Object	Property Name	Property Value
Ellipse	Name	I16379192
	Bounding Box Left	2175
	Bounding Box Right	2305
	Bounding Box Top	120
	Bounding Box Bottom	180
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I16379212
	Bounding Box Left	2545
	Bounding Box Right	2655
	Bounding Box Top	710
	Bounding Box Bottom	760
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I16379216
	Left	2885
	Top	1755
	Right	3165
	Bottom	1875
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Bitmap	Name	I16379230
	Left	2345
	Top	1820
	Right	2493
	Bottom	1932

Object	Property Name	Property Value
NEW 400v Relays 2/2022 DF Relays 50ma x 8 = 400ma 350Vdc SSR 15ma x 4 = 60ma 48vdc SSR 12ma x 1 = 12ma	Name	I16379180
	Bounding Box Left	2335
	Bounding Box Right	2473
	Bounding Box Top	130
	Bounding Box Bottom	166
	Text	NEW 400v Relays 2/2022 DF Relays 50ma x 8 = 400ma 350Vdc SSR 15ma
	Text Location X-Coordinate	2335
	Text Location Y-Coordinate	130
	Font	Arial

Object	Property Name	Property Value
Phoenix	Name	I16379182
	Bounding Box Left	1455
	Bounding Box Right	1490
	Bounding Box Top	480
	Bounding Box Bottom	489
	Text	Phoenix
	Text Location X-Coordinate	1455
	Text Location Y-Coordinate	480
	Font	Arial

Object	Property Name	Property Value
Rev D: ?	Name	I16379184
	Bounding Box Left	2715
	Bounding Box Right	2748
	Bounding Box Top	1735
	Bounding Box Bottom	1753
	Text	Rev D: ?
	Text Location X-Coordinate	2715
	Text Location Y-Coordinate	1735
	Font	Arial

Object	Property Name	Property Value
Rev F: Changed drivers from source to sink. Changed current sense input to 500 mV/A. Added 8 more output channels.	Name	I16379186
	Bounding Box Left	2710
	Bounding Box Right	2890
	Bounding Box Top	1785
	Bounding Box Bottom	1821
	Text	Rev F: Changed drivers from source to sink. Changed current sense input to 5
	Text Location X-Coordinate	2710
	Text Location Y-Coordinate	1785
	Font	Arial

Object	Property Name	Property Value
Rev E: Added U4 SR latch Added input protection resistors	Name	I16379188
	Bounding Box Left	2715
	Bounding Box Right	2849
	Bounding Box Top	1755
	Bounding Box Bottom	1782
	Text	Rev E: Added U4 SR latch Added input protection resistors
	Text Location X-Coordinate	2715
	Text Location Y-Coordinate	1755
	Font	Arial

Object	Property Name	Property Value
Rev C: Connector change Deletion of extra wire ways	Name	I16379190
	Bounding Box Left	2715
	Bounding Box Right	2831
	Bounding Box Top	1705
	Bounding Box Bottom	1732
	Text	Rev C: Connector change Deletion of extra wire ways
	Text Location X-Coordinate	2715
	Text Location Y-Coordinate	1705
	Font	Arial

Object	Property Name	Property Value
Pinout of new outputs?	Name	I16379194
	Bounding Box Left	2555
	Bounding Box Right	2653
	Bounding Box Top	730
	Bounding Box Bottom	739
	Text	Pinout of new outputs?
	Text Location X-Coordinate	2555
	Text Location Y-Coordinate	730
	Font	Arial

Object	Property Name	Property Value
Phoenix	Name	I16379196
	Bounding Box Left	1245
	Bounding Box Right	1280
	Bounding Box Top	980
	Bounding Box Bottom	989
	Text	Phoenix
	Text Location X-Coordinate	1245
	Text Location Y-Coordinate	980
	Font	Arial

Object	Property Name	Property Value
Scaling is 0.5 V / A	Name	I16379198
	Bounding Box Left	2890
	Bounding Box Right	2972
	Bounding Box Top	1735
	Bounding Box Bottom	1744
	Text	Scaling is 0.5 V / A
	Text Location X-Coordinate	2890
	Text Location Y-Coordinate	1735
	Font	Arial

Object	Property Name	Property Value
Phoenix	Name	I16379200
	Bounding Box Left	1245
	Bounding Box Right	1280
	Bounding Box Top	1780
	Bounding Box Bottom	1789
	Text	Phoenix
	Text Location X-Coordinate	1245
	Text Location Y-Coordinate	1780
	Font	Arial

Object	Property Name	Property Value
TE CONNECTIVITY	Name	I16379202
	Bounding Box Left	2575
	Bounding Box Right	2661
	Bounding Box Top	810
	Bounding Box Bottom	819
	Text	TE CONNECTIVITY
	Text Location X-Coordinate	2575
	Text Location Y-Coordinate	810
	Font	Arial

Object	Property Name	Property Value
20-pin ribbon cable to relay card	Name	I16379204
	Bounding Box Left	2575
	Bounding Box Right	2655
	Bounding Box Top	840
	Bounding Box Bottom	858
	Text	20-pin ribbon cable to relay card
	Text Location X-Coordinate	2575
	Text Location Y-Coordinate	840
	Font	Arial

Object	Property Name	Property Value
TE CONNECTIVITY	Name	I16379206
	Bounding Box Left	2840
	Bounding Box Right	2926
	Bounding Box Top	1120
	Bounding Box Bottom	1129
	Text	TE CONNECTIVITY
	Text Location X-Coordinate	2840
	Text Location Y-Coordinate	1120
	Font	Arial

Object	Property Name	Property Value
How much current does each relay need? IC package has total current limit of 2.5 A.	Name	I16379208
	Bounding Box Left	2195
	Bounding Box Right	2303
	Bounding Box Top	130
	Bounding Box Bottom	166
	Text	How much current does each relay need? IC package has total current limit of
	Text Location X-Coordinate	2195
	Text Location Y-Coordinate	130
	Font	Arial

Object	Property Name	Property Value
Drawn by: P McGill, C Dawe, D Thompson and D French	Name	I16379210
	Bounding Box Left	2845
	Bounding Box Right	3085
	Bounding Box Top	1900
	Bounding Box Bottom	1909
	Text	Drawn by: P McGill, C Dawe, D Thompson and D French
	Text Location X-Coordinate	2845
	Text Location Y-Coordinate	1900
	Font	Arial

Object	Property Name	Property Value
Board dimensions to be the same as Relay Board VEN2016-003. With the same mounting holes	Name	I16379214
	Bounding Box Left	2895
	Bounding Box Right	3160
	Bounding Box Top	1765
	Bounding Box Bottom	1849
	Text	Board dimensions to be the same as Relay Board VEN2016-003. With the sa
	Text Location X-Coordinate	2895
	Text Location Y-Coordinate	1765
	Font	Arial

Object	Property Name	Property Value
MOUNTING HOLES # 6 WITH WASHER	Name	I16379232
	Bounding Box Left	2265
	Bounding Box Right	2458
	Bounding Box Top	1620
	Bounding Box Bottom	1631
	Text	MOUNTING HOLES # 6 WITH WASHER
	Text Location X-Coordinate	2265
	Text Location Y-Coordinate	1620
	Font	Arial

Object	Property Name	Property Value
5 VDC IN	Name	I16379234
	Bounding Box Left	1175
	Bounding Box Right	1233
	Bounding Box Top	1740
	Bounding Box Bottom	1753
	Text	5 VDC IN
	Text Location X-Coordinate	1175
	Text Location Y-Coordinate	1740
	Font	Arial

Object	Property Name	Property Value
TEST POINTS	Name	I16379236
	Bounding Box Left	1545
	Bounding Box Right	1634
	Bounding Box Top	1650
	Bounding Box Bottom	1663
	Text	TEST POINTS
	Text Location X-Coordinate	1545
	Text Location Y-Coordinate	1650
	Font	Arial

Object	Property Name	Property Value
UNUSED	Name	I16379238
	Bounding Box Left	2265
	Bounding Box Right	2308
	Bounding Box Top	1770
	Bounding Box Bottom	1781
	Text	UNUSED
	Text Location X-Coordinate	2265
	Text Location Y-Coordinate	1770
	Font	Arial

Object	Property Name	Property Value
INTSW4	Name	I16379242
	Bounding Box Left	1320
	Bounding Box Right	1357
	Bounding Box Top	275
	Bounding Box Bottom	284
	Text	INTSW4
	Text Location X-Coordinate	1320
	Text Location Y-Coordinate	275
	Font	Arial

Object	Property Name	Property Value
GFD 350v (1-N)	Name	I16379244
	Bounding Box Left	1315
	Bounding Box Right	1385
	Bounding Box Top	380
	Bounding Box Bottom	389
	Text	GFD 350v (1-N)
	Text Location X-Coordinate	1315
	Text Location Y-Coordinate	380
	Font	Arial

