Value
N6093132 : N6093132 (Wire ID = 6093136)	Name	N6093132

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093140)	Name	ISO3

Object	Property Name	Property Value
N6093144 : N6093144 (Wire ID = 6093144)	Name	N6093144

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093148)	Name	VFE3ISO-

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093152)	Name	ISO3

Object	Property Name	Property Value
N6093172 : N6093172 (Wire ID = 6093172)	Name	N6093172

Object	Property Name	Property Value
N6093176 : N6093176 (Wire ID = 6093176)	Name	N6093176

Object	Property Name	Property Value
N6093180 : N6093180 (Wire ID = 6093180)	Name	N6093180

Object	Property Name	Property Value
N6093184 : N6093184 (Wire ID = 6093184)	Name	N6093184

Object	Property Name	Property Value
N6093188 : N6093188 (Wire ID = 6093188)	Name	N6093188

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093206)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093224)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093228)	Name	ISO3

Object	Property Name	Property Value
GND_EARTH_3-1 : GND_EARTH_3-1 (Wire ID = 6093304)	Name	GND_EARTH_3-1

Object	Property Name	Property Value
N6093308 : N6093308 (Wire ID = 6093308)	Name	N6093308

Object	Property Name	Property Value
N6093308 : N6093308 (Wire ID = 6093312)	Name	N6093308

Object	Property Name	Property Value
N6093332 : N6093332 (Wire ID = 6093332)	Name	N6093332

Object	Property Name	Property Value
N6093336 : N6093336 (Wire ID = 6093336)	Name	N6093336

Object	Property Name	Property Value
N6093336 : N6093336 (Wire ID = 6093340)	Name	N6093336

Object	Property Name	Property Value
N6093336 : N6093336 (Wire ID = 6093360)	Name	N6093336

Object	Property Name	Property Value
N6093364 : N6093364 (Wire ID = 6093364)	Name	N6093364

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093368)	Name	VFE3ISO-

Object	Property Name	Property Value
N6093364 : N6093364 (Wire ID = 6093392)	Name	N6093364

Object	Property Name	Property Value
N6093364 : N6093364 (Wire ID = 6093396)	Name	N6093364

Object	Property Name	Property Value
VFE3iso+ : VFE3ISO+ (Wire ID = 6093400)	Name	VFE3ISO+

Object	Property Name	Property Value
N6093336 : N6093336 (Wire ID = 6093404)	Name	N6093336

Object	Property Name	Property Value
N6093364 : N6093364 (Wire ID = 6093424)	Name	N6093364

Object	Property Name	Property Value
N6093428 : N6093428 (Wire ID = 6093428)	Name	N6093428

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093432)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093436)	Name	ISO3

Object	Property Name	Property Value
N6093172 : N6093172 (Wire ID = 6093440)	Name	N6093172

Object	Property Name	Property Value
VFE3iso+ : VFE3ISO+ (Wire ID = 6093444)	Name	VFE3ISO+

Object	Property Name	Property Value
VFE3iso+ : VFE3ISO+ (Wire ID = 6093520)	Name	VFE3ISO+

Object	Property Name	Property Value
N6093308 : N6093308 (Wire ID = 6093524)	Name	N6093308

Object	Property Name	Property Value
N6093428 : N6093428 (Wire ID = 6093596)	Name	N6093428

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093624)	Name	ISO3

Object	Property Name	Property Value
N6093628 : N6093628 (Wire ID = 6093628)	Name	N6093628

Object	Property Name	Property Value
VFE3iso+ : VFE3ISO+ (Wire ID = 6093632)	Name	VFE3ISO+

Object	Property Name	Property Value
N6093628 : N6093628 (Wire ID = 6093636)	Name	N6093628

Object	Property Name	Property Value
N6093628 : N6093628 (Wire ID = 6093640)	Name	N6093628

Object	Property Name	Property Value
N6093144 : N6093144 (Wire ID = 6093644)	Name	N6093144

Object	Property Name	Property Value
N6093144 : N6093144 (Wire ID = 6093656)	Name	N6093144

Object	Property Name	Property Value
N6093144 : N6093144 (Wire ID = 6093660)	Name	N6093144

Object	Property Name	Property Value
GND_EARTH_3 : GND_EARTH_3 (Wire ID = 6093664)	Name	GND_EARTH_3

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093708)	Name	VFE3ISO-

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093712)	Name	VFE3ISO-

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093716)	Name	ISO3

Object	Property Name	Property Value
VFE3iso+ : VFE3ISO+ (Wire ID = 6093720)	Name	VFE3ISO+

Object	Property Name	Property Value
VFE3iso+ : VFE3ISO+ (Wire ID = 6093724)	Name	VFE3ISO+

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093728)	Name	VFE3ISO-

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093732)	Name	VFE3ISO-

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093736)	Name	VFE3ISO-

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093740)	Name	VFE3ISO-

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093744)	Name	VFE3ISO-

Object	Property Name	Property Value
N6093172 : N6093172 (Wire ID = 6093748)	Name	N6093172

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093752)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093772)	Name	ISO3

Object	Property Name	Property Value
GND_EARTH_3-1 : GND_EARTH_3-1 (Wire ID = 6093780)	Name	GND_EARTH_3-1

Object	Property Name	Property Value
N6093132 : N6093132 (Wire ID = 6093784)	Name	N6093132

Object	Property Name	Property Value
N6093128 : N6093128 (Wire ID = 6093788)	Name	N6093128

Object	Property Name	Property Value
N6093128 : N6093128 (Wire ID = 6093792)	Name	N6093128

Object	Property Name	Property Value
VFE3ISO- : VFE3ISO- (Wire ID = 6093796)	Name	VFE3ISO-

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093900)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093904)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093908)	Name	ISO3

Object	Property Name	Property Value
N6093912 : N6093912 (Wire ID = 6093912)	Name	N6093912

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093916)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093920)	Name	ISO3

Object	Property Name	Property Value
N6093332 : N6093332 (Wire ID = 6093924)	Name	N6093332

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093928)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093932)	Name	ISO3

Object	Property Name	Property Value
N6093332 : N6093332 (Wire ID = 6093936)	Name	N6093332

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093940)	Name	ISO3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6093944)	Name	ISO3

Object	Property Name	Property Value
VFE3iso+ : VFE3ISO+ (Wire ID = 6093948)	Name	VFE3ISO+

Object	Property Name	Property Value
VFE3iso+ : VFE3ISO+ (Wire ID = 6093952)	Name	VFE3ISO+

Object	Property Name	Property Value
VFE3iso+ : VFE3ISO+ (Wire ID = 6093956)	Name	VFE3ISO+

Object	Property Name	Property Value
N6093912 : N6093912 (Wire ID = 6093960)	Name	N6093912

Object	Property Name	Property Value
N6093912 : N6093912 (Wire ID = 6093964)	Name	N6093912

Object	Property Name	Property Value
N6093912 : N6093912 (Wire ID = 6093968)	Name	N6093912

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093972)	Name	VFE3ISO-

Object	Property Name	Property Value
VFE3iso- : VFE3ISO- (Wire ID = 6093976)	Name	VFE3ISO-

Object	Property Name	Property Value
N6093628 : N6093628 (Wire ID = 6093996)	Name	N6093628

Object	Property Name	Property Value
N6093628 : N6093628 (Wire ID = 6094000)	Name	N6093628

Object	Property Name	Property Value
N6093628 : N6093628 (Wire ID = 6094004)	Name	N6093628

Object	Property Name	Property Value
N6093144 : N6093144 (Wire ID = 6094008)	Name	N6093144

Object	Property Name	Property Value
N6093144 : N6093144 (Wire ID = 6094012)	Name	N6093144

Object	Property Name	Property Value
GND_EARTH_3 : GND_EARTH_3 (Wire ID = 6094084)	Name	GND_EARTH_3

Object	Property Name	Property Value
N6094088 : N6094088 (Wire ID = 6094088)	Name	N6094088

Object	Property Name	Property Value
N6094096 : N6094096 (Wire ID = 6094096)	Name	N6094096

Object	Property Name	Property Value
N6093308 : N6093308 (Wire ID = 6094116)	Name	N6093308

Object	Property Name	Property Value
N6094120 : N6094120 (Wire ID = 6094120)	Name	N6094120

Object	Property Name	Property Value
GND_EARTH_3 : GND_EARTH_3 (Wire ID = 6094124)	Name	GND_EARTH_3

Object	Property Name	Property Value
N6093308 : N6093308 (Wire ID = 6094128)	Name	N6093308

Object	Property Name	Property Value
N6094148 : N6094148 (Wire ID = 6094148)	Name	N6094148

Object	Property Name	Property Value
N6093308 : N6093308 (Wire ID = 6094152)	Name	N6093308

Object	Property Name	Property Value
GND_EARTH_3 : GND_EARTH_3 (Wire ID = 6094156)	Name	GND_EARTH_3

Object	Property Name	Property Value
iso3 : ISO3 (Wire ID = 6094160)	Name	ISO3

Object	Property Name	Property Value
GND_EARTH_3 : GND_EARTH_3 (Wire ID = 6094164)	Name	GND_EARTH_3

Object	Property Name	Property Value
GND_EARTH_3-1	Name	GND_EARTH_3-1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
iso3	Name	iso3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso3	Name	iso3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso3	Name	iso3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso3	Name	iso3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE3iso+	Name	VFE3iso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
iso3	Name	iso3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE3iso-	Name	VFE3iso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND_EARTH_3-1	Name	GND_EARTH_3-1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
iso3	Name	iso3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
GND_EARTH_3	Name	GND_EARTH_3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_3	Name	GND_EARTH_3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
iso3	Name	iso3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso3	Name	iso3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
MBARI_TITLEBLOCK : MBARI_TITLEBLOCK	Path Name	MBARI_TITLEBLOCK
	Schematic Path	/
	ID	2604
	RevCode	
	Cage Code	
	OrgName	
	OrgAddr1	
	OrgAddr2	
	OrgAddr3	
	OrgAddr4	
	Doc	10020229
	Name	MBARI_TITLEBLOCK
	Design Name	PH_METER
	Design File Name	C:\USERS\JROSALI\APPDATA\ROAMING\SPB_DATA\CDSETUP\WORKS
	Design Create Date	Thursday, August 21, 2008
	Design Modify Date	Tuesday, April 08, 2025
	Design Create Time	10:49:25
	Design Modify Time	09:35:36
	Schematic Name	SCHEMATIC1
	Schematic Create Date	Thursday, August 21, 2008
	Schematic Modify Date	Tuesday, April 08, 2025
	Schematic Create Time	10:49:26
	Schematic Modify Time	09:35:38
	Schematic Page Count	0
	Schematic Page Number	0
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Object	Property Name	Property Value
INS6094130 : R115	Name	INS6094130
	ID	2712
	Reference	R115
	Designator	
	Part Reference	R115
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	RESC3216X70N 1206
	COMPSIDE	TOP
	COMPLOC	
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R115/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R115/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6094030 : R111	Name	INS6094030
	ID	2700
	Reference	R111
	Designator	
	Part Reference	R111
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R111/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6094120
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R111/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6094096
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093526 : C81	Name	INS6093526
	ID	2665
	Reference	C81
	Designator	
	Part Reference	C81
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	270
	COMPLOC	
	COMPSIDE	BOT
	FPLIST	
	PCB Footprint	CAPMP7343X430N
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C81/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C81/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE3iso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093818 : J24	Name	INS6093818
	ID	2683
	Reference	J24
	Designator	
	Part Reference	J24
	Value	CON10
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PACKAGE	1X10 0.1
	PCB Footprint	HDR1X10

Object	Property Name	Property Value
1 : J24/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : J24/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE3iso+
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3 : J24/3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4 : J24/4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N6093332
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5 : J24/5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
6 : J24/6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N6093912
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
7 : J24/7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
8 : J24/8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	VFE3iso-
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
9 : J24/9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
10 : J24/10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_3-1
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
INS6093230 : J20	Name	INS6093230
	ID	2621
	Reference	J20
	Designator	
	Part Reference	J20
	Value	Ref Probe
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J20/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093172
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS6094046 : R112	Name	INS6094046
	ID	2703
	Reference	R112
	Designator	
	Part Reference	R112
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R112/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6094148
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R112/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6094120
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093342 : R103	Name	INS6093342
	ID	2634
	Reference	R103
	Designator	
	Part Reference	R103
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R103/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093364
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R103/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093128
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093446 : W8	Name	INS6093446
	ID	2643
	Reference	W8
	Designator	
	Part Reference	W8
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	SQ POST
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	
	COMPSIDE	TOP
	FPLIST	
	GROUP	3
	PCB Footprint	MISC_22AWG

Object	Property Name	Property Value
1 : W8/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS6093244 : J21	Name	INS6093244
	ID	2623
	Reference	J21
	Designator	
	Part Reference	J21
	Value	pH Probe
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J21/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093308
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS6093754 : R108	Name	INS6093754
	ID	2680
	Reference	R108
	Designator	
	Part Reference	R108
	Value	No Stuff 0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R108/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093428
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R108/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093912
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6094062 : R113	Name	INS6094062
	ID	2706
	Reference	R113
	Designator	
	Part Reference	R113
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R113/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R113/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6094148
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093154 : R101	Name	INS6093154
	ID	2614
	Reference	R101
	Designator	
	Part Reference	R101
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R101/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093176
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R101/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093458 : R105	Name	INS6093458
	ID	2645
	Reference	R105
	Designator	
	Part Reference	R105
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R105/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6094088
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R105/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093308
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093258 : J22	Name	INS6093258
	ID	2625
	Reference	J22
	Designator	
	Part Reference	J22
	Value	Guard
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J22/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093132
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS6093562 : R106	Name	INS6093562
	ID	2668
	Reference	R106
	Designator	
	Part Reference	R106
	Value	5.62K 1%
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R106/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093144
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R106/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093628
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093666 : C83	Name	INS6093666
	ID	2677
	Reference	C83
	Designator	
	Part Reference	C83
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPC2013X130N_0805
	GROUP	2
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	
	COMPROT	90
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C83/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VFE3iso-
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C83/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093062 : R98	Name	INS6093062
	ID	2605
	Reference	R98
	Designator	
	Part Reference	R98
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R98/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093188
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R98/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093184
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093272 : W7	Name	INS6093272
	ID	2627
	Reference	W7
	Designator	
	Part Reference	W7
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	MISC_22AWG

Object	Property Name	Property Value
1 : W7/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_3-1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS6093978 : R109	Name	INS6093978
	ID	2694
	Reference	R109
	Designator	
	Part Reference	R109
	Value	5.62K 1%
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R109/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093144
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R109/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093628
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093370 : C80	Name	INS6093370
	ID	2637
	Reference	C80
	Designator	
	Part Reference	C80
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	270
	COMPLOC	
	COMPSIDE	BOT
	FPLIST	
	PCB Footprint	CAPMP7343X430N
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C80/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VFE3iso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C80/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093578 : C82	Name	INS6093578
	ID	2671
	Reference	C82
	Designator	
	Part Reference	C82
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	
	COMPROT	90
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	CAPC2013X130N_0805

Object	Property Name	Property Value
1 : C82/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VFE3iso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C82/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093078 : R99	Name	INS6093078
	ID	2608
	Reference	R99
	Designator	
	Part Reference	R99
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMP LOC	
	COMP ROT	0
	COMP GROUP	2
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R99/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093184
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R99/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093180
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093284 : J23	Name	INS6093284
	ID	2629
	Reference	J23
	Designator	
	Part Reference	J23
	Value	Guard
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J23/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093128
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS6093190 : J18	Name	INS6093190
	ID	2617
	Reference	J18
	Designator	
	Part Reference	J18
	Value	GND
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J18/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS6094098 : R114	Name	INS6094098
	ID	2709
	Reference	R114
	Designator	
	Part Reference	R114
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	RESC3216X70N 1206
	COMPSIDE	TOP
	COMPLOC	
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R114/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R114/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093474 : U21	Name	INS6093474
	ID	2648
	Reference	U21
	Designator	
	Part Reference	U21
	Value	INA116
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	SOIC127P1033X265-16N
	GROUP	2
	COMPGROUP	2

Object	Property Name	Property Value
Guard2- : U21/Guard2-	Name	Guard2-
	Number	2
	Swap Id	-1
	Type	Output
	Net Name	N6093336
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
NC4 : U21/NC4	Name	NC4
	Number	15
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
Rg- : U21/Rg-	Name	Rg-
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	N6093144
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
Vin- : U21/Vin-	Name	Vin-
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N6093172
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
NC3 : U21/NC3	Name	NC3
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
Rg+ : U21/Rg+	Name	Rg+
	Number	16
	Swap Id	-1
	Type	Input
	Net Name	N6093628
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
V+ : U21/V+	Name	V+
	Number	13
	Swap Id	-1
	Type	Input
	Net Name	VFE3iso+
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
Guard4- : U21/Guard4-	Name	Guard4-
	Number	4
	Swap Id	-1
	Type	Output
	Net Name	N6093336
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
Guard5+ : U21/Guard5+	Name	Guard5+
	Number	5
	Swap Id	-1
	Type	Output
	Net Name	N6093364
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
Vin+ : U21/Vin+	Name	Vin+
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N6093308
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
Guard7+ : U21/Guard7+	Name	Guard7+
	Number	7
	Swap Id	-1
	Type	Output
	Net Name	N6093364
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
V- : U21/V-	Name	V-
	Number	8
	Swap Id	-1
	Type	Input
	Net Name	VFE3iso-
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
NC2 : U21/NC2	Name	NC2
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
Vout : U21/Vout	Name	Vout
	Number	11
	Swap Id	-1
	Type	Output
	Net Name	N6093332
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
NC1 : U21/NC1	Name	NC1
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
Ref : U21/Ref	Name	Ref
	Number	9
	Swap Id	-1
	Type	Input
	Net Name	N6093428
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
INS6093606 : R107	Name	INS6093606
	ID	2674
	Reference	R107
	Designator	
	Part Reference	R107
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R107/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093428
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R107/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093102 : R100	Name	INS6093102
	ID	2611
	Reference	R100
	Designator	
	Part Reference	R100
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMP LOC	
	COMP ROT	0
	COMP GROUP	2
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R100/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093180
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R100/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093176
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093406 : R104	Name	INS6093406
	ID	2640
	Reference	R104
	Designator	
	Part Reference	R104
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMP LOC	
	COMP ROT	0
	COMP GROUP	2
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R104/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093172
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R104/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093188
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6094014 : R110	Name	INS6094014
	ID	2697
	Reference	R110
	Designator	
	Part Reference	R110
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R110/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6094096
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R110/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6094088
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6093208 : J19	Name	INS6093208
	ID	2619
	Reference	J19
	Designator	
	Part Reference	J19
	Value	GND
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J19/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS6093314 : R102	Name	INS6093314
	ID	2631
	Reference	R102
	Designator	
	Part Reference	R102
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP_SIDE	TOP
	COMPLOC	
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R102/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6093336
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R102/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6093132
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
Rectangle	Name	I00017
	Left	180
	Top	330
	Right	270
	Bottom	410
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00021
	Left	350
	Top	330
	Right	420
	Bottom	410
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00025
	Left	600
	Top	330
	Right	690
	Bottom	410
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00029
	Left	480
	Top	330
	Right	550
	Bottom	410
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00035
	Left	720
	Top	330
	Right	790
	Bottom	410
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00039
	Left	450
	Top	140
	Right	570
	Bottom	200
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Line	Name	I00043
	Start X-Coordinate	790
	Start Y-Coordinate	350
	End X-Coordinate	890
	End Y-Coordinate	350

Object	Property Name	Property Value
Line	Name	I00045
	Start X-Coordinate	790
	Start Y-Coordinate	370
	End X-Coordinate	890
	End Y-Coordinate	370

Object	Property Name	Property Value
Line	Name	I00053
	Start X-Coordinate	790
	Start Y-Coordinate	390
	End X-Coordinate	890
	End Y-Coordinate	390

Object	Property Name	Property Value
Line	Name	I00075
	Start X-Coordinate	790
	Start Y-Coordinate	150
	End X-Coordinate	890
	End Y-Coordinate	150

Object	Property Name	Property Value
Line	Name	I00083
	Start X-Coordinate	790
	Start Y-Coordinate	180
	End X-Coordinate	890
	End Y-Coordinate	180

Object	Property Name	Property Value
Line	Name	I00105
	Start X-Coordinate	450
	Start Y-Coordinate	150
	End X-Coordinate	370
	End Y-Coordinate	150

Object	Property Name	Property Value
Line	Name	I00113
	Start X-Coordinate	450
	Start Y-Coordinate	170
	End X-Coordinate	370
	End Y-Coordinate	170

Object	Property Name	Property Value
Line	Name	I00121
	Start X-Coordinate	450
	Start Y-Coordinate	190
	End X-Coordinate	370
	End Y-Coordinate	190

Object	Property Name	Property Value
Rectangle	Name	I00147
	Left	620
	Top	200
	Right	720
	Bottom	240
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00159
	Left	330
	Top	240
	Right	430
	Bottom	280
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00175
	Left	180
	Top	240
	Right	280
	Bottom	280
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00183
	Left	190
	Top	130
	Right	270
	Bottom	210
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Line	Name	I00189
	Start X-Coordinate	540
	Start Y-Coordinate	270
	End X-Coordinate	540
	End Y-Coordinate	200

Object	Property Name	Property Value
Line	Name	I00191
	Start X-Coordinate	540
	Start Y-Coordinate	270
	End X-Coordinate	620
	End Y-Coordinate	270

Object	Property Name	Property Value
Line	Name	I00193
	Start X-Coordinate	620
	Start Y-Coordinate	270
	End X-Coordinate	620
	End Y-Coordinate	330

Object	Property Name	Property Value
Rectangle	Name	I00219
	Left	180
	Top	450
	Right	270
	Bottom	530
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00249
	Left	180
	Top	540
	Right	270
	Bottom	620
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I00257
	Left	330
	Top	570
	Right	410
	Bottom	630
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Line	Name	I00287
	Start X-Coordinate	420
	Start Y-Coordinate	360
	End X-Coordinate	480
	End Y-Coordinate	360

Object	Property Name	Property Value
Line	Name	I00295
	Start X-Coordinate	420
	Start Y-Coordinate	370
	End X-Coordinate	480
	End Y-Coordinate	370

Object	Property Name	Property Value
Line	Name	I00303
	Start X-Coordinate	420
	Start Y-Coordinate	380
	End X-Coordinate	480
	End Y-Coordinate	380

Object	Property Name	Property Value
Line	Name	I00311
	Start X-Coordinate	550
	Start Y-Coordinate	360
	End X-Coordinate	600
	End Y-Coordinate	360

Object	Property Name	Property Value
Line	Name	I00319
	Start X-Coordinate	550
	Start Y-Coordinate	370
	End X-Coordinate	600
	End Y-Coordinate	370

Object	Property Name	Property Value
Line	Name	I00327
	Start X-Coordinate	550
	Start Y-Coordinate	380
	End X-Coordinate	600
	End Y-Coordinate	380

Object	Property Name	Property Value
Rectangle	Name	I00329
	Left	300
	Top	330
	Right	340
	Bottom	410
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I3850865
	Left	400
	Top	420
	Right	430
	Bottom	450
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I3850881
	Left	350
	Top	420
	Right	380
	Bottom	450
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I3850976
	Left	300
	Top	420
	Right	330
	Bottom	450
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I4237217
	Left	710
	Top	250
	Right	790
	Bottom	310
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Line	Name	I4237229
	Start X-Coordinate	790
	Start Y-Coordinate	270
	End X-Coordinate	900
	End Y-Coordinate	270

Object	Property Name	Property Value
Line	Name	I4237241
	Start X-Coordinate	660
	Start Y-Coordinate	300
	End X-Coordinate	660
	End Y-Coordinate	330

Object	Property Name	Property Value
Line	Name	I4237243
	Start X-Coordinate	660
	Start Y-Coordinate	300
	End X-Coordinate	710
	End Y-Coordinate	300

Object	Property Name	Property Value
Line	Name	I4237316
	Start X-Coordinate	510
	Start Y-Coordinate	70
	End X-Coordinate	510
	End Y-Coordinate	140

Object	Property Name	Property Value
Line	Name	I4237318
	Start X-Coordinate	510
	Start Y-Coordinate	200
	End X-Coordinate	510
	End Y-Coordinate	330

Object	Property Name	Property Value
Line	Name	I4237320
	Start X-Coordinate	510
	Start Y-Coordinate	410
	End X-Coordinate	510
	End Y-Coordinate	690

Object	Property Name	Property Value
Instrumentation Amp	Name	I00019
	Bounding Box Left	190
	Bounding Box Right	267
	Bounding Box Top	360
	Bounding Box Bottom	384
	Text	Instrumentation Amp
	Text Location X-Coordinate	190
	Text Location Y-Coordinate	360
	Font	Courier New

Object	Property Name	Property Value
24 bit A/D (ADS1251)	Name	I00023
	Bounding Box Left	360
	Bounding Box Right	412
	Bounding Box Top	360
	Bounding Box Bottom	384
	Text	24 bit A/D (ADS1251)
	Text Location X-Coordinate	360
	Text Location Y-Coordinate	360
	Font	Courier New

Object	Property Name	Property Value
MicroProcessor MSP430F2618	Name	I00027
	Bounding Box Left	610
	Bounding Box Right	682
	Bounding Box Top	360
	Bounding Box Bottom	384
	Text	MicroProcessor MSP430F2618
	Text Location X-Coordinate	610
	Text Location Y-Coordinate	360
	Font	Courier New