Object	Property Name	Property Value
GFD 350COM (1-N)	Name	I16379246
	Bounding Box Left	1305
	Bounding Box Right	1390
	Bounding Box Top	390
	Bounding Box Bottom	399
	Text	GFD 350COM (1-N)
	Text Location X-Coordinate	1305
	Text Location Y-Coordinate	390
	Font	Arial

Object	Property Name	Property Value
350v DF#3	Name	I16379248
	Bounding Box Left	1305
	Bounding Box Right	1354
	Bounding Box Top	400
	Bounding Box Bottom	409
	Text	350v DF#3
	Text Location X-Coordinate	1305
	Text Location Y-Coordinate	400
	Font	Arial

Object	Property Name	Property Value
350v DF#1	Name	I16379250
	Bounding Box Left	1310
	Bounding Box Right	1359
	Bounding Box Top	370
	Bounding Box Bottom	379
	Text	350v DF#1
	Text Location X-Coordinate	1310
	Text Location Y-Coordinate	370
	Font	Arial

Object	Property Name	Property Value
GFD 350v (2-N)	Name	I16379252
	Bounding Box Left	1315
	Bounding Box Right	1385
	Bounding Box Top	420
	Bounding Box Bottom	429
	Text	GFD 350v (2-N)
	Text Location X-Coordinate	1315
	Text Location Y-Coordinate	420
	Font	Arial

Object	Property Name	Property Value
GFD 350COM (2-N)	Name	I16379254
	Bounding Box Left	1305
	Bounding Box Right	1390
	Bounding Box Top	430
	Bounding Box Bottom	439
	Text	GFD 350COM (2-N)
	Text Location X-Coordinate	1305
	Text Location Y-Coordinate	430
	Font	Arial

Object	Property Name	Property Value
GFD TEST (N)	Name	I16379256
	Bounding Box Left	1305
	Bounding Box Right	1368
	Bounding Box Top	440
	Bounding Box Bottom	449
	Text	GFD TEST (N)
	Text Location X-Coordinate	1305
	Text Location Y-Coordinate	440
	Font	Arial

Object	Property Name	Property Value
350v DF#4	Name	I16379258
	Bounding Box Left	1310
	Bounding Box Right	1359
	Bounding Box Top	410
	Bounding Box Bottom	419
	Text	350v DF#4
	Text Location X-Coordinate	1310
	Text Location Y-Coordinate	410
	Font	Arial

Object	Property Name	Property Value
350v SSR#1	Name	I16379260
	Bounding Box Left	1295
	Bounding Box Right	1350
	Bounding Box Top	870
	Bounding Box Bottom	879
	Text	350v SSR#1
	Text Location X-Coordinate	1295
	Text Location Y-Coordinate	870
	Font	Arial

Object	Property Name	Property Value
350v SSR#2	Name	I16379262
	Bounding Box Left	1295
	Bounding Box Right	1350
	Bounding Box Top	880
	Bounding Box Bottom	889
	Text	350v SSR#2
	Text Location X-Coordinate	1295
	Text Location Y-Coordinate	880
	Font	Arial

Object	Property Name	Property Value
350v SSR#3	Name	I16379264
	Bounding Box Left	1295
	Bounding Box Right	1350
	Bounding Box Top	890
	Bounding Box Bottom	899
	Text	350v SSR#3
	Text Location X-Coordinate	1295
	Text Location Y-Coordinate	890
	Font	Arial

Object	Property Name	Property Value
350v SSR#4	Name	I16379266
	Bounding Box Left	1295
	Bounding Box Right	1350
	Bounding Box Top	900
	Bounding Box Bottom	909
	Text	350v SSR#4
	Text Location X-Coordinate	1295
	Text Location Y-Coordinate	900
	Font	Arial

Object	Property Name	Property Value
350v DF#2	Name	I16379268
	Bounding Box Left	1305
	Bounding Box Right	1354
	Bounding Box Top	920
	Bounding Box Bottom	929
	Text	350v DF#2
	Text Location X-Coordinate	1305
	Text Location Y-Coordinate	920
	Font	Arial

Object	Property Name	Property Value
24V	Name	I16379270
	Bounding Box Left	1295
	Bounding Box Right	1313
	Bounding Box Top	950
	Bounding Box Bottom	959
	Text	24V
	Text Location X-Coordinate	1295
	Text Location Y-Coordinate	950
	Font	Arial

Object	Property Name	Property Value
24C	Name	I16379272
	Bounding Box Left	1305
	Bounding Box Right	1324
	Bounding Box Top	960
	Bounding Box Bottom	969
	Text	24C
	Text Location X-Coordinate	1305
	Text Location Y-Coordinate	960
	Font	Arial

Object	Property Name	Property Value
J5 J9 J7: USE PHOENIX HEADER 1881529 CONNECTOR 1881406	Name	I16379274
	Bounding Box Left	1155
	Bounding Box Right	1296
	Bounding Box Top	250
	Bounding Box Bottom	302
	Text	J5 J9 J7: USE PHOENIX HEADER 1881529 CONNECTOR 1881406
	Text Location X-Coordinate	1155
	Text Location Y-Coordinate	250
	Font	Arial

Object	Property Name	Property Value
J8: USE PHOENIX HEADER 1881464 CONNECTOR 1881341	Name	I16379276
	Bounding Box Left	1085
	Bounding Box Right	1226
	Bounding Box Top	1650
	Bounding Box Bottom	1702
	Text	J8: USE PHOENIX HEADER 1881464 CONNECTOR 1881341
	Text Location X-Coordinate	1085
	Text Location Y-Coordinate	1650
	Font	Arial

Object	Property Name	Property Value
350v DF#1	Name	I16379282
	Bounding Box Left	1985
	Bounding Box Right	2034
	Bounding Box Top	125
	Bounding Box Bottom	134
	Text	350v DF#1
	Text Location X-Coordinate	1985
	Text Location Y-Coordinate	125
	Font	Arial

Object	Property Name	Property Value
350v DF#3	Name	I16379284
	Bounding Box Left	1965
	Bounding Box Right	2014
	Bounding Box Top	310
	Bounding Box Bottom	319
	Text	350v DF#3
	Text Location X-Coordinate	1965
	Text Location Y-Coordinate	310
	Font	Arial

Object	Property Name	Property Value
350v DF#4	Name	I16379286
	Bounding Box Left	1965
	Bounding Box Right	2014
	Bounding Box Top	365
	Bounding Box Bottom	374
	Text	350v DF#4
	Text Location X-Coordinate	1965
	Text Location Y-Coordinate	365
	Font	Arial

Object	Property Name	Property Value
350v DF#2	Name	I16379288
	Bounding Box Left	1955
	Bounding Box Right	2004
	Bounding Box Top	925
	Bounding Box Bottom	934
	Text	350v DF#2
	Text Location X-Coordinate	1955
	Text Location Y-Coordinate	925
	Font	Arial

Object	Property Name	Property Value
350v SSR#1	Name	I16379290
	Bounding Box Left	1965
	Bounding Box Right	2020
	Bounding Box Top	625
	Bounding Box Bottom	634
	Text	350v SSR#1
	Text Location X-Coordinate	1965
	Text Location Y-Coordinate	625
	Font	Arial

Object	Property Name	Property Value
350v SSR#2	Name	I16379292
	Bounding Box Left	1965
	Bounding Box Right	2020
	Bounding Box Top	685
	Bounding Box Bottom	694
	Text	350v SSR#2
	Text Location X-Coordinate	1965
	Text Location Y-Coordinate	685
	Font	Arial

Object	Property Name	Property Value
350v SSR#3	Name	I16379294
	Bounding Box Left	1970
	Bounding Box Right	2025
	Bounding Box Top	745
	Bounding Box Bottom	754
	Text	350v SSR#3
	Text Location X-Coordinate	1970
	Text Location Y-Coordinate	745
	Font	Arial

Object	Property Name	Property Value
350v SSR#4	Name	I16379296
	Bounding Box Left	1970
	Bounding Box Right	2025
	Bounding Box Top	805
	Bounding Box Bottom	814
	Text	350v SSR#4
	Text Location X-Coordinate	1970
	Text Location Y-Coordinate	805
	Font	Arial

Object	Property Name	Property Value
GFD 350v (1-N)	Name	I16379298
	Bounding Box Left	1965
	Bounding Box Right	2035
	Bounding Box Top	190
	Bounding Box Bottom	199
	Text	GFD 350v (1-N)
	Text Location X-Coordinate	1965
	Text Location Y-Coordinate	190
	Font	Arial

Object	Property Name	Property Value
GFD 350COM (1-N)	Name	I16379300
	Bounding Box Left	1955
	Bounding Box Right	2040
	Bounding Box Top	250
	Bounding Box Bottom	259
	Text	GFD 350COM (1-N)
	Text Location X-Coordinate	1955
	Text Location Y-Coordinate	250
	Font	Arial

Object	Property Name	Property Value
GFD 350v (2-N)	Name	I16379302
	Bounding Box Left	1960
	Bounding Box Right	2030
	Bounding Box Top	430
	Bounding Box Bottom	439
	Text	GFD 350v (2-N)
	Text Location X-Coordinate	1960
	Text Location Y-Coordinate	430
	Font	Arial

Object	Property Name	Property Value
GFD 350COM (2-N)	Name	I16379304
	Bounding Box Left	1955
	Bounding Box Right	2040
	Bounding Box Top	490
	Bounding Box Bottom	499
	Text	GFD 350COM (2-N)
	Text Location X-Coordinate	1955
	Text Location Y-Coordinate	490
	Font	Arial

Object	Property Name	Property Value
GFD TEST (N)	Name	I16379306
	Bounding Box Left	1955
	Bounding Box Right	2018
	Bounding Box Top	550
	Bounding Box Bottom	559
	Text	GFD TEST (N)
	Text Location X-Coordinate	1955
	Text Location Y-Coordinate	550
	Font	Arial

Object	Property Name	Property Value
CONNECT J6 Pin 1 350v SSR#1 J6 Pin 2 350v SSR#2 J6 Pin 3 350v SSR#3 J6 Pin 4 350v SSR#4 J6 Pin 5 GFD 350COM (1-N) J6 Pin 6 350v DF#3 J6 Pin 7 350v DF#4 J6 Pin 8 GFD 350v (	Name	I16379308
	Bounding Box Left	2835
	Bounding Box Right	3013
	Bounding Box Top	325
	Bounding Box Bottom	585
	Text	CONNECT J6 Pin 1 350v SSR#1 J6 Pin 2 350v SSR#2 J6 Pin 3 350v SSR#3
	Text Location X-Coordinate	2835
	Text Location Y-Coordinate	325
	Font	Arial

Object	Property Name	Property Value
8-SOIC (0.154", 3.90mm Width)	Name	I16379310
	Bounding Box Left	1635
	Bounding Box Right	1846
	Bounding Box Top	70
	Bounding Box Bottom	85
	Text	8-SOIC (0.154, 3.90mm Width)
	Text Location X-Coordinate	1635
	Text Location Y-Coordinate	70
	Font	Arial

Object	Property Name	Property Value
TO DENKOVI DAEnetIP4	Name	I16386776
	Bounding Box Left	1525
	Bounding Box Right	1678
	Bounding Box Top	1355
	Bounding Box Bottom	1368
	Text	TO DENKOVI DAEnetIP4
	Text Location X-Coordinate	1525
	Text Location Y-Coordinate	1355
	Font	Arial

Object	Property Name	Property Value
FROM CURRENT MONITOR BOARD	Name	I16387172
	Bounding Box Left	1510
	Bounding Box Right	1624
	Bounding Box Top	1185
	Bounding Box Bottom	1211
	Text	FROM CURRENT MONITOR BOARD
	Text Location X-Coordinate	1510
	Text Location Y-Coordinate	1185
	Font	Arial

Object	Property Name	Property Value
N16375446 (Wire ID = 16375446)	Net Name	N16375446
	ID	16390352

Object	Property Name	Property Value
N16375446 (Wire ID = 16375448)	Net Name	N16375446
	ID	16390352

Object	Property Name	Property Value
N16375446 (Wire ID = 16375452)	Net Name	N16375446
	ID	16390352

Object	Property Name	Property Value
N16375446 (Wire ID = 16375454)	Net Name	N16375446
	ID	16390352

Object	Property Name	Property Value
N16375456 (Wire ID = 16375456)	Net Name	N16375456
	ID	16390380

Object	Property Name	Property Value
N16375456 (Wire ID = 16375458)	Net Name	N16375456
	ID	16390380

Object	Property Name	Property Value
N16375446 (Wire ID = 16375460)	Net Name	N16375446
	ID	16390352

Object	Property Name	Property Value
N16375470 (Wire ID = 16375470)	Net Name	N16375470
	ID	16390581

Object	Property Name	Property Value
N16375470 (Wire ID = 16375472)	Net Name	N16375470
	ID	16390581

Object	Property Name	Property Value
N16375470 (Wire ID = 16375476)	Net Name	N16375470
	ID	16390581

Object	Property Name	Property Value
N16375470 (Wire ID = 16375478)	Net Name	N16375470
	ID	16390581

Object	Property Name	Property Value
N16375480 (Wire ID = 16375480)	Net Name	N16375480
	ID	16390445

Object	Property Name	Property Value
N16375480 (Wire ID = 16375482)	Net Name	N16375480
	ID	16390445

Object	Property Name	Property Value
N16375470 (Wire ID = 16375484)	Net Name	N16375470
	ID	16390581

Object	Property Name	Property Value
N16375494 (Wire ID = 16375494)	Net Name	N16375494
	ID	16390458

Object	Property Name	Property Value
N16375494 (Wire ID = 16375496)	Net Name	N16375494
	ID	16390458

Object	Property Name	Property Value
N16375494 (Wire ID = 16375500)	Net Name	N16375494
	ID	16390458

Object	Property Name	Property Value
N16375494 (Wire ID = 16375502)	Net Name	N16375494
	ID	16390458

Object	Property Name	Property Value
N16375504 (Wire ID = 16375504)	Net Name	N16375504
	ID	16390286

Object	Property Name	Property Value
N16375504 (Wire ID = 16375506)	Net Name	N16375504
	ID	16390286

Object	Property Name	Property Value
N16375494 (Wire ID = 16375508)	Net Name	N16375494
	ID	16390458

Object	Property Name	Property Value
N16375456 (Wire ID = 16375512)	Net Name	N16375456
	ID	16390380

Object	Property Name	Property Value
350v DF#1 (Wire ID = 16375514)	Net Name	350v DF#1
	ID	16390294

Object	Property Name	Property Value
350v DF#1 (Wire ID = 16375516)	Net Name	350v DF#1
	ID	16390294

Object	Property Name	Property Value
N16375480 (Wire ID = 16375524)	Net Name	N16375480
	ID	16390445

Object	Property Name	Property Value
GFD 350v (1-N) (Wire ID = 16375526)	Net Name	GFD 350v (1-N)
	ID	16390400

Object	Property Name	Property Value
GFD 350v (1-N) (Wire ID = 16375528)	Net Name	GFD 350v (1-N)
	ID	16390400

Object	Property Name	Property Value
N16375530 (Wire ID = 16375530)	Net Name	N16375530
	ID	16390406

Object	Property Name	Property Value
N16375530 (Wire ID = 16375532)	Net Name	N16375530
	ID	16390406

Object	Property Name	Property Value
N16375530 (Wire ID = 16375536)	Net Name	N16375530
	ID	16390406

Object	Property Name	Property Value
N16375530 (Wire ID = 16375538)	Net Name	N16375530
	ID	16390406

Object	Property Name	Property Value
N16375540 (Wire ID = 16375540)	Net Name	N16375540
	ID	16390413

Object	Property Name	Property Value
N16375540 (Wire ID = 16375542)	Net Name	N16375540
	ID	16390413

Object	Property Name	Property Value
N16375504 (Wire ID = 16375544)	Net Name	N16375504
	ID	16390286

Object	Property Name	Property Value
GFD 350COM (1-N) (Wire ID = 16375546)	Net Name	GFD 350COM (1-N)
	ID	16390519

Object	Property Name	Property Value
GFD 350COM (1-N) (Wire ID = 16375548)	Net Name	GFD 350COM (1-N)
	ID	16390519

Object	Property Name	Property Value
N16375530 (Wire ID = 16375550)	Net Name	N16375530
	ID	16390406

Object	Property Name	Property Value
N16375540 (Wire ID = 16375554)	Net Name	N16375540
	ID	16390413

Object	Property Name	Property Value
350v DF#3 (Wire ID = 16375556)	Net Name	350v DF#3
	ID	16390351

Object	Property Name	Property Value
350v DF#3 (Wire ID = 16375558)	Net Name	350v DF#3
	ID	16390351

Object	Property Name	Property Value
N16375568 (Wire ID = 16375568)	Net Name	N16375568
	ID	16390424

Object	Property Name	Property Value
N16375568 (Wire ID = 16375570)	Net Name	N16375568
	ID	16390424

Object	Property Name	Property Value
350v DF#4 (Wire ID = 16375572)	Net Name	350v DF#4
	ID	16390312

Object	Property Name	Property Value
350v DF#4 (Wire ID = 16375574)	Net Name	350v DF#4
	ID	16390312

Object	Property Name	Property Value
24V (Wire ID = 16375576)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
N16375578 (Wire ID = 16375578)	Net Name	N16375578
	ID	16390308