Object	Property Name	Property Value
Isolation	Name	I00033
	Bounding Box Left	490
	Bounding Box Right	537
	Bounding Box Top	360
	Bounding Box Bottom	372
	Text	Isolation
	Text Location X-Coordinate	490
	Text Location Y-Coordinate	360
	Font	Courier New

Object	Property Name	Property Value
Serial Comm (MAX3222 and MAX3483E)	Name	I00037
	Bounding Box Left	730
	Bounding Box Right	797
	Bounding Box Top	360
	Bounding Box Bottom	396
	Text	Serial Comm (MAX3222 and MAX3483E)
	Text Location X-Coordinate	730
	Text Location Y-Coordinate	360
	Font	Courier New

Object	Property Name	Property Value
Isolated Power Supply Pico or Beta-Dyne	Name	I00041
	Bounding Box Left	460
	Bounding Box Right	567
	Bounding Box Top	160
	Bounding Box Bottom	184
	Text	Isolated Power Supply Pico or Beta-Dyne
	Text Location X-Coordinate	460
	Text Location Y-Coordinate	160
	Font	Courier New

Object	Property Name	Property Value
RX	Name	I00055
	Bounding Box Left	820
	Bounding Box Right	832
	Bounding Box Top	360
	Bounding Box Bottom	372
	Text	RX
	Text Location X-Coordinate	820
	Text Location Y-Coordinate	360
	Font	Courier New

Object	Property Name	Property Value
TX	Name	I00057
	Bounding Box Left	820
	Bounding Box Right	832
	Bounding Box Top	380
	Bounding Box Bottom	392
	Text	TX
	Text Location X-Coordinate	820
	Text Location Y-Coordinate	380
	Font	Courier New

Object	Property Name	Property Value
DGND	Name	I00067
	Bounding Box Left	820
	Bounding Box Right	842
	Bounding Box Top	340
	Bounding Box Bottom	352
	Text	DGND
	Text Location X-Coordinate	820
	Text Location Y-Coordinate	340
	Font	Courier New

Object	Property Name	Property Value
PGND	Name	I00091
	Bounding Box Left	820
	Bounding Box Right	842
	Bounding Box Top	170
	Bounding Box Bottom	182
	Text	PGND
	Text Location X-Coordinate	820
	Text Location Y-Coordinate	170
	Font	Courier New

Object	Property Name	Property Value
PWR 12v	Name	I00099
	Bounding Box Left	820
	Bounding Box Right	857
	Bounding Box Top	140
	Bounding Box Bottom	152
	Text	PWR 12v
	Text Location X-Coordinate	820
	Text Location Y-Coordinate	140
	Font	Courier New

Object	Property Name	Property Value
AGND	Name	I00129
	Bounding Box Left	400
	Bounding Box Right	422
	Bounding Box Top	160
	Bounding Box Bottom	172
	Text	AGND
	Text Location X-Coordinate	400
	Text Location Y-Coordinate	160
	Font	Courier New

Object	Property Name	Property Value
AN -12v	Name	I00137
	Bounding Box Left	400
	Bounding Box Right	437
	Bounding Box Top	180
	Bounding Box Bottom	192
	Text	AN -12v
	Text Location X-Coordinate	400
	Text Location Y-Coordinate	180
	Font	Courier New

Object	Property Name	Property Value
AN +12v	Name	I00145
	Bounding Box Left	400
	Bounding Box Right	437
	Bounding Box Top	140
	Bounding Box Bottom	152
	Text	AN +12v
	Text Location X-Coordinate	400
	Text Location Y-Coordinate	140
	Font	Courier New

Object	Property Name	Property Value
Linear Regulator Interface Power (LM3480)	Name	I00149
	Bounding Box Left	630
	Bounding Box Right	712
	Bounding Box Top	200
	Bounding Box Bottom	236
	Text	Linear Regulator Interface Power (LM3480)
	Text Location X-Coordinate	630
	Text Location Y-Coordinate	200
	Font	Courier New

Object	Property Name	Property Value
Linear Regulator Digital Power	Name	I00165
	Bounding Box Left	340
	Bounding Box Right	422
	Bounding Box Top	250
	Bounding Box Bottom	274
	Text	Linear Regulator Digital Power
	Text Location X-Coordinate	340
	Text Location Y-Coordinate	250
	Font	Courier New

Object	Property Name	Property Value
Linear Regulator Analog Power	Name	I00181
	Bounding Box Left	190
	Bounding Box Right	272
	Bounding Box Top	250
	Bounding Box Bottom	274
	Text	Linear Regulator Analog Power
	Text Location X-Coordinate	190
	Text Location Y-Coordinate	250
	Font	Courier New

Object	Property Name	Property Value
Battery	Name	I00185
	Bounding Box Left	210
	Bounding Box Right	247
	Bounding Box Top	160
	Bounding Box Bottom	172
	Text	Battery
	Text Location X-Coordinate	210
	Text Location Y-Coordinate	160
	Font	Courier New

Object	Property Name	Property Value
On/Off	Name	I00187
	Bounding Box Left	530
	Bounding Box Right	562
	Bounding Box Top	190
	Bounding Box Bottom	202
	Text	On/Off
	Text Location X-Coordinate	530
	Text Location Y-Coordinate	190
	Font	Courier New

Object	Property Name	Property Value
Chopper Stabilized Amp	Name	I00225
	Bounding Box Left	190
	Bounding Box Right	262
	Bounding Box Top	480
	Bounding Box Bottom	504
	Text	Chopper Stabilized Amp
	Text Location X-Coordinate	190
	Text Location Y-Coordinate	480
	Font	Courier New

Object	Property Name	Property Value
Diff Amp	Name	I00255
	Bounding Box Left	190
	Bounding Box Right	232
	Bounding Box Top	570
	Bounding Box Bottom	582
	Text	Diff Amp
	Text Location X-Coordinate	190
	Text Location Y-Coordinate	570
	Font	Courier New

Object	Property Name	Property Value
Switch for GND	Name	I00265
	Bounding Box Left	340
	Bounding Box Right	412
	Bounding Box Top	590
	Bounding Box Bottom	602
	Text	Switch for GND
	Text Location X-Coordinate	340
	Text Location Y-Coordinate	590
	Font	Courier New

Object	Property Name	Property Value
Thom Maughan	Name	I00283
	Bounding Box Left	690
	Bounding Box Right	752
	Bounding Box Top	610
	Bounding Box Bottom	622
	Text	Thom Maughan
	Text Location X-Coordinate	690
	Text Location Y-Coordinate	610
	Font	Courier New

Object	Property Name	Property Value
Level Shift	Name	I00331
	Bounding Box Left	310
	Bounding Box Right	337
	Bounding Box Top	360
	Bounding Box Bottom	384
	Text	Level Shift
	Text Location X-Coordinate	310
	Text Location Y-Coordinate	360
	Font	Courier New

Object	Property Name	Property Value
Ref	Name	I3850871
	Bounding Box Left	410
	Bounding Box Right	427
	Bounding Box Top	430
	Bounding Box Bottom	442
	Text	Ref
	Text Location X-Coordinate	410
	Text Location Y-Coordinate	430
	Font	Courier New

Object	Property Name	Property Value
Clock	Name	I3850887
	Bounding Box Left	350
	Bounding Box Right	377
	Bounding Box Top	430
	Bounding Box Bottom	442
	Text	Clock
	Text Location X-Coordinate	350
	Text Location Y-Coordinate	430
	Font	Courier New

Object	Property Name	Property Value
Ref	Name	I3850982
	Bounding Box Left	310
	Bounding Box Right	327
	Bounding Box Top	430
	Bounding Box Bottom	442
	Text	Ref
	Text Location X-Coordinate	310
	Text Location Y-Coordinate	430
	Font	Courier New

Object	Property Name	Property Value
Analog Out	Name	I4237223
	Bounding Box Left	720
	Bounding Box Right	772
	Bounding Box Top	270
	Bounding Box Bottom	282
	Text	Analog Out
	Text Location X-Coordinate	720
	Text Location Y-Coordinate	270
	Font	Courier New

Object	Property Name	Property Value
Analog Out (14 bit)	Name	I4237235
	Bounding Box Left	820
	Bounding Box Right	917
	Bounding Box Top	260
	Bounding Box Bottom	272
	Text	Analog Out (14 bit)
	Text Location X-Coordinate	820
	Text Location Y-Coordinate	260
	Font	Courier New

Object	Property Name	Property Value
TitleBlock0 : TitleBlock0	Path Name	TitleBlock0
	Schematic Path	/
	ID	538
	RevCode	1.0
	Cage Code	
	OrgName	
	OrgAddr1	
	OrgAddr2	
	OrgAddr3	
	OrgAddr4	
	Title	High Resolution pH Meter
	Page Number	2
	Page Count	4
	Name	TitleBlock0
	Design Name	PH METER
	Design File Name	C:\USERS\JROSAL\APPDATA\ROAMING\SPB_DATA\ACDSSETUP\WORKSP
	Design Create Date	Thursday, August 21, 2008
	Design Modify Date	Tuesday, April 08, 2025
	Design Create Time	10:49:25
	Design Modify Time	09:35:36
	Schematic Name	SCHEMATIC1
	Schematic Create Date	Thursday, August 21, 2008
	Schematic Modify Date	Tuesday, April 08, 2025
	Schematic Create Time	10:49:26
	Schematic Modify Time	09:35:38
	Schematic Page Count	0
	Schematic Page Number	0
	Page Size	A
	Page Create Date	Thursday, August 21, 2008
	Page Modify Date	Tuesday, April 08, 2025
	Page Create Time	10:49:25
	Page Modify Time	09:35:36
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	TitleBlock0
	Page Name	Block Diagram pH Meter
	Doc	

Object	Property Name	Property Value
GND	Name	I5586477
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	430
	Bounding Box Bottom	442
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	430
	Font	Courier New

Object	Property Name	Property Value
+V	Name	I5586483
	Bounding Box Left	1290
	Bounding Box Right	1302
	Bounding Box Top	440
	Bounding Box Bottom	452
	Text	+V
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	440
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5586489
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	450
	Bounding Box Bottom	462
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	450
	Font	Courier New

Object	Property Name	Property Value
Vph	Name	I5586495
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	460
	Bounding Box Bottom	472
	Text	Vph
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	460
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5586501
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	470
	Bounding Box Bottom	482
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	470
	Font	Courier New

Object	Property Name	Property Value
Vref	Name	I5586507
	Bounding Box Left	1290
	Bounding Box Right	1312
	Bounding Box Top	480
	Bounding Box Bottom	492
	Text	Vref
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	480
	Font	Courier New

Object	Property Name	Property Value
-V	Name	I5586513
	Bounding Box Left	1290
	Bounding Box Right	1302
	Bounding Box Top	500
	Bounding Box Bottom	512
	Text	-V
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	500
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5586519
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	490
	Bounding Box Bottom	502
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	490
	Font	Courier New

Object	Property Name	Property Value
CASE	Name	I5586531
	Bounding Box Left	1290
	Bounding Box Right	1312
	Bounding Box Top	520
	Bounding Box Bottom	532
	Text	CASE
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	520
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5598968
	Bounding Box Left	1290
	Bounding Box Right	1307
	Bounding Box Top	510
	Bounding Box Bottom	522
	Text	GND
	Text Location X-Coordinate	1290
	Text Location Y-Coordinate	510
	Font	Courier New

Object	Property Name	Property Value
Thom Maughan	Name	I5659218
	Bounding Box Left	1180
	Bounding Box Right	1242
	Bounding Box Top	870
	Bounding Box Bottom	882
	Text	Thom Maughan
	Text Location X-Coordinate	1180
	Text Location Y-Coordinate	870
	Font	Courier New

Object	Property Name	Property Value
N5517388 : N5517388 (Wire ID = 5517388)	Name	N5517388

Object	Property Name	Property Value
N5517388 : N5517388 (Wire ID = 5517392)	Name	N5517388

Object	Property Name	Property Value
N5517412 : N5517412 (Wire ID = 5517412)	Name	N5517412

Object	Property Name	Property Value
N5517416 : N5517416 (Wire ID = 5517416)	Name	N5517416

Object	Property Name	Property Value
N5517416 : N5517416 (Wire ID = 5517436)	Name	N5517416

Object	Property Name	Property Value
N5517416 : N5517416 (Wire ID = 5517440)	Name	N5517416

Object	Property Name	Property Value
N5517464 : N5517464 (Wire ID = 5517464)	Name	N5517464

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5517468)	Name	VFE1ISO-

Object	Property Name	Property Value
N5517464 : N5517464 (Wire ID = 5517472)	Name	N5517464

Object	Property Name	Property Value
N5517464 : N5517464 (Wire ID = 5517476)	Name	N5517464

Object	Property Name	Property Value
VFE1iso+ : VFE1ISO+ (Wire ID = 5517480)	Name	VFE1ISO+

Object	Property Name	Property Value
N5517416 : N5517416 (Wire ID = 5517500)	Name	N5517416

Object	Property Name	Property Value
N5517464 : N5517464 (Wire ID = 5517504)	Name	N5517464

Object	Property Name	Property Value
N5517512 : N5517512 (Wire ID = 5517512)	Name	N5517512

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5517516)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5517520)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
N5517528 : N5517528 (Wire ID = 5517528)	Name	N5517528

Object	Property Name	Property Value
VFE1iso+ : VFE1ISO+ (Wire ID = 5517532)	Name	VFE1ISO+

Object	Property Name	Property Value
VFE1iso+ : VFE1ISO+ (Wire ID = 5517604)	Name	VFE1ISO+

Object	Property Name	Property Value
N5517388 : N5517388 (Wire ID = 5517608)	Name	N5517388

Object	Property Name	Property Value
N5517512 : N5517512 (Wire ID = 5517684)	Name	N5517512

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5517712)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
N5517716 : N5517716 (Wire ID = 5517716)	Name	N5517716

Object	Property Name	Property Value
VFE1iso+ : VFE1ISO+ (Wire ID = 5517720)	Name	VFE1ISO+

Object	Property Name	Property Value
N5517716 : N5517716 (Wire ID = 5517724)	Name	N5517716

Object	Property Name	Property Value
N5517716 : N5517716 (Wire ID = 5517728)	Name	N5517716

Object	Property Name	Property Value
N5517732 : N5517732 (Wire ID = 5517732)	Name	N5517732

Object	Property Name	Property Value
N5517732 : N5517732 (Wire ID = 5517748)	Name	N5517732

Object	Property Name	Property Value
N5517732 : N5517732 (Wire ID = 5517752)	Name	N5517732

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5517812)	Name	VFE1ISO-

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5517816)	Name	VFE1ISO-

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5517820)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
VFE1iso+ : VFE1ISO+ (Wire ID = 5517824)	Name	VFE1ISO+

Object	Property Name	Property Value
VFE1iso+ : VFE1ISO+ (Wire ID = 5517828)	Name	VFE1ISO+

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5517836)	Name	VFE1ISO-

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5517844)	Name	VFE1ISO-

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5517848)	Name	VFE1ISO-

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5517852)	Name	VFE1ISO-

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5517856)	Name	VFE1ISO-

Object	Property Name	Property Value
N5517528 : N5517528 (Wire ID = 5517864)	Name	N5517528

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5517884)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5517888)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
N5517412 : N5517412 (Wire ID = 5587169)	Name	N5517412

Object	Property Name	Property Value
N5517412 : N5517412 (Wire ID = 5587226)	Name	N5517412

Object	Property Name	Property Value
VFE1iso+ : VFE1ISO+ (Wire ID = 5587288)	Name	VFE1ISO+

Object	Property Name	Property Value
VFE1iso+ : VFE1ISO+ (Wire ID = 5587347)	Name	VFE1ISO+

Object	Property Name	Property Value
VFE1iso+ : VFE1ISO+ (Wire ID = 5587349)	Name	VFE1ISO+

Object	Property Name	Property Value
N5587472 : N5587472 (Wire ID = 5587472)	Name	N5587472

Object	Property Name	Property Value
N5587472 : N5587472 (Wire ID = 5587474)	Name	N5587472

Object	Property Name	Property Value
N5587472 : N5587472 (Wire ID = 5587478)	Name	N5587472

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5588142)	Name	VFE1ISO-

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5588208)	Name	VFE1ISO-

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5598894)	Name	VFE1ISO-

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5599689)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5599691)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5599834)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
N5587472 : N5587472 (Wire ID = 5599910)	Name	N5587472

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5600060)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5600062)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5600136)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5600140)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5600216)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5600220)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
N5517716 : N5517716 (Wire ID = 5602616)	Name	N5517716

Object	Property Name	Property Value
N5517716 : N5517716 (Wire ID = 5602618)	Name	N5517716

Object	Property Name	Property Value
N5517716 : N5517716 (Wire ID = 5602622)	Name	N5517716

Object	Property Name	Property Value
N5517732 : N5517732 (Wire ID = 5602703)	Name	N5517732

Object	Property Name	Property Value
N5517732 : N5517732 (Wire ID = 5602705)	Name	N5517732

Object	Property Name	Property Value
N5604007 : N5604007 (Wire ID = 5604007)	Name	N5604007

Object	Property Name	Property Value
N5604089 : N5604089 (Wire ID = 5604089)	Name	N5604089

Object	Property Name	Property Value
N5604172 : N5604172 (Wire ID = 5604172)	Name	N5604172

Object	Property Name	Property Value
N5604256 : N5604256 (Wire ID = 5604256)	Name	N5604256

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5604341)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5605741)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
N5517732 : N5517732 (Wire ID = 5605745)	Name	N5517732

Object	Property Name	Property Value
VFE1iso- : VFE1ISO- (Wire ID = 5605749)	Name	VFE1ISO-

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5605753)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
N5606350 : N5606350 (Wire ID = 5606350)	Name	N5606350

Object	Property Name	Property Value
N5606436 : N5606436 (Wire ID = 5606436)	Name	N5606436

Object	Property Name	Property Value
N5606521 : N5606521 (Wire ID = 5606521)	Name	N5606521

Object	Property Name	Property Value
N5606607 : N5606607 (Wire ID = 5606607)	Name	N5606607

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5606694)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5606782)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5606784)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
N5609480 : N5609480 (Wire ID = 5609480)	Name	N5609480

Object	Property Name	Property Value
N5609578 : N5609578 (Wire ID = 5609578)	Name	N5609578

Object	Property Name	Property Value
N5609578 : N5609578 (Wire ID = 5609677)	Name	N5609578

Object	Property Name	Property Value
N5517388 : N5517388 (Wire ID = 5630005)	Name	N5517388

Object	Property Name	Property Value
N5517388 : N5517388 (Wire ID = 5630102)	Name	N5517388

Object	Property Name	Property Value
N5517388 : N5517388 (Wire ID = 5630198)	Name	N5517388

Object	Property Name	Property Value
N5609578 : N5609578 (Wire ID = 5631129)	Name	N5609578

Object	Property Name	Property Value
N5609480 : N5609480 (Wire ID = 5631325)	Name	N5609480

Object	Property Name	Property Value
N5609480 : N5609480 (Wire ID = 5631420)	Name	N5609480

Object	Property Name	Property Value
N5517528 : N5517528 (Wire ID = 5631876)	Name	N5517528

Object	Property Name	Property Value
GND_EARTH_1 : GND_EARTH_1 (Wire ID = 5656103)	Name	GND_EARTH_1

Object	Property Name	Property Value
GND_EARTH_1 : GND_EARTH_1 (Wire ID = 5656200)	Name	GND_EARTH_1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5656781)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5656783)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5656883)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
iso1 : ISO1 (Wire ID = 5656885)	NODENAME	iso1
	Name	ISO1

Object	Property Name	Property Value
GND_EARTH_1 : GND_EARTH_1 (Wire ID = 6061915)	Name	GND_EARTH_1

Object	Property Name	Property Value
GND_EARTH_1 : GND_EARTH_1 (Wire ID = 6082718)	Name	GND_EARTH_1

Object	Property Name	Property Value
GND_EARTH_1 : GND_EARTH_1 (Wire ID = 6083109)	Name	GND_EARTH_1

Object	Property Name	Property Value
GND_EARTH_1 : GND_EARTH_1 (Wire ID = 6086766)	Name	GND_EARTH_1

Object	Property Name	Property Value
GND_EARTH_1 : GND_EARTH_1 (Wire ID = 6087280)	Name	GND_EARTH_1

Object	Property Name	Property Value
iso1	NODENAME	iso1
	Name	iso1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso1	NODENAME	iso1
	Name	iso1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso1	NODENAME	iso1
	Name	iso1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso1	NODENAME	iso1
	Name	iso1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE1iso+	Name	VFE1iso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
iso1	NODENAME	iso1
	Name	iso1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VFE1iso-	Name	VFE1iso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
iso1	NODENAME	iso1
	Name	iso1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso1	NODENAME	iso1
	Name	iso1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
iso1	NODENAME	iso1
	Name	iso1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
GND_EARTH_1-1	Name	GND_EARTH_1-1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_1	Name	GND_EARTH_1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_1	Name	GND_EARTH_1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_1-1	Name	GND_EARTH_1-1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
TitleBlock0 : TitleBlock0	Path Name	TitleBlock0
	Schematic Path	/
	ID	2138
	OrgAddr4	
	OrgAddr3	
	OrgAddr2	
	OrgAddr1	
	OrgName	
	Cage Code	
	RevCode	1.0
	Title	INA116 Instrumenation Amp Front End
	Page Number	3
	Page Count	4
	Doc	10020229
	Name	TitleBlock0
	Design Name	PH_METER
	Design File Name	C:\USERS\JROSALI\APPDATA\ROAMING\SPB_DATA\CDSETUP\WORKSP
	Design Create Date	Thursday, August 21, 2008
	Design Modify Date	Tuesday, April 08, 2025
	Design Create Time	10:49:25
	Design Modify Time	09:35:36
	Schematic Name	SCHEMATIC1
	Schematic Create Date	Thursday, August 21, 2008
	Schematic Modify Date	Tuesday, April 08, 2025
	Schematic Create Time	10:49:26
	Schematic Modify Time	09:35:38
	Schematic Page Count	0
	Schematic Page Number	0
	Page Size	B
	Page Create Date	Tuesday, September 30, 2008
	Page Modify Date	Tuesday, April 08, 2025
	Page Create Time	07:48:41
	Page Modify Time	09:35:36
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	TitleBlock0
	Page Name	INA116 Front End

Object	Property Name	Property Value
INS5517418 : R29	Name	INS5517418
	ID	2302
	Reference	R29
	Designator	
	Part Reference	R29
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	RESC3216X70N 1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R29/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5517464
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R29/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5609578
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5655993 : R33	Name	INS5655993
	ID	2524
	Reference	R33
	Designator	
	Part Reference	R33
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	RESC3216X70N 1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R33/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R33/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_1
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5517534 : R32	Name	INS5517534
	ID	2311
	Reference	R32
	Designator	
	Part Reference	R32
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R32/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5604007
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R32/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5517388
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5603284 : R34	Name	INS5603284
	ID	2428
	Reference	R34
	Designator	
	Part Reference	R34
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R34/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5604089
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R34/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5604007
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5603389 : R35	Name	INS5603389
	ID	2431
	Reference	R35
	Designator	
	Part Reference	R35
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R35/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5604172
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R35/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5604089
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5607132 : J10	Name	INS5607132
	ID	2460
	Reference	J10
	Designator	
	Part Reference	J10
	Value	Ref Probe
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J10/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5517528
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5603494 : R36	Name	INS5603494
	ID	2434
	Reference	R36
	Designator	
	Part Reference	R36
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R36/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5604256
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R36/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5604172
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5607234 : J12	Name	INS5607234
	ID	2462
	Reference	J12
	Designator	
	Part Reference	J12
	Value	pH Probe
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J12/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5517388
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5607336 : J9	Name	INS5607336
	ID	2464
	Reference	J9
	Designator	
	Part Reference	J9
	Value	Guard
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J9/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5609480
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5607438 : J13	Name	INS5607438
	ID	2466
	Reference	J13
	Designator	
	Part Reference	J13
	Value	Guard
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J13/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5609578
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5603599 : R37	Name	INS5603599
	ID	2437
	Reference	R37
	Designator	
	Part Reference	R37
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	2520
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R37/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R37/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5604256
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5517442 : C14	Name	INS5517442
	ID	2305
	Reference	C14
	Designator	
	Part Reference	C14
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	270
	COMPLOC	[1785.933,1197.400]
	COMPSIDE	BOT
	FPLIST	
	PCB Footprint	CAPMP7343X430N
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C14/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VFE1iso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C14/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5517650 : R26	Name	INS5517650
	ID	2334
	Reference	R26
	Designator	
	Part Reference	R26
	Value	5.62K 1%
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R26/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5517732
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R26/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5517716
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5517758 : C15	Name	INS5517758
	ID	2343
	Reference	C15
	Designator	
	Part Reference	C15
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	CAPC2013X130N_0805

Object	Property Name	Property Value
1 : C15/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VFE1iso-
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C15/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5517866 : R31	Name	INS5517866
	ID	2346
	Reference	R31
	Designator	
	Part Reference	R31
	Value	No Stuff 0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R31/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5517512
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R31/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5587472
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5517666 : C13	Name	INS5517666
	ID	2337
	Reference	C13
	Designator	
	Part Reference	C13
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	CAPC2013X130N_0805