Object	Property Name	Property Value
N16375578 (Wire ID = 16375580)	Net Name	N16375578
	ID	16390308

Object	Property Name	Property Value
N16375578 (Wire ID = 16375584)	Net Name	N16375578
	ID	16390308

Object	Property Name	Property Value
N16375578 (Wire ID = 16375586)	Net Name	N16375578
	ID	16390308

Object	Property Name	Property Value
N16375446 (Wire ID = 16375588)	Net Name	N16375446
	ID	16390352

Object	Property Name	Property Value
N16375590 (Wire ID = 16375590)	Net Name	N16375590
	ID	16390333

Object	Property Name	Property Value
N16375590 (Wire ID = 16375592)	Net Name	N16375590
	ID	16390333

Object	Property Name	Property Value
GFD 350v (2-N) (Wire ID = 16375594)	Net Name	GFD 350v (2-N)
	ID	16390631

Object	Property Name	Property Value
GFD 350v (2-N) (Wire ID = 16375596)	Net Name	GFD 350v (2-N)
	ID	16390631

Object	Property Name	Property Value
N16375470 (Wire ID = 16375598)	Net Name	N16375470
	ID	16390581

Object	Property Name	Property Value
N16375578 (Wire ID = 16375600)	Net Name	N16375578
	ID	16390308

Object	Property Name	Property Value
N16375494 (Wire ID = 16375602)	Net Name	N16375494
	ID	16390458

Object	Property Name	Property Value
N16375604 (Wire ID = 16375604)	Net Name	N16375604
	ID	16390301

Object	Property Name	Property Value
N16375604 (Wire ID = 16375606)	Net Name	N16375604
	ID	16390301

Object	Property Name	Property Value
GFD 350COM (2-N) (Wire ID = 16375608)	Net Name	GFD 350COM (2-N)
	ID	16390419

Object	Property Name	Property Value
GFD 350COM (2-N) (Wire ID = 16375610)	Net Name	GFD 350COM (2-N)
	ID	16390419

Object	Property Name	Property Value
N16375530 (Wire ID = 16375612)	Net Name	N16375530
	ID	16390406

Object	Property Name	Property Value
N16375578 (Wire ID = 16375616)	Net Name	N16375578
	ID	16390308

Object	Property Name	Property Value
N16375622 (Wire ID = 16375622)	Net Name	N16375622
	ID	16390586

Object	Property Name	Property Value
N16375622 (Wire ID = 16375624)	Net Name	N16375622
	ID	16390586

Object	Property Name	Property Value
GFD TEST (N) (Wire ID = 16375626)	Net Name	GFD TEST (N)
	ID	16390466

Object	Property Name	Property Value
GFD TEST (N) (Wire ID = 16375628)	Net Name	GFD TEST (N)
	ID	16390466

Object	Property Name	Property Value
N16375630 (Wire ID = 16375630)	Net Name	N16375630
	ID	16390428

Object	Property Name	Property Value
N16375638 (Wire ID = 16375638)	Net Name	N16375638
	ID	16390280

Object	Property Name	Property Value
N16375638 (Wire ID = 16375640)	Net Name	N16375638
	ID	16390280

Object	Property Name	Property Value
N16375590 (Wire ID = 16375642)	Net Name	N16375590
	ID	16390333

Object	Property Name	Property Value
GND (Wire ID = 16375644)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16375646)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
24V (Wire ID = 16375648)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
N16375650 (Wire ID = 16375650)	Net Name	N16375650
	ID	16390305

Object	Property Name	Property Value
N16375650 (Wire ID = 16375652)	Net Name	N16375650
	ID	16390305

Object	Property Name	Property Value
N16375630 (Wire ID = 16375654)	Net Name	N16375630
	ID	16390428

Object	Property Name	Property Value
24V (Wire ID = 16375656)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
24V (Wire ID = 16375658)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
GND (Wire ID = 16375660)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16375662)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
N16375638 (Wire ID = 16375672)	Net Name	N16375638
	ID	16390280

Object	Property Name	Property Value
N16375604 (Wire ID = 16375674)	Net Name	N16375604
	ID	16390301

Object	Property Name	Property Value
N16375638 (Wire ID = 16375676)	Net Name	N16375638
	ID	16390280

Object	Property Name	Property Value
N16375650 (Wire ID = 16375682)	Net Name	N16375650
	ID	16390305

Object	Property Name	Property Value
N16375622 (Wire ID = 16375688)	Net Name	N16375622
	ID	16390586

Object	Property Name	Property Value
N16375650 (Wire ID = 16375690)	Net Name	N16375650
	ID	16390305

Object	Property Name	Property Value
N16375696 (Wire ID = 16375696)	Net Name	N16375696
	ID	16390544

Object	Property Name	Property Value
N16375696 (Wire ID = 16375698)	Net Name	N16375696
	ID	16390544

Object	Property Name	Property Value
N16375702 (Wire ID = 16375702)	Net Name	N16375702
	ID	16390597

Object	Property Name	Property Value
N16375702 (Wire ID = 16375704)	Net Name	N16375702
	ID	16390597

Object	Property Name	Property Value
N16375714 (Wire ID = 16375714)	Net Name	N16375714
	ID	16390548

Object	Property Name	Property Value
N16375714 (Wire ID = 16375716)	Net Name	N16375714
	ID	16390548

Object	Property Name	Property Value
N16375720 (Wire ID = 16375720)	Net Name	N16375720
	ID	16390346

Object	Property Name	Property Value
N16375720 (Wire ID = 16375722)	Net Name	N16375720
	ID	16390346

Object	Property Name	Property Value
N/C (Wire ID = 16375732)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
N/C (Wire ID = 16375734)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
N/C (Wire ID = 16375736)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
N16375738 (Wire ID = 16375738)	Net Name	N16375738
	ID	16390611

Object	Property Name	Property Value
N16375738 (Wire ID = 16375740)	Net Name	N16375738
	ID	16390611

Object	Property Name	Property Value
350v DF#2 (Wire ID = 16375744)	Net Name	350v DF#2
	ID	16390391

Object	Property Name	Property Value
350v DF#2 (Wire ID = 16375746)	Net Name	350v DF#2
	ID	16390391

Object	Property Name	Property Value
350v DF#2 (Wire ID = 16375748)	Net Name	350v DF#2
	ID	16390391

Object	Property Name	Property Value
N16375750 (Wire ID = 16375750)	Net Name	N16375750
	ID	16390489

Object	Property Name	Property Value
N16375750 (Wire ID = 16375752)	Net Name	N16375750
	ID	16390489

Object	Property Name	Property Value
350v SSR#4 (Wire ID = 16375754)	Net Name	350v SSR#4
	ID	16390284

Object	Property Name	Property Value
350v SSR#4 (Wire ID = 16375756)	Net Name	350v SSR#4
	ID	16390284

Object	Property Name	Property Value
350v SSR#4 (Wire ID = 16375758)	Net Name	350v SSR#4
	ID	16390284

Object	Property Name	Property Value
350v SSR#2 (Wire ID = 16375760)	Net Name	350v SSR#2
	ID	16390319

Object	Property Name	Property Value
350v SSR#2 (Wire ID = 16375762)	Net Name	350v SSR#2
	ID	16390319

Object	Property Name	Property Value
N16375702 (Wire ID = 16375766)	Net Name	N16375702
	ID	16390597

Object	Property Name	Property Value
350v SSR#1 (Wire ID = 16375768)	Net Name	350v SSR#1
	ID	16390525

Object	Property Name	Property Value
350v SSR#1 (Wire ID = 16375770)	Net Name	350v SSR#1
	ID	16390525

Object	Property Name	Property Value
N16375720 (Wire ID = 16375778)	Net Name	N16375720
	ID	16390346

Object	Property Name	Property Value
350v SSR#2 (Wire ID = 16375780)	Net Name	350v SSR#2
	ID	16390319

Object	Property Name	Property Value
N16375782 (Wire ID = 16375782)	Net Name	N16375782
	ID	16390640

Object	Property Name	Property Value
N16375782 (Wire ID = 16375784)	Net Name	N16375782
	ID	16390640

Object	Property Name	Property Value
N16375788 (Wire ID = 16375788)	Net Name	N16375788
	ID	16390378

Object	Property Name	Property Value
N16375788 (Wire ID = 16375790)	Net Name	N16375788
	ID	16390378

Object	Property Name	Property Value
N16375750 (Wire ID = 16375792)	Net Name	N16375750
	ID	16390489

Object	Property Name	Property Value
350v SSR#3 (Wire ID = 16375794)	Net Name	350v SSR#3
	ID	16390470

Object	Property Name	Property Value
350v SSR#3 (Wire ID = 16375796)	Net Name	350v SSR#3
	ID	16390470

Object	Property Name	Property Value
N16375788 (Wire ID = 16375800)	Net Name	N16375788
	ID	16390378

Object	Property Name	Property Value
350v SSR#4 (Wire ID = 16375802)	Net Name	350v SSR#4
	ID	16390284

Object	Property Name	Property Value
N16375812 (Wire ID = 16375812)	Net Name	N16375812
	ID	16390325

Object	Property Name	Property Value
N16375812 (Wire ID = 16375814)	Net Name	N16375812
	ID	16390325

Object	Property Name	Property Value
N/C (Wire ID = 16375816)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
N/C (Wire ID = 16375818)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
24V (Wire ID = 16375820)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
N16375822 (Wire ID = 16375822)	Net Name	N16375822
	ID	16390368

Object	Property Name	Property Value
N16375822 (Wire ID = 16375824)	Net Name	N16375822
	ID	16390368

Object	Property Name	Property Value
350v SSR#1 (Wire ID = 16375828)	Net Name	350v SSR#1
	ID	16390525

Object	Property Name	Property Value
350v SSR#3 (Wire ID = 16375830)	Net Name	350v SSR#3
	ID	16390470

Object	Property Name	Property Value
GFD 350COM (1-N) (Wire ID = 16375832)	Net Name	GFD 350COM (1-N)
	ID	16390519

Object	Property Name	Property Value
350v DF#4 (Wire ID = 16375834)	Net Name	350v DF#4
	ID	16390312

Object	Property Name	Property Value
350v DF#1 (Wire ID = 16375836)	Net Name	350v DF#1
	ID	16390294

Object	Property Name	Property Value
N/C (Wire ID = 16375838)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
N/C (Wire ID = 16375840)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
GFD 350COM (2-N) (Wire ID = 16375842)	Net Name	GFD 350COM (2-N)
	ID	16390419

Object	Property Name	Property Value
24V (Wire ID = 16375844)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
24V (Wire ID = 16375846)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
N16375696 (Wire ID = 16375848)	Net Name	N16375696
	ID	16390544

Object	Property Name	Property Value
N16375812 (Wire ID = 16375850)	Net Name	N16375812
	ID	16390325

Object	Property Name	Property Value
N16375852 (Wire ID = 16375852)	Net Name	N16375852
	ID	16390332

Object	Property Name	Property Value
N16375852 (Wire ID = 16375854)	Net Name	N16375852
	ID	16390332

Object	Property Name	Property Value
350v DF#2 (Wire ID = 16375856)	Net Name	350v DF#2
	ID	16390391

Object	Property Name	Property Value
350v SSR#3 (Wire ID = 16375858)	Net Name	350v SSR#3
	ID	16390470

Object	Property Name	Property Value
24V (Wire ID = 16375860)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
24V (Wire ID = 16375862)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
N16375714 (Wire ID = 16375864)	Net Name	N16375714
	ID	16390548

Object	Property Name	Property Value
N/C (Wire ID = 16375866)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
N16375738 (Wire ID = 16375868)	Net Name	N16375738
	ID	16390611

Object	Property Name	Property Value
N16375870 (Wire ID = 16375870)	Net Name	N16375870
	ID	16390300

Object	Property Name	Property Value
N16375870 (Wire ID = 16375872)	Net Name	N16375870
	ID	16390300

Object	Property Name	Property Value
N/C (Wire ID = 16375874)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
24V (Wire ID = 16375876)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
N16375782 (Wire ID = 16375878)	Net Name	N16375782
	ID	16390640

Object	Property Name	Property Value
24V (Wire ID = 16375882)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
N16375822 (Wire ID = 16375884)	Net Name	N16375822
	ID	16390368

Object	Property Name	Property Value
N16375890 (Wire ID = 16375890)	Net Name	N16375890
	ID	16390488

Object	Property Name	Property Value
N16375890 (Wire ID = 16375892)	Net Name	N16375890
	ID	16390488

Object	Property Name	Property Value
N/C (Wire ID = 16375894)	Net Name	N/C
	ID	16390585

Object	Property Name	Property Value
350v DF#1 (Wire ID = 16375896)	Net Name	350v DF#1
	ID	16390294

Object	Property Name	Property Value
N16375898 (Wire ID = 16375898)	Net Name	N16375898
	ID	16390498

Object	Property Name	Property Value
GFD 350COM (1-N) (Wire ID = 16375906)	Net Name	GFD 350COM (1-N)
	ID	16390519

Object	Property Name	Property Value
N16375908 (Wire ID = 16375908)	Net Name	N16375908
	ID	16390292

Object	Property Name	Property Value
N16375908 (Wire ID = 16375910)	Net Name	N16375908
	ID	16390292

Object	Property Name	Property Value
N16375852 (Wire ID = 16375912)	Net Name	N16375852
	ID	16390332

Object	Property Name	Property Value
GND (Wire ID = 16375914)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16375916)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
350v DF#4 (Wire ID = 16375918)	Net Name	350v DF#4
	ID	16390312

Object	Property Name	Property Value
N16375920 (Wire ID = 16375920)	Net Name	N16375920
	ID	16390524

Object	Property Name	Property Value
N16375920 (Wire ID = 16375922)	Net Name	N16375920
	ID	16390524

Object	Property Name	Property Value
24V (Wire ID = 16375924)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
GFD 350COM (2-N) (Wire ID = 16375926)	Net Name	GFD 350COM (2-N)
	ID	16390419

Object	Property Name	Property Value
24V (Wire ID = 16375928)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
GND (Wire ID = 16375932)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16375934)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
N16375908 (Wire ID = 16375942)	Net Name	N16375908
	ID	16390292

Object	Property Name	Property Value
N16375870 (Wire ID = 16375946)	Net Name	N16375870
	ID	16390300

Object	Property Name	Property Value
N16375920 (Wire ID = 16375956)	Net Name	N16375920
	ID	16390524

Object	Property Name	Property Value
N16375890 (Wire ID = 16375960)	Net Name	N16375890
	ID	16390488

Object	Property Name	Property Value
5V (Wire ID = 16375968)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
GND (Wire ID = 16375970)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16375972)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
5V (Wire ID = 16375974)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16375976)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16375978)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16375980)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16375982)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16375984)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16375986)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16375988)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
GND (Wire ID = 16375990)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16375992)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16375994)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16375996)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16375998)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376000)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376002)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376004)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
5V (Wire ID = 16376006)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16376008)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16376010)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16376012)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16376014)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16376016)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16376018)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16376020)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
GND (Wire ID = 16376022)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376024)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376026)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376028)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376030)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376032)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376034)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376036)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
N16375696 (Wire ID = 16376038)	Net Name	N16375696
	ID	16390544

Object	Property Name	Property Value
N16375696 (Wire ID = 16376040)	Net Name	N16375696
	ID	16390544

Object	Property Name	Property Value
N16375696 (Wire ID = 16376042)	Net Name	N16375696
	ID	16390544

Object	Property Name	Property Value
N16375714 (Wire ID = 16376044)	Net Name	N16375714
	ID	16390548

Object	Property Name	Property Value
N16375714 (Wire ID = 16376046)	Net Name	N16375714
	ID	16390548

Object	Property Name	Property Value
N16375714 (Wire ID = 16376048)	Net Name	N16375714
	ID	16390548

Object	Property Name	Property Value
N16375738 (Wire ID = 16376050)	Net Name	N16375738
	ID	16390611

Object	Property Name	Property Value
N16375738 (Wire ID = 16376052)	Net Name	N16375738
	ID	16390611

Object	Property Name	Property Value
N16375738 (Wire ID = 16376054)	Net Name	N16375738
	ID	16390611

Object	Property Name	Property Value
N16375782 (Wire ID = 16376056)	Net Name	N16375782
	ID	16390640

Object	Property Name	Property Value
N16375782 (Wire ID = 16376058)	Net Name	N16375782
	ID	16390640

Object	Property Name	Property Value
N16375782 (Wire ID = 16376060)	Net Name	N16375782
	ID	16390640

Object	Property Name	Property Value
N16375822 (Wire ID = 16376090)	Net Name	N16375822
	ID	16390368

Object	Property Name	Property Value
N16375822 (Wire ID = 16376092)	Net Name	N16375822
	ID	16390368

Object	Property Name	Property Value
N16375898 (Wire ID = 16376106)	Net Name	N16375898
	ID	16390498

Object	Property Name	Property Value
N16375898 (Wire ID = 16376108)	Net Name	N16375898
	ID	16390498

Object	Property Name	Property Value
N16375908 (Wire ID = 16376110)	Net Name	N16375908
	ID	16390292

Object	Property Name	Property Value
N16375908 (Wire ID = 16376112)	Net Name	N16375908
	ID	16390292

Object	Property Name	Property Value
N16375920 (Wire ID = 16376126)	Net Name	N16375920
	ID	16390524

Object	Property Name	Property Value
N16375920 (Wire ID = 16376128)	Net Name	N16375920
	ID	16390524