Object	Property Name	Property Value
1 : C13/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VFE1iso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C13/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5605847 : R20	Name	INS5605847
	ID	2453
	Reference	R20
	Designator	
	Part Reference	R20
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMP LOC	[1397.000,1495.000]
	COMP ROT	0
	COMP GROUP	2
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R20/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5606350
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R20/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5586441 : J11	Name	INS5586441
	ID	2410
	Reference	J11
	Designator	
	Part Reference	J11
	Value	CON10
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PACKAGE	1X10 0.1
	PCB Footprint	HDR1X10

Object	Property Name	Property Value
1 : J11/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : J11/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE1iso+
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3 : J11/3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4 : J11/4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N5517412
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5 : J11/5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
6 : J11/6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N5587472
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
7 : J11/7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
8 : J11/8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	VFE1iso-
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
9 : J11/9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
10 : J11/10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_1-1
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
INS5632521 : J8	Name	INS5632521
	ID	2490
	Reference	J8
	Designator	
	Part Reference	J8
	Value	GND
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J8/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5604845 : R23	Name	INS5604845
	ID	2444
	Reference	R23
	Designator	
	Part Reference	R23
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP_SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R23/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5606607
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R23/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5606521
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5517482 : R27	Name	INS5517482
	ID	2308
	Reference	R27
	Designator	
	Part Reference	R27
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMP LOC	[1397.000,1495.000]
	COMP ROT	0
	COMP GROUP	2
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R27/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5517528
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R27/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5606607
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5602524 : R24	Name	INS5602524
	ID	2425
	Reference	R24
	Designator	
	Part Reference	R24
	Value	5.62K 1%
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R24/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5517732
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R24/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5517716
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5517686 : R30	Name	INS5517686
	ID	2340
	Reference	R30
	Designator	
	Part Reference	R30
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R30/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5517512
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R30/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5517558 : U3	Name	INS5517558
	ID	2314
	Reference	U3
	Designator	
	Part Reference	U3
	Value	INA116
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	DIP_16
	GROUP	2
	COMPGROUP	2

Object	Property Name	Property Value
Guard2- : U3/Guard2-	Name	Guard2-
	Number	2
	Swap Id	-1
	Type	Output
	Net Name	N5517416
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
NC4 : U3/NC4	Name	NC4
	Number	15
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
Rg- : U3/Rg-	Name	Rg-
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	N5517732
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
Vin- : U3/Vin-	Name	Vin-
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N5517528
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
NC3 : U3/NC3	Name	NC3
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
Rg+ : U3/Rg+	Name	Rg+
	Number	16
	Swap Id	-1
	Type	Input
	Net Name	N5517716
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
V+ : U3/V+	Name	V+
	Number	13
	Swap Id	-1
	Type	Input
	Net Name	VFE1iso+
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
Guard4- : U3/Guard4-	Name	Guard4-
	Number	4
	Swap Id	-1
	Type	Output
	Net Name	N5517416
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
Guard5+ : U3/Guard5+	Name	Guard5+
	Number	5
	Swap Id	-1
	Type	Output
	Net Name	N5517464
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
Vin+ : U3/Vin+	Name	Vin+
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N5517388
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
Guard7+ : U3/Guard7+	Name	Guard7+
	Number	7
	Swap Id	-1
	Type	Output
	Net Name	N5517464
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
V- : U3/V-	Name	V-
	Number	8
	Swap Id	-1
	Type	Input
	Net Name	VFE1iso-
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
NC2 : U3/NC2	Name	NC2
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
Vout : U3/Vout	Name	Vout
	Number	11
	Swap Id	-1
	Type	Output
	Net Name	N5517412
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
NC1 : U3/NC1	Name	NC1
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
Ref : U3/Ref	Name	Ref
	Number	9
	Swap Id	-1
	Type	Input
	Net Name	N5517512
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
INS5604953 : R22	Name	INS5604953
	ID	2447
	Reference	R22
	Designator	
	Part Reference	R22
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R22/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5606521
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R22/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5606436
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5605061 : R21	Name	INS5605061
	ID	2450
	Reference	R21
	Designator	
	Part Reference	R21
	Value	100M
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC6451X77N_2520
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	2520
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R21/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5606436
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R21/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5606350
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5632637 : J14	Name	INS5632637
	ID	2492
	Reference	J14
	Designator	
	Part Reference	J14
	Value	GND
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	COMPGROUP	2
	PCB Footprint	MISC_18AWG

Object	Property Name	Property Value
1 : J14/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5517394 : R28	Name	INS5517394
	ID	2299
	Reference	R28
	Designator	
	Part Reference	R28
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R28/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5517416
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R28/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5609480
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6086335 : W5	Name	INS6086335
	ID	2598
	Reference	W5
	Designator	
	Part Reference	W5
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[605.000,584.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	MISC_22AWG

Object	Property Name	Property Value
1 : W5/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_1-1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5655873 : R25	Name	INS5655873
	ID	2521
	Reference	R25
	Designator	
	Part Reference	R25
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	FPLIST	RESC3216X70N 1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	2
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	RESC2013X60N_0805

Object	Property Name	Property Value
1 : R25/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R25/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_1
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6087056 : W6	Name	INS6087056
	ID	2601
	Reference	W6
	Designator	
	Part Reference	W6
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	SQ POST
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[605.000,584.000]
	COMPSIDE	TOP
	FPLIST	
	GROUP	3
	PCB Footprint	MISC_22AWG

Object	Property Name	Property Value
1 : W6/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5517614 : C16	Name	INS5517614
	ID	2331
	Reference	C16
	Designator	
	Part Reference	C16
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	2
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	2
	COMPROT	270
	COMPLOC	[1785.933,1197.400]
	COMPSIDE	BOT
	FPLIST	
	PCB Footprint	CAPMP7343X430N
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C16/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	iso1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C16/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VFE1iso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
Line	Name	I3895640
	Start X-Coordinate	1520
	Start Y-Coordinate	0
	End X-Coordinate	1520
	End Y-Coordinate	2000

Object	Property Name	Property Value
Line	Name	I3895898
	Start X-Coordinate	1510
	Start Y-Coordinate	0
	End X-Coordinate	1510
	End Y-Coordinate	2000

Object	Property Name	Property Value
10 mV per degree C	Name	I4429139
	Bounding Box Left	1330
	Bounding Box Right	1422
	Bounding Box Top	1810
	Bounding Box Bottom	1819
	Text	10 mV per degree C
	Text Location X-Coordinate	1330
	Text Location Y-Coordinate	1810
	Font	Courier New

Object	Property Name	Property Value
TX EN	Name	I4634818
	Bounding Box Left	2270
	Bounding Box Right	2297
	Bounding Box Top	1850
	Bounding Box Bottom	1859
	Text	TX EN
	Text Location X-Coordinate	2270
	Text Location Y-Coordinate	1850
	Font	Courier New

Object	Property Name	Property Value
0v to 3.3v	Name	I4645699
	Bounding Box Left	2160
	Bounding Box Right	2212
	Bounding Box Top	610
	Bounding Box Bottom	619
	Text	0v to 3.3v
	Text Location X-Coordinate	2160
	Text Location Y-Coordinate	610
	Font	Courier New

Object	Property Name	Property Value
+12v	Name	I4964205
	Bounding Box Left	3080
	Bounding Box Right	3102
	Bounding Box Top	960
	Bounding Box Bottom	969
	Text	+12v
	Text Location X-Coordinate	3080
	Text Location Y-Coordinate	960
	Font	Courier New

Object	Property Name	Property Value
Gnd	Name	I4964207
	Bounding Box Left	3080
	Bounding Box Right	3097
	Bounding Box Top	970
	Bounding Box Bottom	979
	Text	Gnd
	Text Location X-Coordinate	3080
	Text Location Y-Coordinate	970
	Font	Courier New

Object	Property Name	Property Value
Gnd	Name	I4964209
	Bounding Box Left	3080
	Bounding Box Right	3097
	Bounding Box Top	990
	Bounding Box Bottom	999
	Text	Gnd
	Text Location X-Coordinate	3080
	Text Location Y-Coordinate	990
	Font	Courier New

Object	Property Name	Property Value
Vph	Name	I4964973
	Bounding Box Left	3080
	Bounding Box Right	3097
	Bounding Box Top	980
	Bounding Box Bottom	989
	Text	Vph
	Text Location X-Coordinate	3080
	Text Location Y-Coordinate	980
	Font	Courier New

Object	Property Name	Property Value
TX 232	Name	I4964975
	Bounding Box Left	3080
	Bounding Box Right	3112
	Bounding Box Top	1000
	Bounding Box Bottom	1009
	Text	TX 232
	Text Location X-Coordinate	3080
	Text Location Y-Coordinate	1000
	Font	Courier New

Object	Property Name	Property Value
RX 232	Name	I4964977
	Bounding Box Left	3080
	Bounding Box Right	3112
	Bounding Box Top	1010
	Bounding Box Bottom	1019
	Text	RX 232
	Text Location X-Coordinate	3080
	Text Location Y-Coordinate	1010
	Font	Courier New

Object	Property Name	Property Value
A 485	Name	I4965741
	Bounding Box Left	3080
	Bounding Box Right	3107
	Bounding Box Top	1020
	Bounding Box Bottom	1029
	Text	A 485
	Text Location X-Coordinate	3080
	Text Location Y-Coordinate	1020
	Font	Courier New

Object	Property Name	Property Value
B 485	Name	I4965743
	Bounding Box Left	3080
	Bounding Box Right	3107
	Bounding Box Top	1030
	Bounding Box Bottom	1039
	Text	B 485
	Text Location X-Coordinate	3080
	Text Location Y-Coordinate	1030
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5519661
	Bounding Box Left	570
	Bounding Box Right	587
	Bounding Box Top	1260
	Bounding Box Bottom	1269
	Text	GND
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1260
	Font	Courier New

Object	Property Name	Property Value
+V	Name	I5519663
	Bounding Box Left	570
	Bounding Box Right	582
	Bounding Box Top	1270
	Bounding Box Bottom	1279
	Text	+V
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1270
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5519665
	Bounding Box Left	570
	Bounding Box Right	587
	Bounding Box Top	1280
	Bounding Box Bottom	1289
	Text	GND
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1280
	Font	Courier New

Object	Property Name	Property Value
Vph	Name	I5519667
	Bounding Box Left	570
	Bounding Box Right	587
	Bounding Box Top	1290
	Bounding Box Bottom	1299
	Text	Vph
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1290
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5519669
	Bounding Box Left	570
	Bounding Box Right	587
	Bounding Box Top	1300
	Bounding Box Bottom	1309
	Text	GND
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1300
	Font	Courier New

Object	Property Name	Property Value
Vref	Name	I5519671
	Bounding Box Left	570
	Bounding Box Right	592
	Bounding Box Top	1310
	Bounding Box Bottom	1319
	Text	Vref
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1310
	Font	Courier New

Object	Property Name	Property Value
-V	Name	I5519673
	Bounding Box Left	570
	Bounding Box Right	582
	Bounding Box Top	1330
	Bounding Box Bottom	1339
	Text	-V
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1330
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5519675
	Bounding Box Left	570
	Bounding Box Right	587
	Bounding Box Top	1320
	Bounding Box Bottom	1329
	Text	GND
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1320
	Font	Courier New

Object	Property Name	Property Value
GND	Name	I5519677
	Bounding Box Left	570
	Bounding Box Right	587
	Bounding Box Top	1340
	Bounding Box Bottom	1349
	Text	GND
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1340
	Font	Courier New

Object	Property Name	Property Value
CASE	Name	I5519679
	Bounding Box Left	570
	Bounding Box Right	592
	Bounding Box Top	1350
	Bounding Box Bottom	1359
	Text	CASE
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	1350
	Font	Courier New

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 575840)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 575888)	Name	GND_IN

Object	Property Name	Property Value
N576268 : N576268 (Wire ID = 576268)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N576268
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N576268 : N576268 (Wire ID = 576276)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N576268
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
GND : GND (Wire ID = 576304)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 576308)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 576352)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 576476)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
GND : GND (Wire ID = 577404)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 578062)	Name	GND

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 578254)	Name	VPWR+12V

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 578444)	Name	GND_IN

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 578460)	Name	VPWR+12V

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 578510)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 578590)	Name	GND_IN

Object	Property Name	Property Value
GND : GND (Wire ID = 578654)	Name	GND

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 578934)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 578938)	Name	GND_IN

Object	Property Name	Property Value
GND : GND (Wire ID = 578962)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 578990)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 613203)	Name	GND

Object	Property Name	Property Value
N630808 : N630808 (Wire ID = 630808)	Name	N630808

Object	Property Name	Property Value
N576268 : N576268 (Wire ID = 635179)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N576268
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N630808 : N630808 (Wire ID = 640401)	Name	N630808

Object	Property Name	Property Value
N630808 : N630808 (Wire ID = 640403)	Name	N630808

Object	Property Name	Property Value
N641730 : N641730 (Wire ID = 641730)	Name	N641730

Object	Property Name	Property Value
N641730 : N641730 (Wire ID = 641732)	Name	N641730

Object	Property Name	Property Value
N641848 : N641848 (Wire ID = 641848)	Name	N641848

Object	Property Name	Property Value
N641848 : N641848 (Wire ID = 641965)	Name	N641848

Object	Property Name	Property Value
N641848 : N641848 (Wire ID = 642083)	Name	N641848

Object	Property Name	Property Value
N644328 : N644328 (Wire ID = 644328)	Name	N644328

Object	Property Name	Property Value
N644437 : N644437 (Wire ID = 644437)	Name	N644437

Object	Property Name	Property Value
N644437 : N644437 (Wire ID = 644545)	Name	N644437

Object	Property Name	Property Value
N644437 : N644437 (Wire ID = 644547)	Name	N644437

Object	Property Name	Property Value
N644657 : N644657 (Wire ID = 644657)	Name	N644657

Object	Property Name	Property Value
N644657 : N644657 (Wire ID = 644768)	Name	N644657

Object	Property Name	Property Value
N644657 : N644657 (Wire ID = 644770)	Name	N644657

Object	Property Name	Property Value
N576268 : N576268 (Wire ID = 645234)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N576268
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N576268 : N576268 (Wire ID = 645348)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N576268
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N576268 : N576268 (Wire ID = 645350)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N576268
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N576268 : N576268 (Wire ID = 645842)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N576268
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
GND : GND (Wire ID = 647472)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 647589)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 647591)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 648290)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
GND : GND (Wire ID = 648556)	Name	GND

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 650372)	Name	N650372

Object	Property Name	Property Value
GND : GND (Wire ID = 650771)	Name	GND

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 650897)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N652855 : N652855 (Wire ID = 652855)	Name	N652855

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 653263)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 653402)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N655646 : N655646 (Wire ID = 655646)	Name	N655646

Object	Property Name	Property Value
N655786 : N655786 (Wire ID = 655786)	Name	N655786

Object	Property Name	Property Value
N655786 : N655786 (Wire ID = 655927)	Name	N655786

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 658359)	Name	VPWR+12V

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 660314)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 661536)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
0 : 0 (Wire ID = 664217)	Name	0

Object	Property Name	Property Value
N671679 : N671679 (Wire ID = 671679)	Name	N671679

Object	Property Name	Property Value
N671679 : N671679 (Wire ID = 671852)	Name	N671679

Object	Property Name	Property Value
N672382 : N672382 (Wire ID = 672382)	Name	N672382

Object	Property Name	Property Value
N3863767 : N3863767 (Wire ID = 3863767)	Name	N3863767

Object	Property Name	Property Value
N3863930 : N3863930 (Wire ID = 3863930)	Name	N3863930

Object	Property Name	Property Value
GND : GND (Wire ID = 3865585)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 3865748)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 3865912)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 3865914)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3866247)	Name	VDDISO+5V

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3866415)	Name	VDDISO+5V

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3866584)	Name	VDDISO+5V

Object	Property Name	Property Value
GND : GND (Wire ID = 3867439)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 3867441)	Name	GND

Object	Property Name	Property Value
Diso : DISO (Wire ID = 3867613)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
Diso : DISO (Wire ID = 3867615)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
N652855 : N652855 (Wire ID = 3871629)	Name	N652855

Object	Property Name	Property Value
N671679 : N671679 (Wire ID = 3872828)	Name	N671679

Object	Property Name	Property Value
N671679 : N671679 (Wire ID = 3873013)	Name	N671679

Object	Property Name	Property Value
N672382 : N672382 (Wire ID = 3873376)	Name	N672382

Object	Property Name	Property Value
N672382 : N672382 (Wire ID = 3873558)	Name	N672382

Object	Property Name	Property Value
N672382 : N672382 (Wire ID = 3873560)	Name	N672382

Object	Property Name	Property Value
N652855 : N652855 (Wire ID = 3874498)	Name	N652855

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 3876197)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3877526)	Name	VDDISO+5V

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3877528)	Name	VDDISO+5V

Object	Property Name	Property Value
Diso : DISO (Wire ID = 3881047)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3881429)	Name	VDDISO+5V

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3881431)	Name	VDDISO+5V

Object	Property Name	Property Value
GND : GND (Wire ID = 3881622)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 3882009)	Name	GND

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 3889217)	Name	VISO+12V

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 3890052)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 3890054)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 3890925)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3892544)	Name	VDDISO+5V

Object	Property Name	Property Value
N576268 : N576268 (Wire ID = 3901646)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N576268
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
GND : GND (Wire ID = 3902507)	Name	GND

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 3905938)	Name	VPWR+12V

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 3906146)	Name	VPWR+12V

Object	Property Name	Property Value
GND : GND (Wire ID = 3907593)	Name	GND

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 3914230)	Name	VISO+12V

Object	Property Name	Property Value
N3916531 : N3916531 (Wire ID = 3916531)	Name	N3916531

Object	Property Name	Property Value
N3916531 : N3916531 (Wire ID = 3925281)	Name	N3916531

Object	Property Name	Property Value
N3926648 : N3926648 (Wire ID = 3926648)	Name	N3926648

Object	Property Name	Property Value
N3927784 : N3927784 (Wire ID = 3927784)	Name	N3927784

Object	Property Name	Property Value
N3929622 : N3929622 (Wire ID = 3929622)	Name	N3929622

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 3935684)	Name	VISO+12V

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 3935907)	Name	VISO+12V

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 3935909)	Name	VISO+12V

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3936134)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3936359)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3936585)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3937040)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3937268)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3937270)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3937500)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3937502)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3944179)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3944183)	Name	VAAISO+

Object	Property Name	Property Value
N3946110 : N3946110 (Wire ID = 3946110)	Name	N3946110

Object	Property Name	Property Value
N3946110 : N3946110 (Wire ID = 3946344)	Name	N3946110

Object	Property Name	Property Value
N3946110 : N3946110 (Wire ID = 3946346)	Name	N3946110

Object	Property Name	Property Value
0 : 0 (Wire ID = 3947114)	Name	0

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 3951627)	Name	N3951627

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 3951868)	Name	N3951627

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 3952110)	Name	N3951627

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 3952353)	Name	N3951627

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 3956633)	Name	VAAISO-

Object	Property Name	Property Value
N3956635 : N3956635 (Wire ID = 3956635)	Name	N3956635

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 3958931)	Name	N3951627

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 3958933)	Name	N3951627

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 3959493)	Name	VAAISO-

Object	Property Name	Property Value
0 : 0 (Wire ID = 3961286)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 3961290)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 3961547)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 3961551)	Name	0

Object	Property Name	Property Value
N3956635 : N3956635 (Wire ID = 3965328)	Name	N3956635

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 3967465)	Name	N3951627

Object	Property Name	Property Value
N3956635 : N3956635 (Wire ID = 3969051)	Name	N3956635

Object	Property Name	Property Value
N3956635 : N3956635 (Wire ID = 3969313)	Name	N3956635

Object	Property Name	Property Value
N3956635 : N3956635 (Wire ID = 3969572)	Name	N3956635

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 3973958)	Name	N3951627

Object	Property Name	Property Value
0 : 0 (Wire ID = 3974218)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 3974222)	Name	0

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 3976063)	Name	VISO+12V

Object	Property Name	Property Value
0 : 0 (Wire ID = 3976906)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 3976910)	Name	0

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 3977462)	Name	N3951627

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3981056)	Name	VAAISO+

Object	Property Name	Property Value
0 : 0 (Wire ID = 3981328)	Name	0

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 3983268)	Name	VAAISO-

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3984957)	Name	VAAISO+

Object	Property Name	Property Value
0 : 0 (Wire ID = 3988388)	Name	0

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3988665)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3988943)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3988945)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 3989508)	Name	VAAISO-

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 3989510)	Name	VAAISO-

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 3989793)	Name	VAAISO-

Object	Property Name	Property Value
0 : 0 (Wire ID = 3990684)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 3990686)	Name	0

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 3995785)	Name	VAAISO+

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 3996075)	Name	VAAISO-

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3999111)	Name	VDDISO+5V

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3999151)	Name	VDDISO+5V

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3999159)	Name	VDDISO+5V

Object	Property Name	Property Value
Diso : DISO (Wire ID = 3999167)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
Diso : DISO (Wire ID = 3999179)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
Diso : DISO (Wire ID = 3999183)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
Diso : DISO (Wire ID = 3999187)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 3999217)	Name	VDDISO+5V

Object	Property Name	Property Value
N3926648 : N3926648 (Wire ID = 4000820)	Name	N3926648

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 4005157)	Name	VISO+12V

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 4005448)	Name	VISO+12V

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 4005452)	Name	VISO+12V

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4034256)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4034583)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
N4035940 : N4035940 (Wire ID = 4035940)	Name	N4035940

Object	Property Name	Property Value
N4038913 : N4038913 (Wire ID = 4038913)	Name	N4038913

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4039945)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4040272)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4040276)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
GND : GND (Wire ID = 4042363)	Name	GND

Object	Property Name	Property Value
N4046983 : N4046983 (Wire ID = 4046983)	Name	N4046983

Object	Property Name	Property Value
N4046983 : N4046983 (Wire ID = 4050180)	Name	N4046983

Object	Property Name	Property Value
0 : 0 (Wire ID = 4052254)	Name	0

Object	Property Name	Property Value
Viso+12v : VISO+12V (Wire ID = 4052260)	Name	VISO+12V

Object	Property Name	Property Value
N4046983 : N4046983 (Wire ID = 4054327)	Name	N4046983

Object	Property Name	Property Value
N3929622 : N3929622 (Wire ID = 4055390)	Name	N3929622

Object	Property Name	Property Value
N3926648 : N3926648 (Wire ID = 4058207)	Name	N3926648

Object	Property Name	Property Value
N3863930 : N3863930 (Wire ID = 4172991)	Name	N3863930

Object	Property Name	Property Value
N4175189 : N4175189 (Wire ID = 4175189)	Name	N4175189

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4175191)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
N3863767 : N3863767 (Wire ID = 4182627)	Name	N3863767

Object	Property Name	Property Value
N3863767 : N3863767 (Wire ID = 4182629)	Name	N3863767

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4184850)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 4186569)	Name	VDDISO+5V

Object	Property Name	Property Value
0 : 0 (Wire ID = 4203370)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 4203374)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 4203378)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 4203382)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 4203386)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 4203390)	Name	0

Object	Property Name	Property Value
N3956635 : N3956635 (Wire ID = 4203394)	Name	N3956635

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 4203398)	Name	VAAISO+

Object	Property Name	Property Value
N4046983 : N4046983 (Wire ID = 4205184)	Name	N4046983

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4207502)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4208798)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4210622)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 4213318)	Name	VDDISO+5V

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4213326)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 4213330)	Name	VDDISO+5V

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 4284271)	Name	N4284271

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 4285152)	Name	N4284271

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 4285610)	Name	N4284271

Object	Property Name	Property Value
N4286052 : N4286052 (Wire ID = 4286052)	Name	N4286052

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 4286500)	Name	N4284271

Object	Property Name	Property Value
N4286956 : N4286956 (Wire ID = 4286956)	Name	N4286956

Object	Property Name	Property Value
N4286956 : N4286956 (Wire ID = 4287403)	Name	N4286956

Object	Property Name	Property Value
N4286956 : N4286956 (Wire ID = 4287405)	Name	N4286956

Object	Property Name	Property Value
N4287854 : N4287854 (Wire ID = 4287854)	Name	N4287854

Object	Property Name	Property Value
N4287854 : N4287854 (Wire ID = 4288306)	Name	N4287854

Object	Property Name	Property Value
N4287854 : N4287854 (Wire ID = 4289668)	Name	N4287854

Object	Property Name	Property Value
0 : 0 (Wire ID = 4290578)	Name	0

Object	Property Name	Property Value
N4286956 : N4286956 (Wire ID = 4291944)	Name	N4286956

Object	Property Name	Property Value
N4287854 : N4287854 (Wire ID = 4292875)	Name	N4287854

Object	Property Name	Property Value
N4286052 : N4286052 (Wire ID = 4295809)	Name	N4286052

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4303285)	Name	N4303285

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4303744)	Name	N4303285

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4303746)	Name	N4303285

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4308065)	Name	N4303285

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 4308531)	Name	N4284271

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 4308535)	Name	N4284271

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4310951)	Name	N4310951

Object	Property Name	Property Value
N4286956 : N4286956 (Wire ID = 4311891)	Name	N4286956

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4314818)	Name	VDDISO+5V

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4321511)	Name	N4303285

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4321981)	Name	N4310951

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4322917)	Name	N4310951

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4322919)	Name	N4310951

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4325757)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 4326229)	Name	VDDISO+5V