Object	Property Name	Property Value
N16375630 (Wire ID = 16376146)	Net Name	N16375630
	ID	16390428

Object	Property Name	Property Value
N16375638 (Wire ID = 16376160)	Net Name	N16375638
	ID	16390280

Object	Property Name	Property Value
N16375650 (Wire ID = 16376166)	Net Name	N16375650
	ID	16390305

Object	Property Name	Property Value
N16375568 (Wire ID = 16376184)	Net Name	N16375568
	ID	16390424

Object	Property Name	Property Value
N16376186 (Wire ID = 16376186)	Net Name	N16376186
	ID	16390291

Object	Property Name	Property Value
GND (Wire ID = 16376188)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
5V (Wire ID = 16376190)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16376192)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
GND (Wire ID = 16376194)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376196)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
5V (Wire ID = 16376198)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
GND (Wire ID = 16376200)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
N16376186 (Wire ID = 16376202)	Net Name	N16376186
	ID	16390291

Object	Property Name	Property Value
5V (Wire ID = 16376204)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16376206)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
GND (Wire ID = 16376208)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376210)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376212)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376214)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376216)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376218)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376220)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16376222)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
24V (Wire ID = 16376224)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
24V (Wire ID = 16376226)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
U5 - 3C (Wire ID = 16376230)	Net Name	U5 - 3C
	ID	16390537

Object	Property Name	Property Value
24V (Wire ID = 16376232)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
24V (Wire ID = 16376234)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
24V (Wire ID = 16376236)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
24V (Wire ID = 16376238)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
24V (Wire ID = 16376240)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
U6 - 1C (Wire ID = 16376242)	Net Name	U6 - 1C
	ID	16390427

Object	Property Name	Property Value
U6 - 3C (Wire ID = 16376244)	Net Name	U6 - 3C
	ID	16390356

Object	Property Name	Property Value
U5 - 5C (Wire ID = 16376246)	Net Name	U5 - 5C
	ID	16390416

Object	Property Name	Property Value
U5 - 1C (Wire ID = 16376248)	Net Name	U5 - 1C
	ID	16390440

Object	Property Name	Property Value
U6 - 5C (Wire ID = 16376250)	Net Name	U6 - 5C
	ID	16390473

Object	Property Name	Property Value
U6 - 7C (Wire ID = 16376252)	Net Name	U6 - 7C
	ID	16390454

Object	Property Name	Property Value
U5 - 7C (Wire ID = 16376254)	Net Name	U5 - 7C
	ID	16390395

Object	Property Name	Property Value
U6 - 2C (Wire ID = 16376256)	Net Name	U6 - 2C
	ID	16390634

Object	Property Name	Property Value
U6 - 4C (Wire ID = 16376258)	Net Name	U6 - 4C
	ID	16390298

Object	Property Name	Property Value
U5 - 4C (Wire ID = 16376260)	Net Name	U5 - 4C
	ID	16390589

Object	Property Name	Property Value
U5 - 2C (Wire ID = 16376262)	Net Name	U5 - 2C
	ID	16390323

Object	Property Name	Property Value
U6 - 6C (Wire ID = 16376264)	Net Name	U6 - 6C
	ID	16390565

Object	Property Name	Property Value
U6 - 8C (Wire ID = 16376266)	Net Name	U6 - 8C
	ID	16390469

Object	Property Name	Property Value
U5 - 6C (Wire ID = 16376268)	Net Name	U5 - 6C
	ID	16390402

Object	Property Name	Property Value
U5 - 8C (Wire ID = 16376270)	Net Name	U5 - 8C
	ID	16390421

Object	Property Name	Property Value
24V (Wire ID = 16376272)	Net Name	24V
	ID	16391291

Object	Property Name	Property Value
N16375650 (Wire ID = 16381523)	Net Name	N16375650
	ID	16390305

Object	Property Name	Property Value
N16375638 (Wire ID = 16381536)	Net Name	N16375638
	ID	16390280

Object	Property Name	Property Value
N16375630 (Wire ID = 16381556)	Net Name	N16375630
	ID	16390428

Object	Property Name	Property Value
N16375822 (Wire ID = 16381775)	Net Name	N16375822
	ID	16390368

Object	Property Name	Property Value
N16375898 (Wire ID = 16381788)	Net Name	N16375898
	ID	16390498

Object	Property Name	Property Value
N16375908 (Wire ID = 16381801)	Net Name	N16375908
	ID	16390292

Object	Property Name	Property Value
N16375920 (Wire ID = 16381814)	Net Name	N16375920
	ID	16390524

Object	Property Name	Property Value
350_I_IN_1 (Wire ID = 16382687)	Net Name	350_I_IN_1
	ID	16390289

Object	Property Name	Property Value
350_I_IN_1 (Wire ID = 16382693)	Net Name	350_I_IN_1
	ID	16390289

Object	Property Name	Property Value
N16382697 (Wire ID = 16382697)	Net Name	N16382697
	ID	16390290

Object	Property Name	Property Value
N16382697 (Wire ID = 16382701)	Net Name	N16382697
	ID	16390290

Object	Property Name	Property Value
N16382697 (Wire ID = 16382705)	Net Name	N16382697
	ID	16390290

Object	Property Name	Property Value
350_I_O_1 (Wire ID = 16382709)	Net Name	350_I_O_1
	ID	16390407

Object	Property Name	Property Value
350_I_O_1 (Wire ID = 16382713)	Net Name	350_I_O_1
	ID	16390407

Object	Property Name	Property Value
350_I_IN_3 (Wire ID = 16382717)	Net Name	350_I_IN_3
	ID	16390632

Object	Property Name	Property Value
350_I_IN_3 (Wire ID = 16382723)	Net Name	350_I_IN_3
	ID	16390632

Object	Property Name	Property Value
N16382727 (Wire ID = 16382727)	Net Name	N16382727
	ID	16390304

Object	Property Name	Property Value
N16382727 (Wire ID = 16382731)	Net Name	N16382727
	ID	16390304

Object	Property Name	Property Value
N16382727 (Wire ID = 16382735)	Net Name	N16382727
	ID	16390304

Object	Property Name	Property Value
350_I_O_3 (Wire ID = 16382739)	Net Name	350_I_O_3
	ID	16390341

Object	Property Name	Property Value
350_I_O_3 (Wire ID = 16382743)	Net Name	350_I_O_3
	ID	16390341

Object	Property Name	Property Value
5V (Wire ID = 16382763)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16382767)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
N16382697 (Wire ID = 16382835)	Net Name	N16382697
	ID	16390290

Object	Property Name	Property Value
N16382727 (Wire ID = 16382861)	Net Name	N16382727
	ID	16390304

Object	Property Name	Property Value
1.25V (Wire ID = 16382879)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
350_I_O_1 (Wire ID = 16382883)	Net Name	350_I_O_1
	ID	16390407

Object	Property Name	Property Value
350_I_O_1 (Wire ID = 16382887)	Net Name	350_I_O_1
	ID	16390407

Object	Property Name	Property Value
1.25V (Wire ID = 16382893)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
350_I_O_3 (Wire ID = 16382897)	Net Name	350_I_O_3
	ID	16390341

Object	Property Name	Property Value
350_I_O_3 (Wire ID = 16382901)	Net Name	350_I_O_3
	ID	16390341

Object	Property Name	Property Value
1.25V (Wire ID = 16382907)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
1.25V (Wire ID = 16382911)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
GND (Wire ID = 16382915)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16382919)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
350_I_IN_2 (Wire ID = 16383023)	Net Name	350_I_IN_2
	ID	16390405

Object	Property Name	Property Value
350_I_IN_2 (Wire ID = 16383029)	Net Name	350_I_IN_2
	ID	16390405

Object	Property Name	Property Value
N16383033 (Wire ID = 16383033)	Net Name	N16383033
	ID	16390321

Object	Property Name	Property Value
N16383033 (Wire ID = 16383037)	Net Name	N16383033
	ID	16390321

Object	Property Name	Property Value
N16383033 (Wire ID = 16383041)	Net Name	N16383033
	ID	16390321

Object	Property Name	Property Value
350_I_O_2 (Wire ID = 16383045)	Net Name	350_I_O_2
	ID	16390633

Object	Property Name	Property Value
350_I_O_2 (Wire ID = 16383049)	Net Name	350_I_O_2
	ID	16390633

Object	Property Name	Property Value
350_I_IN_4 (Wire ID = 16383053)	Net Name	350_I_IN_4
	ID	16390297

Object	Property Name	Property Value
350_I_IN_4 (Wire ID = 16383059)	Net Name	350_I_IN_4
	ID	16390297

Object	Property Name	Property Value
N16383063 (Wire ID = 16383063)	Net Name	N16383063
	ID	16390354

Object	Property Name	Property Value
N16383063 (Wire ID = 16383067)	Net Name	N16383063
	ID	16390354

Object	Property Name	Property Value
N16383063 (Wire ID = 16383071)	Net Name	N16383063
	ID	16390354

Object	Property Name	Property Value
350_I_O_4 (Wire ID = 16383075)	Net Name	350_I_O_4
	ID	16390288

Object	Property Name	Property Value
350_I_O_4 (Wire ID = 16383079)	Net Name	350_I_O_4
	ID	16390288

Object	Property Name	Property Value
5V (Wire ID = 16383099)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16383103)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
N16383033 (Wire ID = 16383171)	Net Name	N16383033
	ID	16390321

Object	Property Name	Property Value
N16383063 (Wire ID = 16383197)	Net Name	N16383063
	ID	16390354

Object	Property Name	Property Value
1.25V (Wire ID = 16383215)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
350_I_O_2 (Wire ID = 16383219)	Net Name	350_I_O_2
	ID	16390633

Object	Property Name	Property Value
350_I_O_2 (Wire ID = 16383223)	Net Name	350_I_O_2
	ID	16390633

Object	Property Name	Property Value
1.25V (Wire ID = 16383229)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
350_I_O_4 (Wire ID = 16383233)	Net Name	350_I_O_4
	ID	16390288

Object	Property Name	Property Value
350_I_O_4 (Wire ID = 16383237)	Net Name	350_I_O_4
	ID	16390288

Object	Property Name	Property Value
1.25V (Wire ID = 16383243)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
1.25V (Wire ID = 16383247)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
N16383251 (Wire ID = 16383251)	Net Name	N16383251
	ID	16390551

Object	Property Name	Property Value
N16383255 (Wire ID = 16383255)	Net Name	N16383255
	ID	16390314

Object	Property Name	Property Value
5V (Wire ID = 16386002)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
GND (Wire ID = 16386006)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
HUMID (Wire ID = 16386010)	Net Name	HUMID
	ID	16390282

Object	Property Name	Property Value
5V (Wire ID = 16386014)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16386018)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
TEMP (Wire ID = 16386022)	Net Name	TEMP
	ID	16390437

Object	Property Name	Property Value
GND (Wire ID = 16386026)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
5V (Wire ID = 16386030)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16386034)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16386038)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16386042)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16386046)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16386050)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
HUMID (Wire ID = 16386054)	Net Name	HUMID
	ID	16390282

Object	Property Name	Property Value
HUMID (Wire ID = 16386058)	Net Name	HUMID
	ID	16390282

Object	Property Name	Property Value
HUMID (Wire ID = 16386062)	Net Name	HUMID
	ID	16390282

Object	Property Name	Property Value
TEMP (Wire ID = 16386132)	Net Name	TEMP
	ID	16390437

Object	Property Name	Property Value
GND (Wire ID = 16386152)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16386156)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
HUMID (Wire ID = 16386160)	Net Name	HUMID
	ID	16390282

Object	Property Name	Property Value
5V (Wire ID = 16386409)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
1.25V (Wire ID = 16386431)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
5V (Wire ID = 16386435)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
5V (Wire ID = 16386439)	Net Name	5V
	ID	16391270

Object	Property Name	Property Value
1.25V (Wire ID = 16386443)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
1.25V (Wire ID = 16386447)	Net Name	1.25V
	ID	16390361

Object	Property Name	Property Value
GND (Wire ID = 16386483)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16386487)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16386491)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16386495)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16386499)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16386503)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
350_I_O_3 (Wire ID = 16386816)	Net Name	350_I_O_3
	ID	16390341

Object	Property Name	Property Value
350_I_O_4 (Wire ID = 16386822)	Net Name	350_I_O_4
	ID	16390288

Object	Property Name	Property Value
350_I_O_1 (Wire ID = 16386828)	Net Name	350_I_O_1
	ID	16390407

Object	Property Name	Property Value
350_I_O_2 (Wire ID = 16386834)	Net Name	350_I_O_2
	ID	16390633

Object	Property Name	Property Value
TEMP (Wire ID = 16386840)	Net Name	TEMP
	ID	16390437

Object	Property Name	Property Value
HUMID (Wire ID = 16386854)	Net Name	HUMID
	ID	16390282

Object	Property Name	Property Value
GND (Wire ID = 16386876)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16386880)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
350_I_IN_4 (Wire ID = 16387200)	Net Name	350_I_IN_4
	ID	16390297

Object	Property Name	Property Value
350_I_IN_3 (Wire ID = 16387206)	Net Name	350_I_IN_3
	ID	16390632

Object	Property Name	Property Value
350_I_IN_2 (Wire ID = 16387212)	Net Name	350_I_IN_2
	ID	16390405

Object	Property Name	Property Value
350_I_IN_1 (Wire ID = 16387218)	Net Name	350_I_IN_1
	ID	16390289

Object	Property Name	Property Value
GND (Wire ID = 16387224)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
GND (Wire ID = 16387228)	Net Name	GND
	ID	16391196

Object	Property Name	Property Value
24V	Name	24V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
24V	Name	24V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
24V	Name	24V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
24V	Name	24V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
24V	Name	24V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
24V	Name	24V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
24V	Name	24V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
1.25V	Name	1.25V
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
1.25V	Name	1.25V
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
1.25V	Name	1.25V
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
1.25V	Name	1.25V
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
1.25V	Name	1.25V
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
5V	Name	5V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
24V	Name	24V
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND

Object	Property Name	Property Value
U5 - 1C	Name	U5 - 1C
	Connected Net name	U5 - 1C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U5 - 2C	Name	U5 - 2C
	Connected Net name	U5 - 2C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U5 - 3C	Name	U5 - 3C
	Connected Net name	U5 - 3C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U5 - 4C	Name	U5 - 4C
	Connected Net name	U5 - 4C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U5 - 5C	Name	U5 - 5C
	Connected Net name	U5 - 5C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U5 - 6C	Name	U5 - 6C
	Connected Net name	U5 - 6C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U5 - 7C	Name	U5 - 7C
	Connected Net name	U5 - 7C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U5 - 8C	Name	U5 - 8C
	Connected Net name	U5 - 8C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U6 - 1C	Name	U6 - 1C
	Connected Net name	U6 - 1C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U6 - 2C	Name	U6 - 2C
	Connected Net name	U6 - 2C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U6 - 3C	Name	U6 - 3C
	Connected Net name	U6 - 3C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U6 - 4C	Name	U6 - 4C
	Connected Net name	U6 - 4C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U6 - 5C	Name	U6 - 5C
	Connected Net name	U6 - 5C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U6 - 6C	Name	U6 - 6C
	Connected Net name	U6 - 6C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U6 - 7C	Name	U6 - 7C
	Connected Net name	U6 - 7C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
U6 - 8C	Name	U6 - 8C
	Connected Net name	U6 - 8C
	Type	Input
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	PORTRIGHT-R

Object	Property Name	Property Value
TitleBlock0	Doc	100221371
	RevCode	J
	Cage Code	
	OrgName	
	OrgAddr1	
	OrgAddr2	
	OrgAddr3	
	OrgAddr4	
	Title	TTL-24Vdc Level Shift LCB
	Page Number	1
	Page Count	7
	Name	TitleBlock0
	Design Name	MARS UPDATE MINI NODE_1-26-2020
	Design File Name	W:\EE DWGS\MARS UPDATE MINI NODE_1-26-2020.DSN
	Design Create Date	Tuesday, October 18, 2016
	Design Modify Date	Thursday, March 17, 2022
	Design Create Time	10:25:55
	Design Modify Time	13:51:25
	Schematic Name	TTL-24VDC Level Shift PCB Rev F
	Schematic Create Date	Wednesday, May 30, 2018
	Schematic Modify Date	Tuesday, March 01, 2022
	Schematic Create Time	12:03:56
	Schematic Modify Time	13:33:24
	Schematic Page Count	1
	Schematic Page Number	1
	Page Size	D
	Page Create Date	Friday, February 25, 2022
	Page Modify Date	Tuesday, March 01, 2022
	Page Create Time	10:18:47
	Page Modify Time	13:33:23
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	TitleBlock0
	Page Name	Level_Shift _REV_J