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 4326233)	Name	VDDISO+5V

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4334971)	Name	N4303285

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4343659)	Name	N4303285

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4344127)	Name	N4303285

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 4349171)	Name	VDDISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4351658)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4351660)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4352134)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4352138)	Name	VADISO+5V

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4356699)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4356701)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4357181)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4357185)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4358229)	Name	VADISO+5V

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4360166)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4361222)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4363638)	Name	VADISO+5V

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 4367801)	Name	N4284271

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4368782)	Name	N4310951

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4371780)	Name	N4303285

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4372281)	Name	N4303285

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4374817)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4375303)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4375305)	Name	VADISO+5V

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4376303)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4376791)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4376793)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4377283)	Name	VADISO+5V

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4381913)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4382405)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4382898)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4383392)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4383394)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4387014)	Name	N4310951

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4387511)	Name	N4310951

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4388009)	Name	N4310951

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4388011)	Name	N4310951

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4388511)	Name	N4310951

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 4388517)	Name	N4310951

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4389019)	Name	N4303285

Object	Property Name	Property Value
N4303285 : N4303285 (Wire ID = 4389023)	Name	N4303285

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4390042)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4390547)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4390549)	Name	VADISO+5V

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4391056)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4391564)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4392073)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4392583)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4392585)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4393607)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4393609)	Name	VADISO+5V

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4397371)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4400545)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4401061)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4401063)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4401581)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4402100)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4402102)	Name	VADISO+5V

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4404298)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4404820)	Name	VADISO+5V

Object	Property Name	Property Value
N4411107 : N4411107 (Wire ID = 4411107)	Name	N4411107

Object	Property Name	Property Value
N4411107 : N4411107 (Wire ID = 4411632)	Name	N4411107

Object	Property Name	Property Value
N4411107 : N4411107 (Wire ID = 4411634)	Name	N4411107

Object	Property Name	Property Value
N4412161 : N4412161 (Wire ID = 4412161)	Name	N4412161

Object	Property Name	Property Value
N4412161 : N4412161 (Wire ID = 4412689)	Name	N4412161

Object	Property Name	Property Value
N4412161 : N4412161 (Wire ID = 4412691)	Name	N4412161

Object	Property Name	Property Value
N4413221 : N4413221 (Wire ID = 4413221)	Name	N4413221

Object	Property Name	Property Value
N4413221 : N4413221 (Wire ID = 4413752)	Name	N4413221

Object	Property Name	Property Value
N4413221 : N4413221 (Wire ID = 4413754)	Name	N4413221

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4414301)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
N4412161 : N4412161 (Wire ID = 4417589)	Name	N4412161

Object	Property Name	Property Value
N4424119 : N4424119 (Wire ID = 4424119)	Name	N4424119

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4424655)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4424659)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
N4411107 : N4411107 (Wire ID = 4427978)	Name	N4411107

Object	Property Name	Property Value
N4286956 : N4286956 (Wire ID = 4434102)	Name	N4286956

Object	Property Name	Property Value
N4286956 : N4286956 (Wire ID = 4434104)	Name	N4286956

Object	Property Name	Property Value
N4434651 : N4434651 (Wire ID = 4434651)	Name	N4434651

Object	Property Name	Property Value
N4434651 : N4434651 (Wire ID = 4435748)	Name	N4434651

Object	Property Name	Property Value
N4434651 : N4434651 (Wire ID = 4435752)	Name	N4434651

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4443792)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 4444973)	Name	N4284271

Object	Property Name	Property Value
N641730 : N641730 (Wire ID = 4479395)	Name	N641730

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 4482981)	Name	VPWR+12V

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 4485255)	Name	VPWR+12V

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 4485825)	Name	VPWR+12V

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 4485827)	Name	VPWR+12V

Object	Property Name	Property Value
GND : GND (Wire ID = 4490590)	Name	GND

Object	Property Name	Property Value
N4494200 : N4494200 (Wire ID = 4494200)	Name	N4494200

Object	Property Name	Property Value
N4494200 : N4494200 (Wire ID = 4501901)	Name	N4494200

Object	Property Name	Property Value
N4038913 : N4038913 (Wire ID = 4503727)	Name	N4038913

Object	Property Name	Property Value
N4038913 : N4038913 (Wire ID = 4503729)	Name	N4038913

Object	Property Name	Property Value
N4504311 : N4504311 (Wire ID = 4504311)	Name	N4504311

Object	Property Name	Property Value
N4504311 : N4504311 (Wire ID = 4504313)	Name	N4504311

Object	Property Name	Property Value
GND : GND (Wire ID = 4520088)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4520660)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4520662)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4524274)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4526582)	Name	GND_IN

Object	Property Name	Property Value
N4542385 : N4542385 (Wire ID = 4542385)	Name	N4542385

Object	Property Name	Property Value
N4542385 : N4542385 (Wire ID = 4542959)	Name	N4542385

Object	Property Name	Property Value
N4542385 : N4542385 (Wire ID = 4544687)	Name	N4542385

Object	Property Name	Property Value
N4545263 : N4545263 (Wire ID = 4545263)	Name	N4545263

Object	Property Name	Property Value
N4545840 : N4545840 (Wire ID = 4545840)	Name	N4545840

Object	Property Name	Property Value
N4546418 : N4546418 (Wire ID = 4546418)	Name	N4546418

Object	Property Name	Property Value
N4546997 : N4546997 (Wire ID = 4546997)	Name	N4546997

Object	Property Name	Property Value
N4547577 : N4547577 (Wire ID = 4547577)	Name	N4547577

Object	Property Name	Property Value
N4547577 : N4547577 (Wire ID = 4548158)	Name	N4547577

Object	Property Name	Property Value
N4547577 : N4547577 (Wire ID = 4548160)	Name	N4547577

Object	Property Name	Property Value
N4547577 : N4547577 (Wire ID = 4548743)	Name	N4547577

Object	Property Name	Property Value
N4542385 : N4542385 (Wire ID = 4550009)	Name	N4542385

Object	Property Name	Property Value
N4542385 : N4542385 (Wire ID = 4550011)	Name	N4542385

Object	Property Name	Property Value
N4545263 : N4545263 (Wire ID = 4550598)	Name	N4545263

Object	Property Name	Property Value
N4545263 : N4545263 (Wire ID = 4550600)	Name	N4545263

Object	Property Name	Property Value
N4545263 : N4545263 (Wire ID = 4550604)	Name	N4545263

Object	Property Name	Property Value
N4553074 : N4553074 (Wire ID = 4553074)	Name	N4553074

Object	Property Name	Property Value
N4553074 : N4553074 (Wire ID = 4553665)	Name	N4553074

Object	Property Name	Property Value
N4553074 : N4553074 (Wire ID = 4553667)	Name	N4553074

Object	Property Name	Property Value
N4554260 : N4554260 (Wire ID = 4554260)	Name	N4554260

Object	Property Name	Property Value
N4554260 : N4554260 (Wire ID = 4554854)	Name	N4554260

Object	Property Name	Property Value
N4554260 : N4554260 (Wire ID = 4554856)	Name	N4554260

Object	Property Name	Property Value
GND : GND (Wire ID = 4556659)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 4556661)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 4560304)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4560904)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4561505)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4562721)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4567803)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
N4568407 : N4568407 (Wire ID = 4568407)	Name	N4568407

Object	Property Name	Property Value
N4568407 : N4568407 (Wire ID = 4569014)	Name	N4568407

Object	Property Name	Property Value
N4569622 : N4569622 (Wire ID = 4569622)	Name	N4569622

Object	Property Name	Property Value
N4569622 : N4569622 (Wire ID = 4569624)	Name	N4569622

Object	Property Name	Property Value
N4570232 : N4570232 (Wire ID = 4570232)	Name	N4570232

Object	Property Name	Property Value
N4577036 : N4577036 (Wire ID = 4577036)	Name	N4577036

Object	Property Name	Property Value
N4577036 : N4577036 (Wire ID = 4577038)	Name	N4577036

Object	Property Name	Property Value
N4577650 : N4577650 (Wire ID = 4577650)	Name	N4577650

Object	Property Name	Property Value
N4577650 : N4577650 (Wire ID = 4577652)	Name	N4577650

Object	Property Name	Property Value
N4581341 : N4581341 (Wire ID = 4581341)	Name	N4581341

Object	Property Name	Property Value
GND : GND (Wire ID = 4581957)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 4581959)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 4584554)	Name	GND

Object	Property Name	Property Value
N4581341 : N4581341 (Wire ID = 4584556)	Name	N4581341

Object	Property Name	Property Value
GND : GND (Wire ID = 4585185)	Name	GND

Object	Property Name	Property Value
N4591810 : N4591810 (Wire ID = 4591810)	RECONNTYPE	STD
	PLANELAYERS	
	ROUTELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	CONNWIDTH	7.000
	MINWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4591810
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4591810 : N4591810 (Wire ID = 4591812)	RECONNTYPE	STD
	PLANELAYERS	
	ROUTELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	CONNWIDTH	7.000
	MINWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4591810
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4600113 : N4600113 (Wire ID = 4600113)	Name	N4600113

Object	Property Name	Property Value
N4604571 : N4604571 (Wire ID = 4604571)	Name	N4604571

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4605826)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4605828)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
N4553074 : N4553074 (Wire ID = 4608468)	Name	N4553074

Object	Property Name	Property Value
N4554260 : N4554260 (Wire ID = 4609095)	Name	N4554260

Object	Property Name	Property Value
N4612986 : N4612986 (Wire ID = 4612986)	Name	N4612986

Object	Property Name	Property Value
N4613611 : N4613611 (Wire ID = 4613611)	Name	N4613611

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4617396)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4618027)	Name	GND_IN

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 4642476)	Name	N4642476

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 4643098)	Name	N4642476

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 4643100)	Name	N4642476

Object	Property Name	Property Value
N4644445 : N4644445 (Wire ID = 4644445)	Name	N4644445

Object	Property Name	Property Value
N4644445 : N4644445 (Wire ID = 4645070)	Name	N4644445

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4653417)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4653419)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4658617)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N4675741 : N4675741 (Wire ID = 4675741)	Name	N4675741

Object	Property Name	Property Value
N4675741 : N4675741 (Wire ID = 4675743)	Name	N4675741

Object	Property Name	Property Value
N4675741 : N4675741 (Wire ID = 4677012)	Name	N4675741

Object	Property Name	Property Value
N4677648 : N4677648 (Wire ID = 4677648)	Name	N4677648

Object	Property Name	Property Value
N4677648 : N4677648 (Wire ID = 4679574)	Name	N4677648

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4682125)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N4677648 : N4677648 (Wire ID = 4682773)	Name	N4677648

Object	Property Name	Property Value
N4677648 : N4677648 (Wire ID = 4682781)	Name	N4677648

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4693352)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4693993)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4693995)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4696025)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4696027)	Name	VAA-5.0

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4697326)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4697328)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4707916)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4708563)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4708565)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4709214)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4709864)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4710515)	Name	VAA-5.0

Object	Property Name	Property Value
GND : GND (Wire ID = 4711372)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 4711376)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 4711380)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4711384)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4711388)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4711392)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4712050)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4712056)	Name	VAA-5.0

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4712716)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4712720)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
GND : GND (Wire ID = 4717481)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 4717485)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4718149)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4718151)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4718155)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4719511)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4722965)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
GND : GND (Wire ID = 4723635)	Name	GND

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 4728452)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 4729127)	Name	N650372

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4732607)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4733275)	Name	VAA-5.0

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4739468)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4740138)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4740140)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4740812)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4741485)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4741487)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4743517)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4744195)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4744197)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4745558)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4745560)	Name	VAA-5.0

Object	Property Name	Property Value
N4675741 : N4675741 (Wire ID = 4753437)	Name	N4675741

Object	Property Name	Property Value
N4675741 : N4675741 (Wire ID = 4753439)	Name	N4675741

Object	Property Name	Property Value
N4677648 : N4677648 (Wire ID = 4754128)	Name	N4677648

Object	Property Name	Property Value
N4677648 : N4677648 (Wire ID = 4754130)	Name	N4677648

Object	Property Name	Property Value
N4766564 : N4766564 (Wire ID = 4766564)	Name	N4766564

Object	Property Name	Property Value
N4766564 : N4766564 (Wire ID = 4767254)	Name	N4766564

Object	Property Name	Property Value
N4766564 : N4766564 (Wire ID = 4767945)	Name	N4766564

Object	Property Name	Property Value
N4766564 : N4766564 (Wire ID = 4767947)	Name	N4766564

Object	Property Name	Property Value
N4644445 : N4644445 (Wire ID = 4769477)	Name	N4644445

Object	Property Name	Property Value
N4784404 : N4784404 (Wire ID = 4784404)	Name	N4784404

Object	Property Name	Property Value
N4675741 : N4675741 (Wire ID = 4787186)	Name	N4675741

Object	Property Name	Property Value
N4766564 : N4766564 (Wire ID = 4790904)	Name	N4766564

Object	Property Name	Property Value
N4766564 : N4766564 (Wire ID = 4790906)	Name	N4766564

Object	Property Name	Property Value
N4791606 : N4791606 (Wire ID = 4791606)	Name	N4791606

Object	Property Name	Property Value
N4791606 : N4791606 (Wire ID = 4791610)	Name	N4791606

Object	Property Name	Property Value
N4784404 : N4784404 (Wire ID = 4799690)	Name	N4784404

Object	Property Name	Property Value
N4784404 : N4784404 (Wire ID = 4799694)	Name	N4784404

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4801819)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 4804064)	Name	VAA-5.0

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4806899)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N4812818 : N4812818 (Wire ID = 4812818)	Name	N4812818

Object	Property Name	Property Value
N4812818 : N4812818 (Wire ID = 4813528)	Name	N4812818

Object	Property Name	Property Value
N4812818 : N4812818 (Wire ID = 4813532)	Name	N4812818

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4818772)	Name	GND_IN

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4822559)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 4822561)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 4878868)	Name	VDDISO+5V

Object	Property Name	Property Value
VDDiso+5v : VDDISO+5V (Wire ID = 4878872)	Name	VDDISO+5V

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4879608)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
Diso : DISO (Wire ID = 4879612)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4881959)	Name	VADISO+5V

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4882700)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4882704)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 4883449)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4884193)	Name	VADISO+5V

Object	Property Name	Property Value
VADiso+5v : VADISO+5V (Wire ID = 4884195)	Name	VADISO+5V

Object	Property Name	Property Value
N3929622 : N3929622 (Wire ID = 4894969)	Name	N3929622

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 4898729)	Name	N3951627

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 4901097)	Name	N3951627

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 4901854)	Name	N3951627

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 4901856)	Name	N3951627

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 4901864)	Name	N3951627

Object	Property Name	Property Value
N3951627 : N3951627 (Wire ID = 4901868)	Name	N3951627

Object	Property Name	Property Value
N4915969 : N4915969 (Wire ID = 4915969)	Name	N4915969

Object	Property Name	Property Value
N4915969 : N4915969 (Wire ID = 4917446)	Name	N4915969

Object	Property Name	Property Value
N4918929 : N4918929 (Wire ID = 4918929)	Name	N4918929

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4921190)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4925678)	Name	GND_IN

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 4932679)	Name	VPWR+12V

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 4932681)	Name	VPWR+12V

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 4935049)	Name	VPWR+12V

Object	Property Name	Property Value
N4918929 : N4918929 (Wire ID = 4944214)	Name	N4918929

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4948688)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4949434)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4949436)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4950936)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4954897)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4955647)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 4955649)	Name	GND_IN

Object	Property Name	Property Value
N4591810 : N4591810 (Wire ID = 4958011)	RECONNTYPE	STD
	PLANELAYERS	
	ROUTELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	CONNWIDTH	7.000
	MINWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4591810
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4591810 : N4591810 (Wire ID = 4958013)	RECONNTYPE	STD
	PLANELAYERS	
	ROUTELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	CONNWIDTH	7.000
	MINWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4591810
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4958768 : N4958768 (Wire ID = 4958768)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4958768
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4958768 : N4958768 (Wire ID = 4959524)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4958768
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4958768 : N4958768 (Wire ID = 4959526)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4958768
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4960284 : N4960284 (Wire ID = 4960284)	Name	N4960284

Object	Property Name	Property Value
N4960284 : N4960284 (Wire ID = 4961043)	Name	N4960284

Object	Property Name	Property Value
N4960284 : N4960284 (Wire ID = 4961045)	Name	N4960284

Object	Property Name	Property Value
N4961806 : N4961806 (Wire ID = 4961806)	Name	N4961806

Object	Property Name	Property Value
N4961806 : N4961806 (Wire ID = 4962568)	Name	N4961806

Object	Property Name	Property Value
N4961806 : N4961806 (Wire ID = 4962570)	Name	N4961806

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4966624)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4966626)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4969704)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 4969708)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
N4604571 : N4604571 (Wire ID = 4993365)	Name	N4604571

Object	Property Name	Property Value
N4604571 : N4604571 (Wire ID = 4994124)	Name	N4604571

Object	Property Name	Property Value
N4604571 : N4604571 (Wire ID = 4994884)	Name	N4604571

Object	Property Name	Property Value
N4604571 : N4604571 (Wire ID = 4995645)	Name	N4604571

Object	Property Name	Property Value
N4604571 : N4604571 (Wire ID = 4995647)	Name	N4604571

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5000453)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5003508)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5008161)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
N4766564 : N4766564 (Wire ID = 5027849)	Name	N4766564

Object	Property Name	Property Value
N4915969 : N4915969 (Wire ID = 5040971)	Name	N4915969

Object	Property Name	Property Value
N4918929 : N4918929 (Wire ID = 5053735)	Name	N4918929

Object	Property Name	Property Value
N5054498 : N5054498 (Wire ID = 5054498)	Name	N5054498

Object	Property Name	Property Value
N4046983 : N4046983 (Wire ID = 5056132)	Name	N4046983

Object	Property Name	Property Value
N5056897 : N5056897 (Wire ID = 5056897)	Name	N5056897

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 5067172)	Name	VPWR+12V

Object	Property Name	Property Value
Vpwr+12v : VPWR+12V (Wire ID = 5068081)	Name	VPWR+12V

Object	Property Name	Property Value
N5075483 : N5075483 (Wire ID = 5075483)	Name	N5075483

Object	Property Name	Property Value
N5075483 : N5075483 (Wire ID = 5076251)	Name	N5075483

Object	Property Name	Property Value
N5077020 : N5077020 (Wire ID = 5077020)	Name	N5077020

Object	Property Name	Property Value
N5077020 : N5077020 (Wire ID = 5077790)	Name	N5077020

Object	Property Name	Property Value
N5092159 : N5092159 (Wire ID = 5092159)	Name	N5092159

Object	Property Name	Property Value
N5092159 : N5092159 (Wire ID = 5092931)	Name	N5092159

Object	Property Name	Property Value
N5092159 : N5092159 (Wire ID = 5092933)	Name	N5092159

Object	Property Name	Property Value
N5092159 : N5092159 (Wire ID = 5093707)	Name	N5092159

Object	Property Name	Property Value
N5092159 : N5092159 (Wire ID = 5093709)	Name	N5092159

Object	Property Name	Property Value
N5094487 : N5094487 (Wire ID = 5094487)	Name	N5094487

Object	Property Name	Property Value
N5094487 : N5094487 (Wire ID = 5095264)	Name	N5094487

Object	Property Name	Property Value
N5094487 : N5094487 (Wire ID = 5095266)	Name	N5094487

Object	Property Name	Property Value
N5094487 : N5094487 (Wire ID = 5096045)	Name	N5094487

Object	Property Name	Property Value
N5094487 : N5094487 (Wire ID = 5096047)	Name	N5094487

Object	Property Name	Property Value
N5092159 : N5092159 (Wire ID = 5119450)	Name	N5092159

Object	Property Name	Property Value
N5126591 : N5126591 (Wire ID = 5126591)	Name	N5126591

Object	Property Name	Property Value
N5126591 : N5126591 (Wire ID = 5128953)	Name	N5126591

Object	Property Name	Property Value
N5126591 : N5126591 (Wire ID = 5128961)	Name	N5126591

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5131439)	Name	VAA-5.0

Object	Property Name	Property Value
N5133123 : N5133123 (Wire ID = 5133123)	Name	N5133123

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5138641)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5138643)	Name	VAA-5.0

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5139435)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5139437)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N5094487 : N5094487 (Wire ID = 5142767)	Name	N5094487

Object	Property Name	Property Value
N5077020 : N5077020 (Wire ID = 5143562)	Name	N5077020

Object	Property Name	Property Value
N5077020 : N5077020 (Wire ID = 5143564)	Name	N5077020

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5145165)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5154920)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5154924)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N5154928 : N5154928 (Wire ID = 5154928)	Name	N5154928

Object	Property Name	Property Value
N5154928 : N5154928 (Wire ID = 5154980)	Name	N5154928

Object	Property Name	Property Value
N5154928 : N5154928 (Wire ID = 5154984)	Name	N5154928

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5155004)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5155024)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5155028)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N5155032 : N5155032 (Wire ID = 5155032)	Name	N5155032

Object	Property Name	Property Value
N5075483 : N5075483 (Wire ID = 5155036)	Name	N5075483

Object	Property Name	Property Value
N5075483 : N5075483 (Wire ID = 5155040)	Name	N5075483

Object	Property Name	Property Value
N5155060 : N5155060 (Wire ID = 5155060)	Name	N5155060

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5155072)	Name	VAA-5.0

Object	Property Name	Property Value
N5155060 : N5155060 (Wire ID = 5155076)	Name	N5155060

Object	Property Name	Property Value
N5155060 : N5155060 (Wire ID = 5155080)	Name	N5155060

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5155084)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N5155060 : N5155060 (Wire ID = 5155088)	Name	N5155060

Object	Property Name	Property Value
N5155060 : N5155060 (Wire ID = 5155092)	Name	N5155060

Object	Property Name	Property Value
N5155060 : N5155060 (Wire ID = 5155096)	Name	N5155060

Object	Property Name	Property Value
N5155100 : N5155100 (Wire ID = 5155100)	Name	N5155100

Object	Property Name	Property Value
N5155032 : N5155032 (Wire ID = 5155104)	Name	N5155032

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5155108)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5155112)	Name	VAA-5.0

Object	Property Name	Property Value
N5155032 : N5155032 (Wire ID = 5155120)	Name	N5155032

Object	Property Name	Property Value
N5155032 : N5155032 (Wire ID = 5155124)	Name	N5155032

Object	Property Name	Property Value
N5155032 : N5155032 (Wire ID = 5155128)	Name	N5155032

Object	Property Name	Property Value
N5155032 : N5155032 (Wire ID = 5155132)	Name	N5155032

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5155214)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5155218)	Name	VAA-5.0

Object	Property Name	Property Value
N5077020 : N5077020 (Wire ID = 5162759)	Name	N5077020

Object	Property Name	Property Value
N5077020 : N5077020 (Wire ID = 5162761)	Name	N5077020

Object	Property Name	Property Value
N5075483 : N5075483 (Wire ID = 5165236)	Name	N5075483

Object	Property Name	Property Value
N5075483 : N5075483 (Wire ID = 5165238)	Name	N5075483

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5168685)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5169511)	Name	VAA-5.0

Object	Property Name	Property Value
N5180754 : N5180754 (Wire ID = 5180754)	Name	N5180754

Object	Property Name	Property Value
N5180754 : N5180754 (Wire ID = 5181583)	Name	N5180754

Object	Property Name	Property Value
N5180754 : N5180754 (Wire ID = 5181585)	Name	N5180754

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 5184101)	Name	GND_IN

Object	Property Name	Property Value
N5180754 : N5180754 (Wire ID = 5188384)	Name	N5180754

Object	Property Name	Property Value
N5180754 : N5180754 (Wire ID = 5189216)	Name	N5180754

Object	Property Name	Property Value
N5190053 : N5190053 (Wire ID = 5190053)	Name	N5190053

Object	Property Name	Property Value
N5190053 : N5190053 (Wire ID = 5190887)	Name	N5190053

Object	Property Name	Property Value
N5190053 : N5190053 (Wire ID = 5191722)	Name	N5190053

Object	Property Name	Property Value
N5190053 : N5190053 (Wire ID = 5192558)	Name	N5190053

Object	Property Name	Property Value
N5190053 : N5190053 (Wire ID = 5195072)	Name	N5190053

Object	Property Name	Property Value
N5190053 : N5190053 (Wire ID = 5195074)	Name	N5190053

Object	Property Name	Property Value
N4766564 : N4766564 (Wire ID = 5209180)	Name	N4766564

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5212589)	Name	VAA-5.0

Object	Property Name	Property Value
VAA-5.0 : VAA-5.0 (Wire ID = 5212591)	Name	VAA-5.0

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5214273)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5214277)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N5229534 : N5229534 (Wire ID = 5229534)	Name	N5229534

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5229538)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N5229534 : N5229534 (Wire ID = 5229542)	Name	N5229534

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5229586)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5229590)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N5229534 : N5229534 (Wire ID = 5233976)	Name	N5229534

Object	Property Name	Property Value
N5229534 : N5229534 (Wire ID = 5234822)	Name	N5229534

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5240055)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5240059)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5240909)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N4035940 : N4035940 (Wire ID = 5245415)	Name	N4035940

Object	Property Name	Property Value
N4035940 : N4035940 (Wire ID = 5246269)	Name	N4035940

Object	Property Name	Property Value
N4035940 : N4035940 (Wire ID = 5247985)	Name	N4035940

Object	Property Name	Property Value
N5229534 : N5229534 (Wire ID = 5251544)	Name	N5229534

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 5257562)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 5257564)	Name	N650372

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5258417)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5258419)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5259274)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 5260130)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 5261968)	Name	N650372

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5263705)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5279501)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5279505)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 5280362)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 5280366)	Name	N650372

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5281225)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
AVss : AVSS (Wire ID = 5281229)	NODENAME	AVss
	Name	AVSS

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 5282090)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 5282094)	Name	N650372

Object	Property Name	Property Value
N4547577 : N4547577 (Wire ID = 5292492)	Name	N4547577

Object	Property Name	Property Value
N4958768 : N4958768 (Wire ID = 5306746)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4958768
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4958768 : N4958768 (Wire ID = 5306750)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4958768
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 5307609)	Name	GND_IN

Object	Property Name	Property Value
GND_IN : GND_IN (Wire ID = 5308469)	Name	GND_IN

Object	Property Name	Property Value
N4591810 : N4591810 (Wire ID = 5309330)	RECONNTYPE	STD
	PLANELAYERS	
	ROUTELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	CONNWIDTH	7.000
	MINWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4591810
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4591810 : N4591810 (Wire ID = 5309334)	RECONNTYPE	STD
	PLANELAYERS	
	ROUTELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	CONNWIDTH	7.000
	MINWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4591810
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4958768 : N4958768 (Wire ID = 5311328)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4958768
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4958768 : N4958768 (Wire ID = 5311336)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4958768
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4591810 : N4591810 (Wire ID = 5313218)	RECONNTYPE	STD
	PLANELAYERS	
	ROUTELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	CONNWIDTH	7.000
	MINWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N4591810
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
N4545263 : N4545263 (Wire ID = 5319501)	Name	N4545263

Object	Property Name	Property Value
N5333508 : N5333508 (Wire ID = 5333508)	Name	N5333508

Object	Property Name	Property Value
N5333508 : N5333508 (Wire ID = 5334376)	Name	N5333508

Object	Property Name	Property Value
N5333508 : N5333508 (Wire ID = 5334378)	Name	N5333508

Object	Property Name	Property Value
N5335248 : N5335248 (Wire ID = 5335248)	Name	N5335248

Object	Property Name	Property Value
N5335248 : N5335248 (Wire ID = 5336119)	Name	N5335248

Object	Property Name	Property Value
N5335248 : N5335248 (Wire ID = 5336121)	Name	N5335248

Object	Property Name	Property Value
N5336994 : N5336994 (Wire ID = 5336994)	Name	N5336994

Object	Property Name	Property Value
N5336994 : N5336994 (Wire ID = 5337868)	Name	N5336994

Object	Property Name	Property Value
N5336994 : N5336994 (Wire ID = 5337870)	Name	N5336994

Object	Property Name	Property Value
N5338746 : N5338746 (Wire ID = 5338746)	Name	N5338746

Object	Property Name	Property Value
N5338746 : N5338746 (Wire ID = 5339623)	Name	N5338746

Object	Property Name	Property Value
N5338746 : N5338746 (Wire ID = 5339625)	Name	N5338746

Object	Property Name	Property Value
N5345046 : N5345046 (Wire ID = 5345046)	Name	N5345046

Object	Property Name	Property Value
N5345046 : N5345046 (Wire ID = 5345926)	Name	N5345046

Object	Property Name	Property Value
N5345046 : N5345046 (Wire ID = 5345928)	Name	N5345046

Object	Property Name	Property Value
N5346810 : N5346810 (Wire ID = 5346810)	Name	N5346810

Object	Property Name	Property Value
N5346810 : N5346810 (Wire ID = 5347693)	Name	N5346810

Object	Property Name	Property Value
N5346810 : N5346810 (Wire ID = 5347695)	Name	N5346810

Object	Property Name	Property Value
N5348580 : N5348580 (Wire ID = 5348580)	Name	N5348580

Object	Property Name	Property Value
N5348580 : N5348580 (Wire ID = 5349466)	Name	N5348580

Object	Property Name	Property Value
N5348580 : N5348580 (Wire ID = 5350353)	Name	N5348580

Object	Property Name	Property Value
N5351241 : N5351241 (Wire ID = 5351241)	Name	N5351241

Object	Property Name	Property Value
N5351241 : N5351241 (Wire ID = 5352130)	Name	N5351241

Object	Property Name	Property Value
N5351241 : N5351241 (Wire ID = 5352132)	Name	N5351241

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5365167)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
GND : GND (Wire ID = 5366058)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 5371571)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 5371573)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5372470)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
GND : GND (Wire ID = 5375295)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 5375297)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 5376193)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5379927)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
R/B : R/B (Wire ID = 5410111)	Name	R/B

Object	Property Name	Property Value
R/B : R/B (Wire ID = 5411017)	Name	R/B

Object	Property Name	Property Value
R/B : R/B (Wire ID = 5411019)	Name	R/B

Object	Property Name	Property Value
CLE : CLE (Wire ID = 5411926)	Name	CLE

Object	Property Name	Property Value
ALE : ALE (Wire ID = 5412833)	Name	ALE

Object	Property Name	Property Value
WE : WE (Wire ID = 5413740)	Name	WE

Object	Property Name	Property Value
RE : RE (Wire ID = 5414647)	Name	RE

Object	Property Name	Property Value
CE : CE (Wire ID = 5415554)	Name	CE

Object	Property Name	Property Value
R/B : R/B (Wire ID = 5440487)	Name	R/B

Object	Property Name	Property Value
RE : RE (Wire ID = 5441395)	Name	RE

Object	Property Name	Property Value
CE : CE (Wire ID = 5442304)	Name	CE

Object	Property Name	Property Value
CLE : CLE (Wire ID = 5443214)	Name	CLE

Object	Property Name	Property Value
ALE : ALE (Wire ID = 5444125)	Name	ALE

Object	Property Name	Property Value
WE : WE (Wire ID = 5445037)	Name	WE

Object	Property Name	Property Value
CE2 : CE2 (Wire ID = 5453268)	Name	CE2

Object	Property Name	Property Value
R/B2 : R/B2 (Wire ID = 5454183)	Name	R/B2

Object	Property Name	Property Value
R/B2 : R/B2 (Wire ID = 5461655)	Name	R/B2

Object	Property Name	Property Value
CE2 : CE2 (Wire ID = 5462571)	Name	CE2

Object	Property Name	Property Value
N5464828 : N5464828 (Wire ID = 5464828)	Name	N5464828

Object	Property Name	Property Value
N5464828 : N5464828 (Wire ID = 5465746)	Name	N5464828

Object	Property Name	Property Value
N5466665 : N5466665 (Wire ID = 5466665)	Name	N5466665

Object	Property Name	Property Value
N5466665 : N5466665 (Wire ID = 5466667)	Name	N5466665

Object	Property Name	Property Value
N5476004 : N5476004 (Wire ID = 5476004)	Name	N5476004

Object	Property Name	Property Value
N5476004 : N5476004 (Wire ID = 5476006)	Name	N5476004

Object	Property Name	Property Value
N5476930 : N5476930 (Wire ID = 5476930)	Name	N5476930

Object	Property Name	Property Value
N5476930 : N5476930 (Wire ID = 5477855)	Name	N5476930

Object	Property Name	Property Value
N5476930 : N5476930 (Wire ID = 5477857)	Name	N5476930

Object	Property Name	Property Value
GND : GND (Wire ID = 5485493)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5495853)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5501735)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
N5526553 : N5526553 (Wire ID = 5526553)	Name	N5526553

Object	Property Name	Property Value
N3926648 : N3926648 (Wire ID = 5527311)	Name	N3926648

Object	Property Name	Property Value
N3927784 : N3927784 (Wire ID = 5528070)	Name	N3927784

Object	Property Name	Property Value
N3929622 : N3929622 (Wire ID = 5528830)	Name	N3929622

Object	Property Name	Property Value
N4046983 : N4046983 (Wire ID = 5531300)	Name	N4046983

Object	Property Name	Property Value
N4046983 : N4046983 (Wire ID = 5531304)	Name	N4046983

Object	Property Name	Property Value
N5526553 : N5526553 (Wire ID = 5542270)	Name	N5526553

Object	Property Name	Property Value
N5526553 : N5526553 (Wire ID = 5542274)	Name	N5526553

Object	Property Name	Property Value
N3916531 : N3916531 (Wire ID = 5543036)	Name	N3916531

Object	Property Name	Property Value
N3916531 : N3916531 (Wire ID = 5547198)	Name	N3916531

Object	Property Name	Property Value
N4046983 : N4046983 (Wire ID = 5547964)	Name	N4046983

Object	Property Name	Property Value
N3916531 : N3916531 (Wire ID = 5548729)	Name	N3916531

Object	Property Name	Property Value
N3927784 : N3927784 (Wire ID = 5549495)	Name	N3927784

Object	Property Name	Property Value
N3927784 : N3927784 (Wire ID = 5551976)	Name	N3927784

Object	Property Name	Property Value
Diso : DISO (Wire ID = 5558598)	NODENAME	Diso
	Name	DISO

Object	Property Name	Property Value
N4434651 : N4434651 (Wire ID = 5562588)	Name	N4434651

Object	Property Name	Property Value
N4434651 : N4434651 (Wire ID = 5563357)	Name	N4434651

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 5564130)	Name	N4284271

Object	Property Name	Property Value
N4284271 : N4284271 (Wire ID = 5564902)	Name	N4284271

Object	Property Name	Property Value
N4434651 : N4434651 (Wire ID = 5570450)	Name	N4434651

Object	Property Name	Property Value
0 : 0 (Wire ID = 5576171)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 5576173)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 5576947)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 5576949)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 5577725)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 5577727)	Name	0

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 5580206)	Name	VAAISO-

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 5580983)	Name	VAAISO-

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 5581761)	Name	VAAISO-

Object	Property Name	Property Value
VAAiso+ : VAAISO+ (Wire ID = 5582543)	Name	VAAISO+

Object	Property Name	Property Value
VAAIso+ : VAAISO+ (Wire ID = 5582545)	Name	VAAISO+

Object	Property Name	Property Value
VAAIso- : VAAISO- (Wire ID = 5593179)	Name	VAAISO-

Object	Property Name	Property Value
0 : 0 (Wire ID = 5593959)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 5593963)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 5595680)	Name	0

Object	Property Name	Property Value
0 : 0 (Wire ID = 5595684)	Name	0

Object	Property Name	Property Value
N5660251 : N5660251 (Wire ID = 5660251)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	10.000
	CONNWIDTH	10.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N5660251
	VIAPERNET	
	MAXWIDTH	50.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5660255)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5660275)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 5660279)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
N5660331 : N5660331 (Wire ID = 5660331)	Name	N5660331

Object	Property Name	Property Value
GND : GND (Wire ID = 5660339)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 5660343)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 5660367)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 5660403)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 5660407)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 5660451)	Name	GND

Object	Property Name	Property Value
N5660251 : N5660251 (Wire ID = 5678821)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	10.000
	CONNWIDTH	10.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N5660251
	VIAPERNET	
	MAXWIDTH	50.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
GND : GND (Wire ID = 5685796)	Name	GND

Object	Property Name	Property Value
N5687563 : N5687563 (Wire ID = 5687563)	Name	N5687563

Object	Property Name	Property Value
N641730 : N641730 (Wire ID = 5689963)	Name	N641730

Object	Property Name	Property Value
N641730 : N641730 (Wire ID = 5690765)	Name	N641730

Object	Property Name	Property Value
N641730 : N641730 (Wire ID = 5690767)	Name	N641730

Object	Property Name	Property Value
N5687563 : N5687563 (Wire ID = 5695782)	Name	N5687563

Object	Property Name	Property Value
N641730 : N641730 (Wire ID = 5700797)	Name	N641730

Object	Property Name	Property Value
N5687563 : N5687563 (Wire ID = 5701603)	Name	N5687563

Object	Property Name	Property Value
GND : GND (Wire ID = 5860574)	Name	GND

Object	Property Name	Property Value
N576268 : N576268 (Wire ID = 5864008)	RECONNTYPE	STD
	ROUTELAYERS	
	PLANELAYERS	
	NETGROUP	0
	HIGHLIGHT	NO
	MINWIDTH	7.000
	CONNWIDTH	7.000
	WIDTHBYLAYER	
	NETWEIGHT	50
	Name	N576268
	VIAPERNET	
	MAXWIDTH	7.000
	SPACINGBYLAYER	
	TESTPOINT	NO

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 6003542)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
GND : GND (Wire ID = 6006321)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 6006323)	Name	GND

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 6008297)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
VDD-3.3 : VDD-3.3 (Wire ID = 6008299)	ROUTELAYERS	
	PLANELAYERS	
	WIDTHBYLAYER	
	Name	VDD-3.3
	VIAPERNET	
	SPACINGBYLAYER	

Object	Property Name	Property Value
GND_EARTH : GND_EARTH (Wire ID = 6059763)	Name	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_2-1 : GND_EARTH_2-1 (Wire ID = 6074386)	Name	GND_EARTH_2-1

Object	Property Name	Property Value
GND_EARTH_2-1 : GND_EARTH_2-1 (Wire ID = 6075558)	Name	GND_EARTH_2-1

Object	Property Name	Property Value
GND_EARTH : GND_EARTH (Wire ID = 6079188)	Name	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_2-1 : GND_EARTH_2-1 (Wire ID = 6090822)	Name	GND_EARTH_2-1

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 6102167)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 6102169)	Name	N650372

Object	Property Name	Property Value
GND : GND (Wire ID = 6103189)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 6103191)	Name	GND

Object	Property Name	Property Value
N6105874 : N6105874 (Wire ID = 6105874)	Name	N6105874

Object	Property Name	Property Value
N6107743 : N6107743 (Wire ID = 6107743)	Name	N6107743

Object	Property Name	Property Value
N6107743 : N6107743 (Wire ID = 6107745)	Name	N6107743

Object	Property Name	Property Value
GND : GND (Wire ID = 6108773)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 6108775)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 6110634)	Name	GND

Object	Property Name	Property Value
N6107743 : N6107743 (Wire ID = 6111666)	Name	N6107743

Object	Property Name	Property Value
N6107743 : N6107743 (Wire ID = 6112698)	Name	N6107743

Object	Property Name	Property Value
N6107743 : N6107743 (Wire ID = 6115594)	Name	N6107743

Object	Property Name	Property Value
N6107743 : N6107743 (Wire ID = 6116630)	Name	N6107743

Object	Property Name	Property Value
N6107743 : N6107743 (Wire ID = 6117665)	Name	N6107743

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 6122068)	Name	N4310951

Object	Property Name	Property Value
N4310951 : N4310951 (Wire ID = 6122072)	Name	N4310951

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 6123952)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 6124990)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 6124992)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
N4434651 : N4434651 (Wire ID = 6126867)	Name	N4434651

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 6132135)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
ADiso : ADISO (Wire ID = 6132973)	NODENAME	ADiso
	Name	ADISO

Object	Property Name	Property Value
N5687563 : N5687563 (Wire ID = 6133839)	Name	N5687563

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 6134678)	Name	N4642476

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 6135724)	Name	N4642476

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 6136771)	Name	N4642476

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 6137819)	Name	N4642476

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 6138868)	Name	N4642476

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 6139918)	Name	N4642476

Object	Property Name	Property Value
N4642476 : N4642476 (Wire ID = 6139920)	Name	N4642476

Object	Property Name	Property Value
GND : GND (Wire ID = 6142663)	Name	GND

Object	Property Name	Property Value
R/B : R/B (Wire ID = 6144773)	Name	R/B

Object	Property Name	Property Value
GND : GND (Wire ID = 6154535)	Name	GND

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 6171332)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 6172386)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 6172388)	Name	N650372

Object	Property Name	Property Value
N6181942 : N6181942 (Wire ID = 6181942)	Name	N6181942

Object	Property Name	Property Value
GND : GND (Wire ID = 6192480)	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 6192482)	Name	GND

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 6201953)	Name	VAAISO-

Object	Property Name	Property Value
VAAiso- : VAAISO- (Wire ID = 6201955)	Name	VAAISO-

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 6222892)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 6223955)	Name	N650372

Object	Property Name	Property Value
N650372 : N650372 (Wire ID = 6223957)	Name	N650372

Object	Property Name	Property Value
N672382 : N672382 (Wire ID = 6225427)	Name	N672382

Object	Property Name	Property Value
N672382 : N672382 (Wire ID = 6225431)	Name	N672382

Object	Property Name	Property Value
N5190053 : N5190053 (Wire ID = 6238414)	Name	N5190053

Object	Property Name	Property Value
N5180754 : N5180754 (Wire ID = 6244830)	Name	N5180754

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
Viso+12v	Name	Viso+12v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
Vpwr+12v	Name	Vpwr+12v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
Diso	NODENAME	Diso
	Name	Diso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VDDiso+5v	Name	VDDiso+5v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
Diso	NODENAME	Diso
	Name	Diso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VDDiso+5v	Name	VDDiso+5v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
0	Name	0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VAAiso+	Name	VAAiso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VAAiso-	Name	VAAiso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VDDiso+5v	Name	VDDiso+5v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
Diso	NODENAME	Diso
	Name	Diso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
0	Name	0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
0	Name	0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VADiso+5v	Name	VADiso+5v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VADiso+5v	Name	VADiso+5v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VADiso+5v	Name	VADiso+5v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VADiso+5v	Name	VADiso+5v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VADiso+5v	Name	VADiso+5v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VADiso+5v	Name	VADiso+5v
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VAA-5.0	Name	VAA-5.0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VAA-5.0	Name	VAA-5.0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VAA-5.0	Name	VAA-5.0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VAA-5.0	Name	VAA-5.0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VAA-5.0	Name	VAA-5.0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VAA-5.0	Name	VAA-5.0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VAA-5.0	Name	VAA-5.0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
AVss	NODENAME	AVss
	Name	AVss
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VAAiso+	Name	VAAiso+
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VAAiso-	Name	VAAiso-
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
0	Name	0
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	NODENAME	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND_IN	Name	GND_IN
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND_IN	Name	GND_IN
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND_IN	Name	GND_IN
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND_IN	Name	GND_IN
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND_IN	Name	GND_IN
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND_IN	Name	GND_IN
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND_IN	Name	GND_IN
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND_EARTH	Name	GND_EARTH
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
GND_EARTH_2-1	Name	GND_EARTH_2-1
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
ADiso	NODENAME	ADiso
	Name	ADiso
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	0
	PSpiceOnly	TRUE

Object	Property Name	Property Value
VDD-3.3	Name	VDD-3.3
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	VCC_BAR

Object	Property Name	Property Value
CE :	Name	CE
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-R

Object	Property Name	Property Value
RE :	Name	RE
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-R

Object	Property Name	Property Value
WE :	Name	WE
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-R

Object	Property Name	Property Value
ALE :	Name	ALE
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-R

Object	Property Name	Property Value
CLE :	Name	CLE
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-R

Object	Property Name	Property Value
R/B :	Name	R/B
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-R

Object	Property Name	Property Value
WE :	Name	WE
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-L

Object	Property Name	Property Value
ALE :	Name	ALE
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-L

Object	Property Name	Property Value
CLE :	Name	CLE
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-L

Object	Property Name	Property Value
CE :	Name	CE
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-L

Object	Property Name	Property Value
RE :	Name	RE
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-L

Object	Property Name	Property Value
R/B :	Name	R/B
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-L

Object	Property Name	Property Value
CE2 :	Name	CE2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-R

Object	Property Name	Property Value
R/B2 :	Name	R/B2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-R

Object	Property Name	Property Value
CE2 :	Name	CE2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-L

Object	Property Name	Property Value
R/B2 :	Name	R/B2
	Source Library	C:\ORCAD\ORCAD_15.7\TOOLS\CAPTURE\LIBRARY\ICAPSYM.OLB
	Source Symbol	OFFPAGELEFT-L

Object	Property Name	Property Value
TitleBlock0 : TitleBlock0	Path Name	TitleBlock0
	Schematic Path	/
	ID	539
	Page Count	4
	Page Number	4
	Title	High Resolution pH Meter Thom Maughan
	RevCode	1.2
	Cage Code	
	OrgName	
	OrgAddr1	
	OrgAddr2	
	OrgAddr3	
	OrgAddr4	
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	Name	TitleBlock0
	Design Name	PH_METER
	Design File Name	C:\USERS\JROSALI\APPDATA\ROAMING\SPB_DATA\CDSETUP\WORKSP
	Design Create Date	Thursday, August 21, 2008
	Design Modify Date	Tuesday, April 08, 2025
	Design Create Time	10:49:25
	Design Modify Time	09:35:36
	Schematic Name	SCHEMATIC1
	Schematic Create Date	Thursday, August 21, 2008
	Schematic Modify Date	Tuesday, April 08, 2025
	Schematic Create Time	10:49:26
	Schematic Modify Time	09:35:38
	Schematic Page Count	0
	Schematic Page Number	0
	Page Size	D
	Page Create Date	Friday, September 12, 2008
	Page Modify Date	Tuesday, April 08, 2025
	Page Create Time	10:34:45
	Page Modify Time	09:35:36
	Source Library	C:\ORCADIORCAD_15.7\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	TitleBlock0
	Page Name	ph Meter

Object	Property Name	Property Value
INS6133821 : R117	Name	INS6133821
	ID	2771
	Reference	R117
	Designator	
	Part Reference	R117
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC2013X60N_0805
	GROUP	3
	FPLIST	RESC3216X70N_1206
	COMPSIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R117/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4642476
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R117/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5687563
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6262394 : C31	Name	INS6262394
	ID	2798
	Reference	C31
	Designator	
	Part Reference	C31
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	CAPC2013X130N_0805

Object	Property Name	Property Value
1 : C31/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5155100
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C31/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5180754
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS611436 : U6	Name	INS611436
	ID	566
	Reference	U6
	Designator	
	Part Reference	U6
	Value	FSM1D Iso Pwr Conv
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	V-INFINITY_VAT1
	GROUP	3
	COMPGROUP	3

Object	Property Name	Property Value
+Vin : U6/+Vin	Name	+Vin
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	Vpwr+12v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
+Vout : U6/+Vout	Name	+Vout
	Number	7
	Swap Id	-1
	Type	Input
	Net Name	N5526553
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
-Vin : U6/-Vin	Name	-Vin
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
COM : U6/COM	Name	COM
	Number	4
	Swap Id	-1
	Type	Input
	Net Name	N3916531
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
NC : U6/NC	Name	NC
	Number	10
	Swap Id	-1
	Type	Input
	Net Name	
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
-Vout : U6/-Vout	Name	-Vout
	Number	5
	Swap Id	-1
	Type	Output
	Net Name	N3927784
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
INS628289 : U14	Name	INS628289
	ID	794
	Reference	U14
	Designator	
	Part Reference	U14
	Value	MSP430F2618
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	QFP50P1200X1200X160-64N

Object	Property Name	Property Value
DVcc1 : U14/DVcc1	Name	DVcc1
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
P6.3 : U14/P6.3	Name	P6.3
	Number	2
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
P6.4 : U14/P6.4	Name	P6.4
	Number	3
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
P6.5 / DAC1 : U14/P6.5 / DAC1	Name	P6.5 / DAC1
	Number	4
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
P6.6 / DAC0 : U14/P6.6 / DAC0	Name	P6.6 / DAC0
	Number	5
	Swap Id	-1
	Type	Output
	Net Name	
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
P6.7 / DAC1 : U14/P6.7 / DAC1	Name	P6.7 / DAC1
	Number	6
	Swap Id	-1
	Type	Bidirectional
	Net Name	N4644445
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
Vref+ : U14/Vref+	Name	Vref+
	Number	7
	Swap Id	-1
	Type	Input
	Net Name	N652855
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
XIN : U14/XIN	Name	XIN
	Number	8
	Swap Id	-1
	Type	Input
	Net Name	N641730
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
XOUT : U14/XOUT	Name	XOUT
	Number	9
	Swap Id	-1
	Type	Output
	Net Name	N641848
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
Veref+ / Dac0 : U14/Veref+ / Dac0	Name	Veref+ / Dac0
	Number	10
	Swap Id	-1
	Type	Bidirectional
	Net Name	N650372
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
Vref- / Veref- : U14/Vref- / Veref-	Name	Vref- / Veref-
	Number	11
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5229534
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
P1.0 : U14/P1.0	Name	P1.0
	Number	12
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
P1.1 : U14/P1.1	Name	P1.1
	Number	13
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
P1.2 : U14/P1.2	Name	P1.2
	Number	14
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
P3.7 / RXD1 / 1SOMI : U14/P3.7 / RXD1 / 1SOMI	Name	P3.7 / RXD1 / 1SOMI
	Number	35
	Swap Id	-1
	Type	Bidirectional
	Net Name	N4542385
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
P4.0 : U14/P4.0	Name	P4.0
	Number	36
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5333508
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
P4.1 : U14/P4.1	Name	P4.1
	Number	37
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5335248
	Order	16
	Is No Connect	False

Object	Property Name	Property Value
P4.2 : U14/P4.2	Name	P4.2
	Number	38
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5336994
	Order	17
	Is No Connect	False

Object	Property Name	Property Value
P4.3 : U14/P4.3	Name	P4.3
	Number	39
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5338746
	Order	18
	Is No Connect	False

Object	Property Name	Property Value
P4.4 : U14/P4.4	Name	P4.4
	Number	40
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5345046
	Order	19
	Is No Connect	False

Object	Property Name	Property Value
P4.5 : U14/P4.5	Name	P4.5
	Number	41
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5346810
	Order	20
	Is No Connect	False

Object	Property Name	Property Value
P4.6 : U14/P4.6	Name	P4.6
	Number	42
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5348580
	Order	21
	Is No Connect	False

Object	Property Name	Property Value
P4.7 : U14/P4.7	Name	P4.7
	Number	43
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5351241
	Order	22
	Is No Connect	False

Object	Property Name	Property Value
P5.0 : U14/P5.0	Name	P5.0
	Number	44
	Swap Id	-1
	Type	Bidirectional
	Net Name	CE
	Order	23
	Is No Connect	False

Object	Property Name	Property Value
P5.1 : U14/P5.1	Name	P5.1
	Number	45
	Swap Id	-1
	Type	Bidirectional
	Net Name	RE
	Order	24
	Is No Connect	False

Object	Property Name	Property Value
P5.2 : U14/P5.2	Name	P5.2
	Number	46
	Swap Id	-1
	Type	Bidirectional
	Net Name	WE
	Order	25
	Is No Connect	False

Object	Property Name	Property Value
P5.4 : U14/P5.4	Name	P5.4
	Number	48
	Swap Id	-1
	Type	Bidirectional
	Net Name	CLE
	Order	26
	Is No Connect	False

Object	Property Name	Property Value
AVcc : U14/AVcc	Name	AVcc
	Number	64
	Swap Id	-1
	Type	Input
	Net Name	N650372
	Order	27
	Is No Connect	False

Object	Property Name	Property Value
P1.3 : U14/P1.3	Name	P1.3
	Number	15
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	28
	Is No Connect	False

Object	Property Name	Property Value
P1.4 / SMCLK : U14/P1.4 / SMCLK	Name	P1.4 / SMCLK
	Number	16
	Swap Id	-1
	Type	Bidirectional
	Net Name	N4035940
	Order	29
	Is No Connect	False

Object	Property Name	Property Value
P3.6 / TXD1 / 1SIMO : U14/P3.6 / TXD1 / 1SIMO	Name	P3.6 / TXD1 / 1SIMO
	Number	34
	Swap Id	-1
	Type	Bidirectional
	Net Name	N4545263
	Order	30
	Is No Connect	False

Object	Property Name	Property Value
P3.5 / RXD0 / 0SOMI : U14/P3.5 / RXD0 / 0SOMI	Name	P3.5 / RXD0 / 0SOMI
	Number	33
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5464828
	Order	31
	Is No Connect	False

Object	Property Name	Property Value
P5.3 : U14/P5.3	Name	P5.3
	Number	47
	Swap Id	-1
	Type	Bidirectional
	Net Name	ALE
	Order	32
	Is No Connect	False

Object	Property Name	Property Value
DVss1 : U14/DVss1	Name	DVss1
	Number	63
	Swap Id	-1
	Type	Input
	Net Name	GND
	Order	33
	Is No Connect	False

Object	Property Name	Property Value
AVss : U14/AVss	Name	AVss
	Number	62
	Swap Id	-1
	Type	Input
	Net Name	AVss
	Order	34
	Is No Connect	False

Object	Property Name	Property Value
P6.2 : U14/P6.2	Name	P6.2
	Number	61
	Swap Id	-1
	Type	Bidirectional
	Net Name	N6107743
	Order	35
	Is No Connect	False

Object	Property Name	Property Value
P6.1 : U14/P6.1	Name	P6.1
	Number	60
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5077020
	Order	36
	Is No Connect	False

Object	Property Name	Property Value
P6.0 : U14/P6.0	Name	P6.0
	Number	59
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5075483
	Order	37
	Is No Connect	False

Object	Property Name	Property Value
~RST / NMI : U14/~RST / NMI	Name	~RST / NMI
	Number	58
	Swap Id	-1
	Type	Input
	Net Name	N576268
	Order	38
	Is No Connect	False

Object	Property Name	Property Value
TCK : U14/TCK	Name	TCK
	Number	57
	Swap Id	-1
	Type	Bidirectional
	Net Name	N644657
	Order	39
	Is No Connect	False

Object	Property Name	Property Value
TMS : U14/TMS	Name	TMS
	Number	56
	Swap Id	-1
	Type	Bidirectional
	Net Name	N644437
	Order	40
	Is No Connect	False

Object	Property Name	Property Value
TDI / TCLK : U14/TDI / TCLK	Name	TDI / TCLK
	Number	55
	Swap Id	-1
	Type	Bidirectional
	Net Name	N644328
	Order	41
	Is No Connect	False

Object	Property Name	Property Value
TDO / TDI : U14/TDO / TDI	Name	TDO / TDI
	Number	54
	Swap Id	-1
	Type	Bidirectional
	Net Name	N630808
	Order	42
	Is No Connect	False

Object	Property Name	Property Value
XT2IN : U14/XT2IN	Name	XT2IN
	Number	53
	Swap Id	-1
	Type	Input
	Net Name	N4642476
	Order	43
	Is No Connect	False

Object	Property Name	Property Value
XT2OUT : U14/XT2OUT	Name	XT2OUT
	Number	52
	Swap Id	-1
	Type	Output
	Net Name	
	Order	44
	Is No Connect	False

Object	Property Name	Property Value
P5.7 : U14/P5.7	Name	P5.7
	Number	51
	Swap Id	-1
	Type	Bidirectional
	Net Name	R/B
	Order	45
	Is No Connect	False

Object	Property Name	Property Value
P5.6 : U14/P5.6	Name	P5.6
	Number	50
	Swap Id	-1
	Type	Bidirectional
	Net Name	N4504311
	Order	46
	Is No Connect	False

Object	Property Name	Property Value
P5.5 : U14/P5.5	Name	P5.5
	Number	49
	Swap Id	-1
	Type	Bidirectional
	Net Name	N4038913
	Order	47
	Is No Connect	False

Object	Property Name	Property Value
P1.5 : U14/P1.5	Name	P1.5
	Number	17
	Swap Id	-1
	Type	Bidirectional
	Net Name	R/B2
	Order	48
	Is No Connect	False

Object	Property Name	Property Value
P1.6 : U14/P1.6	Name	P1.6
	Number	18
	Swap Id	-1
	Type	Bidirectional
	Net Name	CE2
	Order	49
	Is No Connect	False

Object	Property Name	Property Value
P1.7 : U14/P1.7	Name	P1.7
	Number	19
	Swap Id	-1
	Type	Bidirectional
	Net Name	N4604571
	Order	50
	Is No Connect	False

Object	Property Name	Property Value
P2.0 : U14/P2.0	Name	P2.0
	Number	20
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	51
	Is No Connect	False

Object	Property Name	Property Value
P2.1 : U14/P2.1	Name	P2.1
	Number	21
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	52
	Is No Connect	False

Object	Property Name	Property Value
P2.2 : U14/P2.2	Name	P2.2
	Number	22
	Swap Id	-1
	Type	Bidirectional
	Net Name	N672382
	Order	53
	Is No Connect	False

Object	Property Name	Property Value
P2.3 : U14/P2.3	Name	P2.3
	Number	23
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	54
	Is No Connect	False

Object	Property Name	Property Value
P2.4 : U14/P2.4	Name	P2.4
	Number	24
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	55
	Is No Connect	False

Object	Property Name	Property Value
P2.5 : U14/P2.5	Name	P2.5
	Number	25
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	56
	Is No Connect	False

Object	Property Name	Property Value
P2.6 : U14/P2.6	Name	P2.6
	Number	26
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	57
	Is No Connect	False

Object	Property Name	Property Value
P2.7 : U14/P2.7	Name	P2.7
	Number	27
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	58
	Is No Connect	False

Object	Property Name	Property Value
P3.0 : U14/P3.0	Name	P3.0
	Number	28
	Swap Id	-1
	Type	Bidirectional
	Net Name	N4547577
	Order	59
	Is No Connect	False

Object	Property Name	Property Value
P3.1 / B0SIMO : U14/P3.1 / B0SIMO	Name	P3.1 / B0SIMO
	Number	29
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	60
	Is No Connect	False

Object	Property Name	Property Value
P3.2 / B0SOMI : U14/P3.2 / B0SOMI	Name	P3.2 / B0SOMI
	Number	30
	Swap Id	-1
	Type	Bidirectional
	Net Name	N672382
	Order	61
	Is No Connect	False

Object	Property Name	Property Value
P3.3 / UCLK : U14/P3.3 / UCLK	Name	P3.3 / UCLK
	Number	31
	Swap Id	-1
	Type	Bidirectional
	Net Name	N671679
	Order	62
	Is No Connect	False

Object	Property Name	Property Value
P3.4 / TXD0 : U14/P3.4 / TXD0	Name	P3.4 / TXD0
	Number	32
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5466665
	Order	63
	Is No Connect	False

Object	Property Name	Property Value
INS5154930 : R47	Name	INS5154930
	ID	1926
	Reference	R47
	Designator	
	Part Reference	R47
	Value	2K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R47/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5155060
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R47/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5155100
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4349653 : C19	Name	INS4349653
	ID	1554
	Reference	C19
	Designator	
	Part Reference	C19
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C19/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VADiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C19/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4057162 : R58	Name	INS4057162
	ID	1232
	Reference	R58
	Designator	
	Part Reference	R58
	Value	3K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R58/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N40571720
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R58/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4046983
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5325228 : U12	Name	INS5325228
	ID	2052
	Reference	U12
	Designator	
	Part Reference	U12
	Value	MT29F2G08 AADWP
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOP50P2000X120-48N

Object	Property Name	Property Value
CLE : U12/CLE	Name	CLE
	Number	16
	Swap Id	-1
	Type	Input
	Net Name	CLE
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
\WP : U12/\WP	Name	\WP
	Number	19
	Swap Id	-1
	Type	Input
	Net Name	VDD-3.3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
VCC : U12/VCC	Name	VCC
	Number	37
	Swap Id	-1
	Type	Power
	Net Name	VDD-3.3
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
NC15 : U12/NC15	Name	NC15
	Number	15
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	3
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
VSS1 : U12/VSS1	Name	VSS1
	Number	13
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
NC20 : U12/NC20	Name	NC20
	Number	20
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
NC22 : U12/NC22	Name	NC22
	Number	22
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
ALE : U12/ALE	Name	ALE
	Number	17
	Swap Id	-1
	Type	Input
	Net Name	ALE
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
\WE : U12/\WE	Name	\WE
	Number	18
	Swap Id	-1
	Type	Input
	Net Name	WE
	Order	8
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
NC23 : U12/NC23	Name	NC23
	Number	23
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
NC24 : U12/NC24	Name	NC24
	Number	24
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
NC25 : U12/NC25	Name	NC25
	Number	25
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
NC26 : U12/NC26	Name	NC26
	Number	26
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
NC27 : U12/NC27	Name	NC27
	Number	27
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
NC28 : U12/NC28	Name	NC28
	Number	28
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
NC21 : U12/NC21	Name	NC21
	Number	21
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
\CE2 : U12/\CE2	Name	\CE2
	Number	10
	Swap Id	-1
	Type	Input
	Net Name	CE2
	Order	16
	Is No Connect	False

Object	Property Name	Property Value
I/O0 : U12/I/O0	Name	I/O0
	Number	29
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5333508
	Order	17
	Is No Connect	False

Object	Property Name	Property Value
I/O1 : U12/I/O1	Name	I/O1
	Number	30
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5335248
	Order	18
	Is No Connect	False

Object	Property Name	Property Value
I/O2 : U12/I/O2	Name	I/O2
	Number	31
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5336994
	Order	19
	Is No Connect	False

Object	Property Name	Property Value
I/O3 : U12/I/O3	Name	I/O3
	Number	32
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5338746
	Order	20
	Is No Connect	False

Object	Property Name	Property Value
NC40 : U12/NC40	Name	NC40
	Number	40
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	21
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
\RE : U12/\RE	Name	\RE
	Number	8
	Swap Id	-1
	Type	Input
	Net Name	RE
	Order	22
	Is No Connect	False

Object	Property Name	Property Value
R/B : U12/R/B	Name	R/B
	Number	7
	Swap Id	-1
	Type	Input
	Net Name	R/B
	Order	23
	Is No Connect	False

Object	Property Name	Property Value
I/O7 : U12/I/O7	Name	I/O7
	Number	44
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5351241
	Order	24
	Is No Connect	False

Object	Property Name	Property Value
I/O6 : U12/I/O6	Name	I/O6
	Number	43
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5348580
	Order	25
	Is No Connect	False

Object	Property Name	Property Value
I/O5 : U12/I/O5	Name	I/O5
	Number	42
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5346810
	Order	26
	Is No Connect	False

Object	Property Name	Property Value
I/O4 : U12/I/O4	Name	I/O4
	Number	41
	Swap Id	-1
	Type	Bidirectional
	Net Name	N5345046
	Order	27
	Is No Connect	False

Object	Property Name	Property Value
VCC1 : U12/VCC1	Name	VCC1
	Number	12
	Swap Id	-1
	Type	Power
	Net Name	VDD-3.3
	Order	28
	Is No Connect	False

Object	Property Name	Property Value
NC1 : U12/NC1	Name	NC1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	29
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
NC2 : U12/NC2	Name	NC2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	30
	Is No Connect	False

Object	Property Name	Property Value
NC3 : U12/NC3	Name	NC3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	31
	Is No Connect	False

Object	Property Name	Property Value
NC11 : U12/NC11	Name	NC11
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	32
	Is No Connect	False

Object	Property Name	Property Value
NC14 : U12/NC14	Name	NC14
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	33
	Is No Connect	False

Object	Property Name	Property Value
NC48 : U12/NC48	Name	NC48
	Number	48
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	34
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
NC47 : U12/NC47	Name	NC47
	Number	47
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	35
	Is No Connect	False

Object	Property Name	Property Value
NC46 : U12/NC46	Name	NC46
	Number	46
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	36
	Is No Connect	False

Object	Property Name	Property Value
NC45 : U12/NC45	Name	NC45
	Number	45
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	37
	Is No Connect	False

Object	Property Name	Property Value
NC39 : U12/NC39	Name	NC39
	Number	39
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	38
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
PRE / VSS1 : U12/PRE / VSS1	Name	PRE / VSS1
	Number	38
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	39
	Is No Connect	False

Object	Property Name	Property Value
VSS : U12/VSS	Name	VSS
	Number	36
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	40
	Is No Connect	False

Object	Property Name	Property Value
NC35 : U12/NC35	Name	NC35
	Number	35
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	41
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
NC34 : U12/NC34	Name	NC34
	Number	34
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	42
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
NC33 : U12/NC33	Name	NC33
	Number	33
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	43
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
\CE1 : U12/\CE1	Name	\CE1
	Number	9
	Swap Id	-1
	Type	Input
	Net Name	CE
	Order	44
	Is No Connect	False

Object	Property Name	Property Value
R/B2 : U12/R/B2	Name	R/B2
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	R/B2
	Order	45
	Is No Connect	False

Object	Property Name	Property Value
NC4 : U12/NC4	Name	NC4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	46
	Is No Connect	False

Object	Property Name	Property Value
NC5 : U12/NC5	Name	NC5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	47
	Is No Connect	False

Object	Property Name	Property Value
INS4305223 : R85	Name	INS4305223
	ID	1533
	Reference	R85
	Designator	
	Part Reference	R85
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R85/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4284271
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R85/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4303285
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS630213 : U11	Name	INS630213
	ID	861
	Reference	U11
	Designator	
	Part Reference	U11
	Value	TI JTAG HEADER
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	HDR2X7

Object	Property Name	Property Value
TDO/TDI : U11/TDO/TDI	Name	TDO/TDI
	Number	1
	Swap Id	-1
	Type	Bidirectional
	Net Name	N630808
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
TDI/VPP : U11/TDI/VPP	Name	TDI/VPP
	Number	3
	Swap Id	-1
	Type	Bidirectional
	Net Name	N644328
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
TMS : U11/TMS	Name	TMS
	Number	5
	Swap Id	-1
	Type	Bidirectional
	Net Name	N644437
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
TCK : U11/TCK	Name	TCK
	Number	7
	Swap Id	-1
	Type	Bidirectional
	Net Name	N644657
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
GND : U11/GND	Name	GND
	Number	9
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
RST/NMI : U11/RST/NMI	Name	RST/NMI
	Number	11
	Swap Id	-1
	Type	Bidirectional
	Net Name	N576268
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
NC1 : U11/NC1	Name	NC1
	Number	13
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
NC2 : U11/NC2	Name	NC2
	Number	14
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
NC3 : U11/NC3	Name	NC3
	Number	12
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
XIN : U11/XIN	Name	XIN
	Number	10
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
TEST/VPP : U11/TEST/VPP	Name	TEST/VPP
	Number	8
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
XOUT : U11/XOUT	Name	XOUT
	Number	6
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
VCC_MSP : U11/VCC_MSP	Name	VCC_MSP
	Number	4
	Swap Id	-1
	Type	Bidirectional
	Net Name	N655646
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
VCC : U11/VCC	Name	VCC
	Number	2
	Swap Id	-1
	Type	Bidirectional
	Net Name	N655786
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
INS5545504 : R54	Name	INS5545504
	ID	2384
	Reference	R54
	Designator	
	Part Reference	R54
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R54/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4046983
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R54/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3916531
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3970712 : C33	Name	INS3970712
	ID	1159
	Reference	C33
	Designator	
	Part Reference	C33
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C33/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C33/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VAAiso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS654782 : R69	Name	INS654782
	ID	909
	Reference	R69
	Designator	
	Part Reference	R69
	Value	100k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R69/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R69/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N655646
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3953644 : R60	Name	INS3953644
	ID	1143
	Reference	R60
	Designator	
	Part Reference	R60
	Value	240
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R60/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N3956635
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R60/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VAAiso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6065457 : MTG2	Name	INS6065457
	ID	2583
	Reference	MTG2
	Designator	
	Part Reference	MTG2
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	SQ POST
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[605.000,584.000]
	COMPSIDE	TOP
	FPLIST	
	GROUP	3
	PCB Footprint	MNT_2_NO-WASHER_NET
	HARD_LOCATION	

Object	Property Name	Property Value
1 : MTG2/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_2-1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS4601460 : R83	Name	INS4601460
	ID	1710
	Reference	R83
	Designator	
	Part Reference	R83
	Value	100k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R83/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R83/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4604571
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6179385 : TP7	Name	INS6179385
	ID	2779
	Reference	TP7
	Designator	
	Part Reference	TP7
	Value	TEST POINT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[805.000,584.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	MISC_VIA-TP

Object	Property Name	Property Value
1 : TP7/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6181942
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5660345 : R72	Name	INS5660345
	ID	2540
	Reference	R72
	Designator	
	Part Reference	R72
	Value	100K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[3596.000,1742.000]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617

Object	Property Name	Property Value
1 : R72/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N56603550
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R72/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5660251
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5155042 : R51	Name	INS5155042
	ID	1941
	Reference	R51
	Designator	
	Part Reference	R51
	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R51/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5154928
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R51/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5099290 : R53	Name	INS5099290
	ID	1898
	Reference	R53
	Designator	
	Part Reference	R53
	Value	37K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R53/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5126591
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R53/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VAA-5,0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3864263 : C68	Name	INS3864263
	ID	1052
	Reference	C68
	Designator	
	Part Reference	C68
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMP SIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C68/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C68/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3999197 : U4	Name	INS3999197
	ID	1182
	Reference	U4
	Designator	
	Part Reference	U4
	Value	LM3480-5.0v
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOT95P237X112-3N_132
	PACKAGE	SOT23
	Manufacturer PN	LM3480IM3-3.3/NOPB
	Manufacturer	NATIONAL SEMI

Object	Property Name	Property Value
Out : U4/Out	Name	Out
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDDIso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
In : U4/In	Name	In
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	Viso+12v
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
GND : U4/GND	Name	GND
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	Diso
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS4527833 : R84	Name	INS4527833
	ID	1649
	Reference	R84
	Designator	
	Part Reference	R84
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R84/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4545840
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R84/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4545263
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4190998 : L5	Name	INS4190998
	ID	1344
	Reference	L5
	Designator	
	Part Reference	L5
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N_1806
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1131.000,515.000]
	COMPSIDE	BOT
	FPLIST	
	Manufacturer PN	BLM21PG221SN1D
	Manufacturer	Murata
	Supplier	Digi-Key
	Supplier PN	490-1054-6-ND
	PACKAGE	1806

Object	Property Name	Property Value
1 : L5/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Diso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L5/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4046983
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4355730 : L4	Name	INS4355730
	ID	1562
	Reference	L4
	Designator	
	Part Reference	L4
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N_1806
	PACKAGE	1806
	Supplier PN	490-1054-6-ND
	Supplier	Digi-Key
	Manufacturer	Murata
	Manufacturer PN	BLM21PG221SN1D
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1131.000,515.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000

Object	Property Name	Property Value
1 : L4/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L4/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	Diso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4830834 : R63	Name	INS4830834
	ID	1820
	Reference	R63
	Designator	
	Part Reference	R63
	Value	50
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSTIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R63/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4766564
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R63/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4812818
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4906775 : J16	Name	INS4906775
	ID	1856
	Reference	J16
	Designator	
	Part Reference	J16
	Value	8 HEADER
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PACKAGE	
	PCB Footprint	HDR1X8_156_18AWG

Object	Property Name	Property Value
1 : J16/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4961806
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : J16/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4960284
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3 : J16/3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N4958768
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4 : J16/4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N4591810
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5 : J16/5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
6 : J16/6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N4915969
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
7 : J16/7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
8 : J16/8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	N4918929
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS4420372 : R90	Name	INS4420372
	ID	1584
	Reference	R90
	Designator	
	Part Reference	R90
	Value	100
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R90/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R90/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4424119
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4530159 : R88	Name	INS4530159
	ID	1652
	Reference	R88
	Designator	
	Part Reference	R88
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R88/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4600113
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R88/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4542385
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3977184 : C35	Name	INS3977184
	ID	1165
	Reference	C35
	Designator	
	Part Reference	C35
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C35/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C35/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3951627
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4711354 : C40	Name	INS4711354
	ID	1763
	Reference	C40
	Designator	
	Part Reference	C40
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMP SIDE	TOP
	COMPLOC	[1419.000,1108.000]
	COMPROT	180
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C40/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C40/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5154946 : R41	Name	INS5154946
	ID	1929
	Reference	R41
	Designator	
	Part Reference	R41
	Value	20k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R41/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5155032
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R41/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5155060
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4891236 : D3	Name	INS4891236
	ID	1851
	Reference	D3
	Designator	
	Part Reference	D3
	Value	LED
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	FPLIST	LEDC2012N 0805
	COMPSIDE	TOP
	COMPLOC	[2270.000,1290.000]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PCB Footprint	LEDC2013X110N_0805

Object	Property Name	Property Value
ANODE : D3/ANODE	Name	ANODE
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N40571720
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
CATHODE : D3/CATHODE	Name	CATHODE
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3929622
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4607830 : R96	Name	INS4607830
	ID	1717
	Reference	R96
	Designator	
	Part Reference	R96
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R96/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4961806
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R96/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4554260
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS651965 : C51	Name	INS651965
	ID	899
	Reference	C51
	Designator	
	Part Reference	C51
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMP SIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C51/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N650372
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C51/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3970417 : C30	Name	INS3970417
	ID	1156
	Reference	C30
	Designator	
	Part Reference	C30
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C30/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VAAiso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C30/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4408358 : R92	Name	INS4408358
	ID	1575
	Reference	R92
	Designator	
	Part Reference	R92
	Value	6.98K 1%
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R92/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4411107
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R92/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4412161
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4551882 : R95	Name	INS4551882
	ID	1693
	Reference	R95
	Designator	
	Part Reference	R95
	Value	120
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSTIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R95/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4553074
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R95/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4554260
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5515103 : J17	Name	INS5515103
	ID	2288
	Reference	J17
	Designator	
	Part Reference	J17
	Value	CON10
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PACKAGE	1X10 0.1 HEADER
	PCB Footprint	HDR1X10

Object	Property Name	Property Value
1 : J17/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : J17/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VAAiso+
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3 : J17/3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4 : J17/4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N4434651
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5 : J17/5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
6 : J17/6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N4284271
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
7 : J17/7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
8 : J17/8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	VAAiso-
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
9 : J17/9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
10 : J17/10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
INS5660257 : R73	Name	INS5660257
	ID	2529
	Reference	R73
	Designator	
	Part Reference	R73
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[3867.000,1753.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617

Object	Property Name	Property Value
1 : R73/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R73/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5660331
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4698733 : C43	Name	INS4698733
	ID	1752
	Reference	C43
	Designator	
	Part Reference	C43
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	VOLTAGE	16v
	PART TYPE	Tantalum
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[1608.000,1245.000]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C43/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VAA-5.0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C43/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5254133 : C60	Name	INS5254133
	ID	1992
	Reference	C60
	Designator	
	Part Reference	C60
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	270
	COMPLOC	[1785.933,1197.400]
	COMP SIDE	BOT
	FPLIST	
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C60/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N650372
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C60/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3933551 : U5	Name	INS3933551
	ID	1118
	Reference	U5
	Designator	
	Part Reference	U5
	Value	LM317L / SOIC8
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-8N_SOIC8

Object	Property Name	Property Value
Vin : U5/Vin	Name	Vin
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	Viso+12v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
NC2 : U5/NC2	Name	NC2
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
Vout2 : U5/Vout2	Name	Vout2
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	VAAiso+
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
Adj : U5/Adj	Name	Adj
	Number	4
	Swap Id	-1
	Type	Input
	Net Name	N3946110
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
Vout2 : U5/Vout2	Name	Vout2
	Number	3
	Swap Id	-1
	Type	Power
	Net Name	VAAiso+
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
Vout4 : U5/Vout4	Name	Vout4
	Number	7
	Swap Id	-1
	Type	Power
	Net Name	VAAiso+
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
Vout3 : U5/Vout3	Name	Vout3
	Number	6
	Swap Id	-1
	Type	Power
	Net Name	VAAiso+
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
NC1 : U5/NC1	Name	NC1
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS4260293 : U15	Name	INS4260293
	ID	1487
	Reference	U15
	Designator	B
	Part Reference	U15B
	Value	AD8609
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-14N_SOIC14

Object	Property Name	Property Value
IN+ : U15/IN+	Name	IN+
	Number	5
	Swap Id	-1
	Type	Input
	Net Name	N4303285
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U15/IN-	Name	IN-
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N4310951
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U15/OUT	Name	OUT
	Number	7
	Swap Id	-1
	Type	Output
	Net Name	N4310951
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+ : U15/V+	Name	V+
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VADiso+5v
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
V- : U15/V-	Name	V-
	Number	11
	Swap Id	-1
	Type	Power
	Net Name	ADiso
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS3999113 : C18	Name	INS3999113
	ID	1176
	Reference	C18
	Designator	
	Part Reference	C18
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMP SIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C18/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDDiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C18/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	Diso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3939928 : R49	Name	INS3939928
	ID	1135
	Reference	R49
	Designator	
	Part Reference	R49
	Value	720 (-5v), 1.3k (-8v)
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R49/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N3946110
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R49/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6066284 : W1	Name	INS6066284
	ID	2585
	Reference	W1
	Designator	
	Part Reference	W1
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_22AWG
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	SQ POST
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[605.000,584.000]
	COMPSIDE	TOP
	FPLIST	
	GROUP	3

Object	Property Name	Property Value
1 : W1/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_2-1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS656610 : U16	Name	INS656610
	ID	921
	Reference	U16
	Designator	
	Part Reference	U16
	Value	ADS1251
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-8N_SOIC8

Object	Property Name	Property Value
-Vin : U16/-Vin	Name	-Vin
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	N4284271
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
GND : U16/GND	Name	GND
	Number	7
	Swap Id	-1
	Type	Input
	Net Name	Diso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
+Vin : U16/+Vin	Name	+Vin
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	N4286956
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
+Vdd : U16/+Vdd	Name	+Vdd
	Number	3
	Swap Id	-1
	Type	Power
	Net Name	VDDiso+5v
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
SCLK : U16/SCLK	Name	SCLK
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N3863767
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
Vref : U16/Vref	Name	Vref
	Number	8
	Swap Id	-1
	Type	Input
	Net Name	N4310951
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
DOUT : U16/DOUT	Name	DOUT
	Number	5
	Swap Id	-1
	Type	Output
	Net Name	N4175189
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
CLK : U16/CLK	Name	CLK
	Number	4
	Swap Id	-1
	Type	Input
	Net Name	N3863930
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS4809843 : C45	Name	INS4809843
	ID	1807
	Reference	C45
	Designator	
	Part Reference	C45
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C45/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C45/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4812818
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS616929 : L6	Name	INS616929
	ID	759
	Reference	L6
	Designator	
	Part Reference	L6
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N_1806
	PACKAGE	1806
	Supplier PN	490-1054-6-ND
	Supplier	Digi-Key
	Manufacturer	Murata
	Manufacturer PN	BLM21PG221SN1D
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1131.000,515.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000

Object	Property Name	Property Value
1 : L6/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Viso+12v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L6/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3926648
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6183648 : TP8	Name	INS6183648
	ID	2781
	Reference	TP8
	Designator	
	Part Reference	TP8
	Value	TEST POINT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[805.000,584.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	MISC_VIA-TP

Object	Property Name	Property Value
1 : TP8/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N38573744
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS5088099 : R39	Name	INS5088099
	ID	1884
	Reference	R39
	Designator	
	Part Reference	R39
	Value	20k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R39/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5094487
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R39/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5092159
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4878116 : C66	Name	INS4878116
	ID	1842
	Reference	C66
	Designator	
	Part Reference	C66
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	CAPMP7343X430N
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C66/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDDiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C66/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	Diso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4261207 : U15	Name	INS4261207
	ID	1499
	Reference	U15
	Designator	D
	Part Reference	U15D
	Value	AD8609
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-14N_SOIC14

Object	Property Name	Property Value
IN+ : U15/IN+	Name	IN+
	Number	12
	Swap Id	-1
	Type	Input
	Net Name	N4286052
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U15/IN-	Name	IN-
	Number	13
	Swap Id	-1
	Type	Input
	Net Name	N4287854
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U15/OUT	Name	OUT
	Number	14
	Swap Id	-1
	Type	Output
	Net Name	N4286956
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+ : U15/V+	Name	V+
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VADiso+5v
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
V- : U15/V-	Name	V-
	Number	11
	Swap Id	-1
	Type	Power
	Net Name	ADiso
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS5156875 : U7	Name	INS5156875
	ID	1956
	Reference	U7
	Designator	D
	Part Reference	U7D
	Value	AD8609 SO14
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-14N_SOIC14

Object	Property Name	Property Value
IN+ : U7//IN+	Name	IN+
	Number	12
	Swap Id	-1
	Type	Input
	Net Name	N5154928
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U7//IN-	Name	IN-
	Number	13
	Swap Id	-1
	Type	Input
	Net Name	N5155060
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U7/OUT	Name	OUT
	Number	14
	Swap Id	-1
	Type	Output
	Net Name	N5155032
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+ : U7/V+	Name	V+
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VAA-5,0
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
V- : U7/V-	Name	V-
	Number	11
	Swap Id	-1
	Type	Power
	Net Name	AVss
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS5154962 : R48	Name	INS5154962
	ID	1932
	Reference	R48
	Designator	
	Part Reference	R48
	Value	1K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP_SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R48/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5075483
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R48/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5155032
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5536035 : C28	Name	INS5536035
	ID	2381
	Reference	C28
	Designator	
	Part Reference	C28
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C28/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5526553
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C28/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3916531
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6100525 : C84	Name	INS6100525
	ID	2747
	Reference	C84
	Designator	
	Part Reference	C84
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	180
	COMPLOC	[1419.000,1108.000]
	COMPSIDE	TOP
	FPLIST	CAPC3216X127N_1206
	GROUP	3

Object	Property Name	Property Value
1 : C84/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N650372
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C84/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS576326 : C22	Name	INS576326
	ID	648
	Reference	C22
	Designator	
	Part Reference	C22
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	VOLTAGE	16v
	PART TYPE	Tantalum
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[1608.000,1245.000]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C22/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Vpwr+12v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C22/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4324340 : C64	Name	INS4324340
	ID	1543
	Reference	C64
	Designator	
	Part Reference	C64
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMP SIDE	BOT
	COMP LOC	[1916.000,1190.000]
	COMP ROT	90
	COMP GROUP	3
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C64/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDDiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C64/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	Diso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS577646 : C70	Name	INS577646
	ID	736
	Reference	C70
	Designator	
	Part Reference	C70
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1162.767,117.633]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C70/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4958768
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C70/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS664911 : C67	Name	INS664911
	ID	947
	Reference	C67
	Designator	
	Part Reference	C67
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1823.000,410.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C67/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C67/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4771672 : R64	Name	INS4771672
	ID	1776
	Reference	R64
	Designator	
	Part Reference	R64
	Value	39k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R64/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4675741
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R64/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N47716821
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS576738 : C75	Name	INS576738
	ID	563
	Reference	C75
	Designator	
	Part Reference	C75
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1823.000,410.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C75/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4570232
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C75/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4268995 : R77	Name	INS4268995
	ID	1509
	Reference	R77
	Designator	
	Part Reference	R77
	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R77/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4287854
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R77/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4722284 : L9	Name	INS4722284
	ID	1768
	Reference	L9
	Designator	
	Part Reference	L9
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N_1806
	Supplier PN	490-1054-6-ND
	Supplier	Digi-Key
	Manufacturer	Murata
	Manufacturer PN	BLM21PG221SN1D
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[1810.000,1224.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	1806

Object	Property Name	Property Value
1 : L9/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L9/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4348686 : L1	Name	INS4348686
	ID	1551
	Reference	L1
	Designator	
	Part Reference	L1
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N 1806
	PACKAGE	1806
	Supplier PN	490-1054-6-ND
	Supplier	Digi-Key
	Manufacturer	Murata
	Manufacturer PN	BLM21PG221SN1D
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1131.000,515.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000

Object	Property Name	Property Value
1 : L1/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VADiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L1/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VDDiso+5v
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5660373 : R74	Name	INS5660373
	ID	2543
	Reference	R74
	Designator	
	Part Reference	R74
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[3509.000,1741.000]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617

Object	Property Name	Property Value
1 : R74/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R74/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5660251
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4426358 : TP6	Name	INS4426358
	ID	1588
	Reference	TP6
	Designator	
	Part Reference	TP6
	Value	TEST POINT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[705.000,584.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	MISC_VIA-TP

Object	Property Name	Property Value
1 : TP6/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4411107
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS576642 : TP9	Name	INS576642
	ID	713
	Reference	TP9
	Designator	
	Part Reference	TP9
	Value	TX1
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_VIA-TP
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[705.000,584.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : TP9/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5476004
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS4432921 : R76	Name	INS4432921
	ID	1590
	Reference	R76
	Designator	
	Part Reference	R76
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R76/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4286956
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R76/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4434651
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5211729 : C49	Name	INS5211729
	ID	1972
	Reference	C49
	Designator	
	Part Reference	C49
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAMP7343X430N
	GROUP	3
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	270
	COMPLOC	[1608.000,1245.000]
	COMPSIDE	TOP
	FPLIST	
	PART TYPE	Tantalum
	VOLTAGE	16v

Object	Property Name	Property Value
1 : C49/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VAA-5.0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C49/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4646436 : R62	Name	INS4646436
	ID	1737
	Reference	R62
	Designator	
	Part Reference	R62
	Value	10k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R62/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4677648
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R62/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4675741
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4497765 : R82	Name	INS4497765
	ID	1637
	Reference	R82
	Designator	
	Part Reference	R82
	Value	100k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSTIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R82/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4494200
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R82/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6118714 : C86	Name	INS6118714
	ID	2762
	Reference	C86
	Designator	
	Part Reference	C86
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206
	GROUP	3

Object	Property Name	Property Value
1 : C86/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4310951
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C86/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4037613 : TP4	Name	INS4037613
	ID	1225
	Reference	TP4
	Designator	
	Part Reference	TP4
	Value	TEST POINT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[805.000,584.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	MISC_VIA-TP

Object	Property Name	Property Value
1 : TP4/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4504311
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS4403231 : C78	Name	INS4403231
	ID	1572
	Reference	C78
	Designator	
	Part Reference	C78
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMP SIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C78/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VADiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C78/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS578664 : L2	Name	INS578664
	ID	560
	Reference	L2
	Designator	
	Part Reference	L2
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N_1806
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1131.000,515.000]
	COMPSTIDE	BOT
	FPLIST	
	Manufacturer PN	BLM21PG221SN1D
	Manufacturer	Murata
	Supplier	Digi-Key
	Supplier PN	490-1054-6-ND
	PACKAGE	1806

Object	Property Name	Property Value
1 : L2/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L2/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4513523 : D5	Name	INS4513523
	ID	1645
	Reference	D5
	Designator	
	Part Reference	D5
	Value	DIODE BI-DIR TRIG
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	DIOM5127X229N
	Manufacturer	Littelfuse Inc
	Manufacturer PN	SMAJ18CA
	PACKAGE	DO214-AC
	Filename	

Object	Property Name	Property Value
1 : D5/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : D5/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4958768
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3916513 : C38	Name	INS3916513
	ID	1078
	Reference	C38
	Designator	
	Part Reference	C38
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C38/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4046983
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C38/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3929622
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4317686 : R86	Name	INS4317686
	ID	1540
	Reference	R86
	Designator	
	Part Reference	R86
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMP LOC	[1397.000,1495.000]
	COMP ROT	0
	COMP GROUP	3
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R86/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4310951
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R86/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4303285
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4330715 : C74	Name	INS4330715
	ID	1546
	Reference	C74
	Designator	
	Part Reference	C74
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C74/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4303285
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C74/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS577960 : SW1	Name	INS577960
	ID	575
	Reference	SW1
	Designator	
	Part Reference	SW1
	Value	Reset
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	Bourne
	Manufacturer PN	7914G-1-000E
	Supplier	Digi-Key
	Supplier PN	7914G-000ECT-ND
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[1393.000,1754.000]
	COMPROT	180
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7914G-1-000E
	GROUP	3
	PCB Footprint	SW_7914G-1-000E
	Filename	

Object	Property Name	Property Value
1 : SW1/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N576268
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : SW1/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4772389 : R65	Name	INS4772389
	ID	1779
	Reference	R65
	Designator	
	Part Reference	R65
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMP LOC	[1818.000,930.000]
	COMP ROT	0
	COMP GROUP	3
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R65/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N47716821
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R65/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4791606
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3999129 : C20	Name	INS3999129
	ID	1179
	Reference	C20
	Designator	
	Part Reference	C20
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAMP7343X430N
	GROUP	3
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C20/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDDiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C20/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	Diso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4651492 : R61	Name	INS4651492
	ID	1740
	Reference	R61
	Designator	
	Part Reference	R61
	Value	20k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R61/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R61/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4677648
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4818041 : L11	Name	INS4818041
	ID	1814
	Reference	L11
	Designator	
	Part Reference	L11
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N_1806
	Supplier PN	490-1054-6-ND
	Supplier	Digi-Key
	Manufacturer	Murata
	Manufacturer PN	BLM21PG221SN1D
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[1810.000,1224.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	1806

Object	Property Name	Property Value
1 : L11/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L11/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5660281 : R71	Name	INS5660281
	ID	2532
	Reference	R71
	Designator	
	Part Reference	R71
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[3968.000,1827.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617

Object	Property Name	Property Value
1 : R71/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5660331
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R71/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5221638 : D1	Name	INS5221638
	ID	1975
	Reference	D1
	Designator	
	Part Reference	D1
	Value	B140B
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	DIOM5336X262N
	Description	DIODE SCHOTTKY 40V 1A
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[2325.367,715.000]
	COMPROT	180
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SMB
	Manufacturer PN	B140B-13-F
	Manufacturer	Diodes Inc.

Object	Property Name	Property Value
ANODE : D1/ANODE	Name	ANODE
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4918929
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
CATHODE : D1/CATHODE	Name	CATHODE
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5054498
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4611700 : R87	Name	INS4611700
	ID	1720
	Reference	R87
	Designator	
	Part Reference	R87
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R87/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4591810
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R87/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4612986
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS578164 : C21	Name	INS578164
	ID	557
	Reference	C21
	Designator	
	Part Reference	C21
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMP SIDE	TOP
	COMP LOC	[1419.000,1108.000]
	COMP ROT	180
	COMP GROUP	3
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C21/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Vpwr+12v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C21/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS575842 : C25	Name	INS575842
	ID	645
	Reference	C25
	Designator	
	Part Reference	C25
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C25/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Viso+12v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C25/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4888139 : D2	Name	INS4888139
	ID	1848
	Reference	D2
	Designator	
	Part Reference	D2
	Value	LED
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	FPLIST	LEDC2012N 0805
	COMPSIDE	TOP
	COMPLOC	[2270.000,1290.000]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PCB Footprint	LEDC2013X110N_0805

Object	Property Name	Property Value
ANODE : D2/ANODE	Name	ANODE
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5056897
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
CATHODE : D2/CATHODE	Name	CATHODE
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4046983
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6251336 : C32	Name	INS6251336
	ID	2795
	Reference	C32
	Designator	
	Part Reference	C32
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805

Object	Property Name	Property Value
1 : C32/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5133123
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C32/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5190053
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4477568 : U7	Name	INS4477568
	ID	1624
	Reference	U7
	Designator	C
	Part Reference	U7C
	Value	AD8609 SO14
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-14N_SOIC14

Object	Property Name	Property Value
IN+ : U7/IN+	Name	IN+
	Number	10
	Swap Id	-1
	Type	Input
	Net Name	N5126591
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U7/IN-	Name	IN-
	Number	9
	Swap Id	-1
	Type	Input
	Net Name	N5092159
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U7/OUT	Name	OUT
	Number	8
	Swap Id	-1
	Type	Output
	Net Name	N5094487
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+ : U7/V+	Name	V+
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VAA-5.0
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
V- : U7/V-	Name	V-
	Number	11
	Swap Id	-1
	Type	Power
	Net Name	AVss
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS5521207 : R59	Name	INS5521207
	ID	2369
	Reference	R59
	Designator	
	Part Reference	R59
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMPSIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R59/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N3929622
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R59/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3927784
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4268101 : R78	Name	INS4268101
	ID	1506
	Reference	R78
	Designator	
	Part Reference	R78
	Value	5K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSTIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R78/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4286956
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R78/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4287854
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5699978 : R79	Name	INS5699978
	ID	2568
	Reference	R79
	Designator	
	Part Reference	R79
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[3721.000,1680.000]
	COMPROT	180
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617

Object	Property Name	Property Value
1 : R79/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N641730
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R79/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5687563
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5141145 : R45	Name	INS5141145
	ID	1916
	Reference	R45
	Designator	
	Part Reference	R45
	Value	1K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R45/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5077020
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R45/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5094487
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS617862 : L8	Name	INS617862
	ID	762
	Reference	L8
	Designator	
	Part Reference	L8
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N 1806
	PACKAGE	1806
	Supplier PN	490-1054-6-ND
	Supplier	Digi-Key
	Manufacturer	Murata
	Manufacturer PN	BLM21PG221SN1D
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1131.000,515.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000

Object	Property Name	Property Value
1 : L8/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N3951627
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L8/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3929622
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6106909 : C85	Name	INS6106909
	ID	2756
	Reference	C85
	Designator	
	Part Reference	C85
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	180
	COMPLOC	[1419.000,1108.000]
	COMPSIDE	TOP
	FPLIST	CAPC3216X127N_1206
	GROUP	3

Object	Property Name	Property Value
1 : C85/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6107743
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C85/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5253258 : C61	Name	INS5253258
	ID	1989
	Reference	C61
	Designator	
	Part Reference	C61
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSTIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C61/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N650372
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C61/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5154986 : R55	Name	INS5154986
	ID	1935
	Reference	R55
	Designator	
	Part Reference	R55
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R55/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5075483
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R55/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS652705 : C58	Name	INS652705
	ID	905
	Reference	C58
	Designator	
	Part Reference	C58
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	270
	COMPLOC	[1785.933,1197.400]
	COMPSTIDE	BOT
	FPLIST	
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C58/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N652855
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C58/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3987830 : C29	Name	INS3987830
	ID	1171
	Reference	C29
	Designator	
	Part Reference	C29
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C29/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VAAiso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C29/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5155188 : R56	Name	INS5155188
	ID	1953
	Reference	R56
	Designator	
	Part Reference	R56
	Value	37K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMP SIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R56/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5154928
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R56/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VAA-5,0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4559087 : C77	Name	INS4559087
	ID	1696
	Reference	C77
	Designator	
	Part Reference	C77
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1823.000,410.000]
	COMPSTIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C77/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C77/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4773106 : R67	Name	INS4773106
	ID	1782
	Reference	R67
	Designator	
	Part Reference	R67
	Value	39k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSTIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R67/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N47731160
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R67/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4784404
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS576754 : C52	Name	INS576754
	ID	578
	Reference	C52
	Designator	
	Part Reference	C52
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C52/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C52/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3933280 : U8	Name	INS3933280
	ID	1109
	Reference	U8
	Designator	
	Part Reference	U8
	Value	LM337L / SOIC8
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-8N_SOIC8

Object	Property Name	Property Value
VOUT : U8/VOUT	Name	VOUT
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	VAAiso-
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
NC2 : U8/NC2	Name	NC2
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
VIN1 : U8/VIN1	Name	VIN1
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	N3951627
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
ADJ : U8/ADJ	Name	ADJ
	Number	4
	Swap Id	-1
	Type	Input
	Net Name	N3956635
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
VIN2 : U8/VIN2	Name	VIN2
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N3951627
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
VIN4 : U8/VIN4	Name	VIN4
	Number	7
	Swap Id	-1
	Type	Input
	Net Name	N3951627
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
VIN3 : U8/VIN3	Name	VIN3
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N3951627
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
NC1 : U8/NC1	Name	NC1
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS608865 : U20	Name	INS608865
	ID	660
	Reference	U20
	Designator	
	Part Reference	U20
	Value	MAX3483E
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	SOIC127P600X175-8N SOIC8
	Description	IC TXRX RS485/422 250KBPS
	Manufacturer	MAXIM IC
	Manufacturer PN	MAX3483ECSA+
	PACKAGE	SOIC8
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[950.000,2530.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	68.883

Object	Property Name	Property Value
RO : U20/RO	Name	RO
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4546418
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
R1E1 : U20/R1E1	Name	R1E1
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4547577
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
DE : U20/DE	Name	DE
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N4547577
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
DI : U20/DI	Name	DI
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N4546997
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
GND : U20/GND	Name	GND
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
A : U20/A	Name	A
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N4553074
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
B : U20/B	Name	B
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	N4554260
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
Vcc : U20/Vcc	Name	Vcc
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS4532021 : R97	Name	INS4532021
	ID	1658
	Reference	R97
	Designator	
	Part Reference	R97
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R97/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4546997
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R97/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4545263
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3971770 : C36	Name	INS3971770
	ID	1162
	Reference	C36
	Designator	
	Part Reference	C36
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C36/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C36/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3951627
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5364262 : C56	Name	INS5364262
	ID	2117
	Reference	C56
	Designator	
	Part Reference	C56
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSTIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C56/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C56/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5141961 : R52	Name	INS5141961
	ID	1919
	Reference	R52
	Designator	
	Part Reference	R52
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R52/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5077020
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R52/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS618172 : L7	Name	INS618172
	ID	765
	Reference	L7
	Designator	
	Part Reference	L7
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N_1806
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1131.000,515.000]
	COMPSIDE	BOT
	FPLIST	
	Manufacturer PN	BLM21PG221SN1D
	Manufacturer	Murata
	Supplier	Digi-Key
	Supplier PN	490-1054-6-ND
	PACKAGE	1806

Object	Property Name	Property Value
1 : L7/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4046983
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L7/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5112976 : R43	Name	INS5112976
	ID	1910
	Reference	R43
	Designator	
	Part Reference	R43
	Value	3K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSTIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R43/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VAA-5.0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R43/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5190053
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4408906 : R91	Name	INS4408906
	ID	1578
	Reference	R91
	Designator	
	Part Reference	R91
	Value	1.69K 1%
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R91/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4424119
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R91/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4412161
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5660297 : C55	Name	INS5660297
	ID	2535
	Reference	C55
	Designator	
	Part Reference	C55
	Value	1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[3750.000,1589.000]
	COMPROT	180
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	37.000

Object	Property Name	Property Value
1 : C55/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C55/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4531420 : R94	Name	INS4531420
	ID	1655
	Reference	R94
	Designator	
	Part Reference	R94
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R94/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4546418
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R94/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4542385
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4057530 : R40	Name	INS4057530
	ID	1235
	Reference	R40
	Designator	
	Part Reference	R40
	Value	3K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R40/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5056897
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R40/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3926648
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS664738 : C73	Name	INS664738
	ID	944
	Reference	C73
	Designator	
	Part Reference	C73
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1823.000,410.000]
	COMP SIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C73/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4577036
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C73/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4577650
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5530515 : C37	Name	INS5530515
	ID	2378
	Reference	C37
	Designator	
	Part Reference	C37
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C37/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N3916531
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C37/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3927784
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4773823 : R66	Name	INS4773823
	ID	1785
	Reference	R66
	Designator	
	Part Reference	R66
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMP SIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R66/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4791606
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R66/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N47731160
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4301434 : U19	Name	INS4301434
	ID	1522
	Reference	U19
	Designator	
	Part Reference	U19
	Value	AD680
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-8N_SOIC8

Object	Property Name	Property Value
+VS : U19/+VS	Name	+VS
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	VADiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
GND : U19/GND	Name	GND
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	ADiso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
NC : U19/NC	Name	NC
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
OUT : U19/OUT	Name	OUT
	Number	6
	Swap Id	-1
	Type	Output
	Net Name	N4303285
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
TEMP : U19/TEMP	Name	TEMP
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N4413221
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
NC2 : U19/NC2	Name	NC2
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
NC3 : U19/NC3	Name	NC3
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
NC1 : U19/NC1	Name	NC1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS578486 : Y2	Name	INS578486
	ID	637
	Reference	Y2
	Designator	
	Part Reference	Y2
	Value	32.768 khz
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	OSC_SG-636_SPTSAP
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1510.000,1145.000]
	COMP SIDE	BOT
	FPLIST	
	Supplier	Digi-Key
	Supplier PN	SE2417CT-ND
	Manufacturer	Epson
	Manufacturer PN	MA-306
	PACKAGE	J-LEAD

Object	Property Name	Property Value
1 : Y2/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N641848
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
4 : Y2/4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N641730
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3 : Y2/3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
2 : Y2/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
INS4796044 : C46	Name	INS4796044
	ID	1797
	Reference	C46
	Designator	
	Part Reference	C46
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C46/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N47960540
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C46/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4784404
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS620201 : TP3	Name	INS620201
	ID	771
	Reference	TP3
	Designator	
	Part Reference	TP3
	Value	TEST POINT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_VIA-TP
	GROUP	3
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	SQ POST
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	270
	COMPLOC	[96.000,2184.000]
	COMPSIDE	TOP
	FPLIST	

Object	Property Name	Property Value
1 : TP3/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Vpwr+12v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS578792 : TP16	Name	INS578792
	ID	680
	Reference	TP16
	Designator	
	Part Reference	TP16
	Value	GND1
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_VIA-TP
	GROUP	3
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1003.000,328.000]
	COMPSIDE	TOP
	FPLIST	
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : TP16/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS3938253 : R42	Name	INS3938253
	ID	1132
	Reference	R42
	Designator	
	Part Reference	R42
	Value	240
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R42/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VAAiso+
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R42/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N3946110
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4476981 : U7	Name	INS4476981
	ID	1618
	Reference	U7
	Designator	B
	Part Reference	U7B
	Value	AD8609 SO14
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-14N_SOIC14

Object	Property Name	Property Value
IN+ : U7/IN+	Name	IN+
	Number	5
	Swap Id	-1
	Type	Input
	Net Name	N4784404
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U7/IN-	Name	IN-
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N4766564
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U7/OUT	Name	OUT
	Number	7
	Swap Id	-1
	Type	Output
	Net Name	N4766564
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+ : U7/V+	Name	V+
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VAA-5.0
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
V- : U7/V-	Name	V-
	Number	11
	Swap Id	-1
	Type	Power
	Net Name	AVss
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS654945 : R70	Name	INS654945
	ID	912
	Reference	R70
	Designator	
	Part Reference	R70
	Value	100k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMPSIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R70/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R70/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N655786
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4829378 : L10	Name	INS4829378
	ID	1817
	Reference	L10
	Designator	
	Part Reference	L10
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N_1806
	PACKAGE	1806
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1810.000,1224.000]
	COMPSIDE	TOP
	FPLIST	
	Manufacturer PN	BLM21PG221SN1D
	Manufacturer	Murata
	Supplier	Digi-Key
	Supplier PN	490-1054-6-ND

Object	Property Name	Property Value
1 : L10/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4812818
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L10/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4915969
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS577884 : C65	Name	INS577884
	ID	733
	Reference	C65
	Designator	
	Part Reference	C65
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1161.000,376.000]
	COMPSTIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C65/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4591810
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C65/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5154902 : R44	Name	INS5154902
	ID	1923
	Reference	R44
	Designator	
	Part Reference	R44
	Value	3K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSTIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R44/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VAA-5.0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R44/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5180754
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4798170 : C48	Name	INS4798170
	ID	1800
	Reference	C48
	Designator	
	Part Reference	C48
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMP SIDE	BOT
	COMP LOC	[1916.000,1190.000]
	COMP ROT	90
	COMP GROUP	3
	COMP FIXED	NO
	COMP LOCKED	NO
	COMP KEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMP HEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C48/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C48/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N47960540
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5104908 : R50	Name	INS5104908
	ID	1904
	Reference	R50
	Designator	
	Part Reference	R50
	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMP SIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R50/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5126591
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R50/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS576840 : U18	Name	INS576840
	ID	692
	Reference	U18
	Designator	
	Part Reference	U18
	Value	MAX3222
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	SOP65P640X120-20N_TSOP20
	Manufacturer PN	MAX3222IDW
	Manufacturer	TI
	Supplier PN	296-13086-1-ND
	Supplier	Digi-Key
	FPLIST	SOIC127P1030X265-20N
	COMPSIDE	BOT
	COMPLOC	[1527.000,354.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	TSSOP 20

Object	Property Name	Property Value
\\EIN (RX) : U18\\EIN (RX)	Name	\\EIN (RX)
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	N4494200
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
\\SIHDIN (TX) : U18\\SIHDIN (TX)	Name	\\SIHDIN (TX)
	Number	20
	Swap Id	-1
	Type	Input
	Net Name	N4604571
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
T2_IN : U18/T2_IN	Name	T2_IN
	Number	12
	Swap Id	-1
	Type	Input
	Net Name	N5466665
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
VCC : U18/VCC	Name	VCC
	Number	19
	Swap Id	-1
	Type	Power
	Net Name	VDD-3.3
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
T2_OUT : U18/T2_OUT	Name	T2_OUT
	Number	8
	Swap Id	-1
	Type	Output
	Net Name	N5476004
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
R2_IN : U18/R2_IN	Name	R2_IN
	Number	9
	Swap Id	-1
	Type	Input
	Net Name	N5476930
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
R2_OUT : U18/R2_OUT	Name	R2_OUT
	Number	10
	Swap Id	-1
	Type	Output
	Net Name	N5464828
	Order	6
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
GND : U18/GND	Name	GND
	Number	18
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
V+ : U18/V+	Name	V+
	Number	3
	Swap Id	-1
	Type	Power
	Net Name	N4570232
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
V- : U18/V-	Name	V-
	Number	7
	Swap Id	-1
	Type	Power
	Net Name	N4581341
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
C2+ : U18/C2+	Name	C2+
	Number	5
	Swap Id	-1
	Type	Output
	Net Name	N4577036
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
C2- : U18/C2-	Name	C2-
	Number	6
	Swap Id	-1
	Type	Output
	Net Name	N4577650
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
C1+ : U18/C1+	Name	C1+
	Number	2
	Swap Id	-1
	Type	Output
	Net Name	N4568407
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
C1- : U18/C1-	Name	C1-
	Number	4
	Swap Id	-1
	Type	Output
	Net Name	N4569622
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
T1_IN : U18/T1_IN	Name	T1_IN
	Number	13
	Swap Id	-1
	Type	Input
	Net Name	N4545840
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
R1_OUT : U18/R1_OUT	Name	R1_OUT
	Number	15
	Swap Id	-1
	Type	Output
	Net Name	N4600113
	Order	15
	Is No Connect	False
	Pin Length	Line

Object	Property Name	Property Value
T1_OUT : U18/T1_OUT	Name	T1_OUT
	Number	17
	Swap Id	-1
	Type	Output
	Net Name	N4612986
	Order	16
	Is No Connect	False

Object	Property Name	Property Value
R1_IN : U18/R1_IN	Name	R1_IN
	Number	16
	Swap Id	-1
	Type	Input
	Net Name	N4613611
	Order	17
	Is No Connect	False

Object	Property Name	Property Value
NC1 : U18/NC1	Name	NC1
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	18
	Is No Connect	True

Object	Property Name	Property Value
NC2 : U18/NC2	Name	NC2
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	19
	Is No Connect	True

Object	Property Name	Property Value
INS4790192 : C44	Name	INS4790192
	ID	1792
	Reference	C44
	Designator	
	Part Reference	C44
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSTIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C44/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4766564
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C44/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4791606
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3979967 : C34	Name	INS3979967
	ID	1168
	Reference	C34
	Designator	
	Part Reference	C34
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	270
	COMPLOC	[1785.933,1197.400]
	COMPSTIDE	BOT
	FPLIST	
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C34/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C34/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VAAiso-
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4259836 : U15	Name	INS4259836
	ID	1481
	Reference	U15
	Designator	A
	Part Reference	U15A
	Value	AD8609
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-14N_SOIC14

Object	Property Name	Property Value
IN+ : U15/IN+	Name	IN+
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N4413221
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U15/IN-	Name	IN-
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	N4412161
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U15/OUT	Name	OUT
	Number	1
	Swap Id	-1
	Type	Output
	Net Name	N4411107
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+ : U15/V+	Name	V+
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VADiso+5v
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
V- : U15/V-	Name	V-
	Number	11
	Swap Id	-1
	Type	Power
	Net Name	ADiso
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS6098040 : U22	Name	INS6098040
	ID	2739
	Reference	U22
	Designator	
	Part Reference	U22
	Value	AD22103KTZ
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	TO_92_123

Object	Property Name	Property Value
VS : U22/VS	Name	VS
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N650372
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
VO : U22/VO	Name	VO
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6105874
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
GND : U22/GND	Name	GND
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS576170 : R68	Name	INS576170
	ID	718
	Reference	R68
	Designator	
	Part Reference	R68
	Value	100k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R68/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R68/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N576268
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5155006 : C24	Name	INS5155006
	ID	1938
	Reference	C24
	Designator	
	Part Reference	C24
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C24/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5155032
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C24/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5155060
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4607182 : R93	Name	INS4607182
	ID	1714
	Reference	R93
	Designator	
	Part Reference	R93
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R93/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4960284
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R93/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4553074
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS577282 : L3	Name	INS577282
	ID	640
	Reference	L3
	Designator	
	Part Reference	L3
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N 1806
	Manufacturer PN	BLM21PG221SN1D
	Manufacturer	Murata
	Supplier	Digi-Key
	Supplier PN	490-1054-6-ND
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[1815.000,1360.000]
	COMPROT	180
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	1806

Object	Property Name	Property Value
1 : L3/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Vpwr+12v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L3/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5054498
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5229544 : C63	Name	INS5229544
	ID	1980
	Reference	C63
	Designator	
	Part Reference	C63
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSTIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C63/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5229534
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C63/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3953915 : R57	Name	INS3953915
	ID	1146
	Reference	R57
	Designator	
	Part Reference	R57
	Value	720 (5v), 1.3k (8v)
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	TOP
	COMPLOC	[1397.000,1495.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R57/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N3956635
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R57/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6128547 : C88	Name	INS6128547
	ID	2768
	Reference	C88
	Designator	
	Part Reference	C88
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPC2013X130N_0805
	GROUP	3
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C88/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C88/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4284271
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5100874 : R46	Name	INS5100874
	ID	1901
	Reference	R46
	Designator	
	Part Reference	R46
	Value	2K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSTIDE	BOT
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R46/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5092159
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R46/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5133123
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4260750 : U15	Name	INS4260750
	ID	1493
	Reference	U15
	Designator	C
	Part Reference	U15C
	Value	AD8609
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-14N_SOIC14

Object	Property Name	Property Value
IN+ : U15/IN+	Name	IN+
	Number	10
	Swap Id	-1
	Type	Input
	Net Name	N4303285
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U15/IN-	Name	IN-
	Number	9
	Swap Id	-1
	Type	Input
	Net Name	N4284271
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U15/OUT	Name	OUT
	Number	8
	Swap Id	-1
	Type	Output
	Net Name	N4284271
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+ : U15/V+	Name	V+
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VADiso+5v
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
V- : U15/V-	Name	V-
	Number	11
	Swap Id	-1
	Type	Power
	Net Name	ADiso
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS4271664 : R80	Name	INS4271664
	ID	1515
	Reference	R80
	Designator	
	Part Reference	R80
	Value	20K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMP SIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R80/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4286052
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R80/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4434651
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5525782 : R38	Name	INS5525782
	ID	2372
	Reference	R38
	Designator	
	Part Reference	R38
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	FPLIST	RESC3216X70N_1206
	COMP SIDE	BOT
	COMPLOC	[1818.000,930.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : R38/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N3926648
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R38/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5526553
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6076739 : W2	Name	INS6076739
	ID	2588
	Reference	W2
	Designator	
	Part Reference	W2
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_22AWG
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	SQ POST
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[605.000,584.000]
	COMPSIDE	TOP
	FPLIST	
	GROUP	3

Object	Property Name	Property Value
1 : W2/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS3857336 : U17	Name	INS3857336
	ID	1027
	Reference	U17
	Designator	
	Part Reference	U17
	Value	ADUM1411
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P1033X265-16N

Object	Property Name	Property Value
GND1 : U17/GND1	Name	GND1
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
GND2 : U17/GND2	Name	GND2
	Number	15
	Swap Id	-1
	Type	Input
	Net Name	Diso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
VDD1 : U17/VDD1	Name	VDD1
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	VDD-3.3
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
Vin_A : U17/Vin_A	Name	Vin_A
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N6181942
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
Vout_A : U17/Vout_A	Name	Vout_A
	Number	14
	Swap Id	-1
	Type	Output
	Net Name	N38573744
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
VDD2 : U17/VDD2	Name	VDD2
	Number	16
	Swap Id	-1
	Type	Input
	Net Name	VDDIso+5v
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
Vout_B : U17/Vout_B	Name	Vout_B
	Number	13
	Swap Id	-1
	Type	Output
	Net Name	N3863930
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
VinB : U17/VinB	Name	VinB
	Number	4
	Swap Id	-1
	Type	Input
	Net Name	N4035940
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
VinC : U17/VinC	Name	VinC
	Number	5
	Swap Id	-1
	Type	Input
	Net Name	N671679
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
VoutD : U17/VoutD	Name	VoutD
	Number	6
	Swap Id	-1
	Type	Output
	Net Name	N672382
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
CTRL1 : U17/CTRL1	Name	CTRL1
	Number	7
	Swap Id	-1
	Type	Input
	Net Name	VDD-3.3
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
GND1x : U17/GND1x	Name	GND1x
	Number	8
	Swap Id	-1
	Type	Input
	Net Name	GND
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
Vout_C : U17/Vout_C	Name	Vout_C
	Number	12
	Swap Id	-1
	Type	Output
	Net Name	N3863767
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
Vin_D : U17/Vin_D	Name	Vin_D
	Number	11
	Swap Id	-1
	Type	Input
	Net Name	N4175189
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
CTRL2 : U17/CTRL2	Name	CTRL2
	Number	10
	Swap Id	-1
	Type	Input
	Net Name	VDDiso+5v
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
GND2x : U17/GND2x	Name	GND2x
	Number	9
	Swap Id	-1
	Type	Input
	Net Name	Diso
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
INS576784 : C71	Name	INS576784
	ID	623
	Reference	C71
	Designator	
	Part Reference	C71
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	180
	COMPLOC	[1822.000,322.000]
	COMP SIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C71/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4568407
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C71/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4569622
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5660409 : U13	Name	INS5660409
	ID	2546
	Reference	U13
	Designator	
	Part Reference	U13
	Value	LTC6907
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPHEIGHT	55.117
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	180
	COMPLOC	[3777.000,1770.000]
	COMPSIDE	TOP
	FPLIST	SOT95P280-6N
	PCB Footprint	SOT95P280X100-6N_TSOT-23

Object	Property Name	Property Value
OUT : U13/OUT	Name	OUT
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5687563
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
GND : U13/GND	Name	GND
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
DIV : U13/DIV	Name	DIV
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N5660331
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
SET : U13/SET	Name	SET
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N56603550
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
GRD : U13/GRD	Name	GRD
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	4
	Is No Connect	True

Object	Property Name	Property Value
V+ : U13/V+	Name	V+
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
INS3914931 : C26	Name	INS3914931
	ID	1075
	Reference	C26
	Designator	
	Part Reference	C26
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	270
	COMPLOC	[1785.933,1197.400]
	COMPSTIDE	BOT
	FPLIST	
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C26/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Viso+12v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C26/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4750006 : C39	Name	INS4750006
	ID	1772
	Reference	C39
	Designator	
	Part Reference	C39
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C39/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4677648
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C39/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4675741
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5090579 : C23	Name	INS5090579
	ID	1890
	Reference	C23
	Designator	
	Part Reference	C23
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C23/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5094487
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C23/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5092159
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4375802 : C72	Name	INS4375802
	ID	1568
	Reference	C72
	Designator	
	Part Reference	C72
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMP SIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C72/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VADiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C72/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5273386 : C54	Name	INS5273386
	ID	1996
	Reference	C54
	Designator	
	Part Reference	C54
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C54/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N650372
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C54/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3916758 : C27	Name	INS3916758
	ID	1081
	Reference	C27
	Designator	
	Part Reference	C27
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C27/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N3926648
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C27/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4046983
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6119568 : C87	Name	INS6119568
	ID	2765
	Reference	C87
	Designator	
	Part Reference	C87
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPC2013X130N_0805
	GROUP	3
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C87/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C87/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4434651
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS576690 : TP10	Name	INS576690
	ID	739
	Reference	TP10
	Designator	
	Part Reference	TP10
	Value	RX1
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MISC_VIA-TP
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[605.000,584.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : TP10/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5476930
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS4881203 : C79	Name	INS4881203
	ID	1845
	Reference	C79
	Designator	
	Part Reference	C79
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAMP7343X430N
	GROUP	3
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C79/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VADiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C79/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4476394 : U7	Name	INS4476394
	ID	1612
	Reference	U7
	Designator	A
	Part Reference	U7A
	Value	AD8609 SO14
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOIC127P600X175-14N_SOIC14

Object	Property Name	Property Value
IN+ : U7/IN+	Name	IN+
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N4644445
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U7/IN-	Name	IN-
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	N4677648
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U7/OUT	Name	OUT
	Number	1
	Swap Id	-1
	Type	Output
	Net Name	N4675741
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+ : U7/V+	Name	V+
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	VAA-5.0
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
V- : U7/V-	Name	V-
	Number	11
	Swap Id	-1
	Type	Power
	Net Name	AVss
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS576386 : C53	Name	INS576386
	ID	687
	Reference	C53
	Designator	
	Part Reference	C53
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C53/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C53/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6062203 : MTG1	Name	INS6062203
	ID	2581
	Reference	MTG1
	Designator	
	Part Reference	MTG1
	Value	GND_IN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	SQ POST
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[605.000,584.000]
	COMPSIDE	TOP
	FPLIST	
	GROUP	3
	PCB Footprint	MNT_2_NO-WASHER_NET
	HARD_LOCATION	

Object	Property Name	Property Value
1 : MTG1/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_EARTH_2-1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS650116 : L12	Name	INS650116
	ID	891
	Reference	L12
	Designator	
	Part Reference	L12
	Value	BLM41P750SPT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	INDC4516X180N_1806
	PACKAGE	1806
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1810.000,1224.000]
	COMPSIDE	TOP
	FPLIST	
	Manufacturer PN	BLM21PG221SN1D
	Manufacturer	Murata
	Supplier	Digi-Key
	Supplier PN	490-1054-6-ND

Object	Property Name	Property Value
1 : L12/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L12/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N650372
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4636885 : Y1	Name	INS4636885
	ID	1730
	Reference	Y1
	Designator	
	Part Reference	Y1
	Value	OSC8A
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[3757.000,1788.967]
	COMPSIDE	BOT
	FPLIST	OSC_SG-636_SPTSAF
	PCB Footprint	OSC_SG-636_SPTSAF

Object	Property Name	Property Value
OUT : Y1/OUT	Name	OUT
	Number	3
	Swap Id	-1
	Type	3 State
	Net Name	N4642476
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
EN : Y1/EN	Name	EN
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	
	Order	1
	Is No Connect	True

Object	Property Name	Property Value
GND : Y1/GND	Name	GND
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
VCC : Y1/VCC	Name	VCC
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
INS5361565 : C57	Name	INS5361565
	ID	2114
	Reference	C57
	Designator	
	Part Reference	C57
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMP SIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C57/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C57/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4612348 : R89	Name	INS4612348
	ID	1723
	Reference	R89
	Designator	
	Part Reference	R89
	Value	0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R89/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4958768
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R89/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4613611
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS6147750 : C89	Name	INS6147750
	ID	2775
	Reference	C89
	Designator	
	Part Reference	C89
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSIDE	BOT
	FPLIST	CAPC3216X127N_1206
	GROUP	3

Object	Property Name	Property Value
1 : C89/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C89/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4512359 : D4	Name	INS4512359
	ID	1642
	Reference	D4
	Designator	
	Part Reference	D4
	Value	DIODE BI-DIR TRIG
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	DIOM5127X229N
	Manufacturer	Littelfuse Inc
	Manufacturer PN	SMAJ18CA
	PACKAGE	DO214-AC
	Filename	

Object	Property Name	Property Value
1 : D4/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : D4/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4591810
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4699411 : C41	Name	INS4699411
	ID	1755
	Reference	C41
	Designator	
	Part Reference	C41
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	180
	COMPLOC	[1419.000,1108.000]
	COMPSTIDE	TOP
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C41/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VAA-5.0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C41/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4350153 : C17	Name	INS4350153
	ID	1557
	Reference	C17
	Designator	
	Part Reference	C17
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	90
	COMPLOC	[1916.000,1190.000]
	COMPSTIDE	BOT
	FPLIST	CAPC3216X127N_1206

Object	Property Name	Property Value
1 : C17/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VADiso+5v
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C17/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	ADiso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4270770 : R81	Name	INS4270770
	ID	1512
	Reference	R81
	Designator	
	Part Reference	R81
	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1397.000,1495.000]
	COMPSIDE	TOP
	FPLIST	RESC3216X70N_1206

Object	Property Name	Property Value
1 : R81/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4286052
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R81/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N4284271
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS664565 : C76	Name	INS664565
	ID	941
	Reference	C76
	Designator	
	Part Reference	C76
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1823.000,410.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C76/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4581341
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C76/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5229560 : C62	Name	INS5229560
	ID	1983
	Reference	C62
	Designator	
	Part Reference	C62
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPMP7343X430N
	GROUP	3
	FPLIST	
	COMPSIDE	BOT
	COMPLOC	[1785.933,1197.400]
	COMPROT	270
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	7343
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	VOLTAGE	
	PART TYPE	

Object	Property Name	Property Value
1 : C62/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5229534
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C62/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4803344 : C47	Name	INS4803344
	ID	1804
	Reference	C47
	Designator	
	Part Reference	C47
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C47/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C47/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VAA-5,0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5174012 : J15	Name	INS5174012
	ID	1968
	Reference	J15
	Designator	
	Part Reference	J15
	Value	PHONEJACK STEREO
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PACKAGE	1X3 0.1
	PCB Footprint	HDR1X3

Object	Property Name	Property Value
A : J15/A	Name	A
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N5190053
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
B : J15/B	Name	B
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5180754
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
C : J15/C	Name	C
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	GND_IN
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS6104224 : R116	Name	INS6104224
	ID	2752
	Reference	R116
	Designator	
	Part Reference	R116
	Value	1K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC2013X60N_0805
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	0805
	COMPHEIGHT	23.617
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	0
	COMPLOC	[1818.000,930.000]
	COMPSIDE	BOT
	FPLIST	RESC3216X70N_1206
	GROUP	3

Object	Property Name	Property Value
1 : R116/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N6107743
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R116/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N6105874
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS576598 : TP5	Name	INS576598
	ID	669
	Reference	TP5
	Designator	
	Part Reference	TP5
	Value	TEST POINT
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[805.000,584.000]
	COMPROT	0
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	SQ POST
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	PCB Footprint	MISC_VIA-TP

Object	Property Name	Property Value
1 : TP5/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N4038913
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS3864449 : C69	Name	INS3864449
	ID	1055
	Reference	C69
	Designator	
	Part Reference	C69
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C69/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Diso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C69/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	VDDiso+5v
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS656081 : U9	Name	INS656081
	ID	915
	Reference	U9
	Designator	
	Part Reference	U9
	Value	LM3480-3.3v
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOT95P237X112-3N_132
	Manufacturer	NATIONAL SEMI
	Manufacturer PN	LM3480IM3-3.3/NOPB
	PACKAGE	SOT23

Object	Property Name	Property Value
Out : U9/Out	Name	Out
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
In : U9/In	Name	In
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	Vpwr+12v
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
GND : U9/GND	Name	GND
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS4711330 : C42	Name	INS4711330
	ID	1760
	Reference	C42
	Designator	
	Part Reference	C42
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAMP7343X430N
	GROUP	3
	Manufacturer	GENERIC
	Manufacturer PN	GENERIC
	PACKAGE	7343
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	3
	COMPROT	270
	COMPLOC	[1608.000,1245.000]
	COMPSIDE	TOP
	FPLIST	
	PART TYPE	Tantalum
	VOLTAGE	16v

Object	Property Name	Property Value
1 : C42/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VDD-3.3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C42/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS657495 : U10	Name	INS657495
	ID	931
	Reference	U10
	Designator	
	Part Reference	U10
	Value	LM3480-5.0v
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	COMPGROUP	3
	PCB Footprint	SOT95P237X112-3N_132
	Manufacturer	NATIONAL SEMI
	Manufacturer PN	LM3480IM3-3.3/NOPB
	PACKAGE	SOT23

Object	Property Name	Property Value
Out : U10/Out	Name	Out
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	VAA-5.0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
In : U10/In	Name	In
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	Vpwr+12v
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
GND : U10/GND	Name	GND
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS652549 : C59	Name	INS652549
	ID	902
	Reference	C59
	Designator	
	Part Reference	C59
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMP SIDE	BOT
	COMPLOC	[1916.000,1190.000]
	COMPROT	90
	COMP GROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C59/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N652855
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C59/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	AVss
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS5660433 : R75	Name	INS5660433
	ID	2553
	Reference	R75
	Designator	
	Part Reference	R75
	Value	NS
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	RESC2013X60N_0805
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[3721.000,1680.000]
	COMPROT	180
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	23.617

Object	Property Name	Property Value
1 : R75/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R75/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N5660251
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS576194 : C50	Name	INS576194
	ID	730
	Reference	C50
	Designator	
	Part Reference	C50
	Value	.1 uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	GROUP	3
	PCB Footprint	CAPC2013X130N_0805
	FPLIST	CAPC3216X127N_1206
	COMPSIDE	TOP
	COMPLOC	[1397.000,1586.000]
	COMPROT	180
	COMPGROUP	3
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	PACKAGE	0805
	Manufacturer PN	GENERIC
	Manufacturer	GENERIC

Object	Property Name	Property Value
1 : C50/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N576268
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C50/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False