Object	Property Name	Property Value
INS16377648	PCB Footprint	tp_040
	Vendor	Digikey
	VENDOR_PT_NO	36-5002-ND
	Name	INS16377648
	Part Reference	TP6
	Reference	TP6
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	24V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16378456	PCB Footprint	tp_040
	Vendor	Digikey
	VENDOR_PT_NO	36-5002-ND
	Name	INS16378456
	Part Reference	TP2
	Reference	TP2
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16386136	PCB Footprint	tp_040
	Vendor	Digikey
	VENDOR_PT_NO	36-5002-ND
	Name	INS16386136
	Part Reference	TP13
	Reference	TP13
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	HUMID
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16383005	PCB Footprint	th_r_p125w
	VendorPtNo	541-RN55D1002FR36CT-ND
	VENDOR_PT_NO	541-RN55D1002FR36CT-ND
	Package Size	
	Manufacturer	Vishay Dale
	Manufacturer PN	RN55D1002FR36
	PART_NUMBER	RN55D1002FR36
	VENDOR	Digikey
	ManufacturerPartNumber	RN55D1002FR36
	Name	INS16383005
	Part Reference	R17
	Reference	R17
	Designator	
	Value	10k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16383063
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_4
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16376338	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR	Arrow
	GROUP	1
	PART_NUMBER	SN74HC02NSR
	Description	IC GATE NOR 4CH 2-INP 14-SO
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Supply Voltage	2 V - 6 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	Texas Instruments
	Manufacturer PN	SN74HC02NSR
	VENDOR_PT_NO	SN74HC02NSR
	Name	INS16376338
	Part Reference	U1B
	Reference	U1
	Designator	B
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02B.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02B.Normal

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16375480
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	N16375470
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N16375470
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16382607	PCB Footprint	tp_040
	VENDOR_PT_NO	36-5002-ND
	Vendor	Digikey
	Name	INS16382607
	Part Reference	TP10
	Reference	TP10
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16382797	PCB Footprint	8_SOIC
	Manufacturer	Analog Devices Inc.
	VENDOR_PT_NO	505-AD8628ARZ-REEL7CT-ND
	Supply Voltage	5V
	VENDOR	Digikey
	Manufacturer PN	AD8628ARZ-REEL7
	PART_NUMBER	AD8628ARZ-REEL7
	Name	INS16382797
	Part Reference	U25
	Reference	U25
	Designator	
	Value	AD8628ARZ-REEL7
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT4.OLB
	Source Part	AD8628ARZ-REEL7.Normal
	Source Package	AD8628ARZ-REEL7
	Power Pins Visible	False
	Graphic	AD8628ARZ-REEL7.Normal

Object	Property Name	Property Value
+IN	Name	+IN
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N16382727
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
-IN	Name	-IN
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	1.25V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT	Name	OUT
	Number	6
	Swap Id	-1
	Type	Output
	Net Name	350_I_O_3
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+	Name	V+
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
NC5	Name	NC5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
V-	Name	V-
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
NC1	Name	NC1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
NC8	Name	NC8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS16377154	PCB Footprint	c_0805
	VENDOR_PT_NO	1276-6840-1-ND
	VENDOR	Digikey
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[2695.000,2155.000]
	COMPROT	0
	COMPGROUP	0
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	Name	INS16377154
	Part Reference	C3
	Reference	C3
	Designator	
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_10.0\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	CAP NP.Normal
	Source Package	CAP NP
	Power Pins Visible	False
	Graphic	CAP NP.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16386449	PCB Footprint	sm_0603
	Supply Voltage	5V
	PART_NUMBER	06031C103K4T2A
	Manufacturer	KYOCERA AVX
	VENDOR	Digikey
	Manufacturer PN	06031C103K4T2A
	VENDOR_PT_NO	478-9371-1-ND
	Name	INS16386449
	Part Reference	C21
	Reference	C21
	Designator	
	Value	0.01uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	CAP NP.Normal
	Source Package	CAP NP
	Power Pins Visible	False
	Graphic	CAP NP.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16383105	PCB Footprint	8_SOIC
	Manufacturer	Analog Devices Inc.
	VENDOR_PT_NO	505-AD8628ARZ-REEL7CT-ND
	Supply Voltage	5V
	VENDOR	Digikey
	Manufacturer PN	AD8628ARZ-REEL7
	PART_NUMBER	AD8628ARZ-REEL7
	Name	INS16383105
	Part Reference	U26
	Reference	U26
	Designator	
	Value	AD8628ARZ-REEL7
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT4.OLB
	Source Part	AD8628ARZ-REEL7.Normal
	Source Package	AD8628ARZ-REEL7
	Power Pins Visible	False
	Graphic	AD8628ARZ-REEL7.Normal

Object	Property Name	Property Value
+IN	Name	+IN
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N16383033
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
-IN	Name	-IN
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	1.25V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT	Name	OUT
	Number	6
	Swap Id	-1
	Type	Output
	Net Name	350_I_O_2
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+	Name	V+
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
NC5	Name	NC5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
V-	Name	V-
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16383251
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
NC1	Name	NC1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
NC8	Name	NC8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS16377666	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR	Arrow
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	GROUP	1
	VENDOR_PT_NO	SN74HC02NSR
	Name	INS16377666
	Part Reference	U1D
	Reference	U1
	Designator	D
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02D.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02D.Normal

Object	Property Name	Property Value
11	Name	11
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	N16375530
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
12	Name	12
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	N16375530
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
13	Name	13
	Number	13
	Swap Id	-1
	Type	Passive
	Net Name	N16375540
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16377762	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	GROUP	2
	VENDOR	Arrow
	Name	INS16377762
	Part Reference	U2E
	Reference	U2
	Designator	E
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02E.Normal
	Source Package	74HC02
	Power Pins Visible	True
	Graphic	74HC02E.Normal

Object	Property Name	Property Value
GND	Name	GND
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
VCC	Name	VCC
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16377874	PCB Footprint	tp_040
	Vendor	Digikey
	VENDOR_PT_NO	36-5002-ND
	Name	INS16377874
	Part Reference	TP5
	Reference	TP5
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16376860	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	GROUP	2
	PART_NUMBER	SN74HC02NSR
	Description	IC GATE NOR 4CH 2-INP 14-SO
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Supply Voltage	2 V - 6 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	Texas Instruments
	Manufacturer PN	SN74HC02NSR
	VENDOR	Arrow
	Name	INS16376860
	Part Reference	U2D
	Reference	U2
	Designator	D
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02D.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02D.Normal

Object	Property Name	Property Value
11	Name	11
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	N16375650
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
12	Name	12
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	N16375650
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
13	Name	13
	Number	13
	Swap Id	-1
	Type	Passive
	Net Name	N16375622
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16382621	PCB Footprint	th_r_p125w
	VendorPtNo	541-RN55D1002FR36CT-ND
	ManufacturerPartNumber	RN55D1002FR36
	VENDOR_PT_NO	541-RN55D1002FR36CT-ND
	Package Size	
	Manufacturer	Vishay Dale
	Manufacturer PN	RN55D1002FR36
	PART_NUMBER	RN55D1002FR36
	VENDOR	Digikey
	Name	INS16382621
	Part Reference	R10
	Reference	R10
	Designator	
	Value	10k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16382697
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16376970	PCB Footprint	mt_6_washer
	VENDOR_PT_NO	n/a
	Vendor	n/a
	Name	INS16376970
	Part Reference	MT2
	Reference	MT2
	Designator	
	Value	E
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	E.Normal
	Source Package	E
	Power Pins Visible	False
	Graphic	E.Normal

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

Object	Property Name	Property Value
INS16382929	PCB Footprint	tp_040
	VENDOR_PT_NO	36-5002-ND
	Vendor	Digikey
	Name	INS16382929
	Part Reference	TP14
	Reference	TP14
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16385956	PCB Footprint	HIH-4000-002
	Name	INS16385956
	Part Reference	U28
	Reference	U28
	Designator	
	Value	HIH-4000
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT3.OLB
	Source Part	HIH-4000.Normal
	Source Package	HIH-4000
	Power Pins Visible	False
	Graphic	HIH-4000.Normal

Object	Property Name	Property Value
-ve	Name	-ve
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
OUT	Name	OUT
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	HUMID
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
+ve	Name	+ve
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16377438	PCB Footprint	TE_5102322-4_drt
	VENDOR	Arrow
	Manufacturer PN	5102322-4
	Manufacturer	TE Connectivity AMP Connectors
	CLASS	IO
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Package Size	0.240 (6.10mm)
	Description	CONN HEADER RT/A 20POS .100 GOLD
	PART_NUMBER	5102322-4
	VENDOR_PT_NO	5102322-4
	Name	INS16377438
	Part Reference	J6
	Reference	J6
	Designator	
	Value	5102322-4
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	CON10X2.Normal
	Source Package	CON10X2
	Power Pins Visible	False
	Graphic	CON10X2.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	U6 - 1C
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	U6 - 3C
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	U5 - 3C
	Order	2
	Is No Connect	True

Object	Property Name	Property Value
7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	U5 - 5C
	Order	3
	Is No Connect	True

Object	Property Name	Property Value
9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	U5 - 1C
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
11	Name	11
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	U6 - 5C
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	U6 - 2C
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	U6 - 4C
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	U5 - 4C
	Order	8
	Is No Connect	True

Object	Property Name	Property Value
8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	U5 - 2C
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	U6 - 6C
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
12	Name	12
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	U6 - 8C
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
13	Name	13
	Number	13
	Swap Id	-1
	Type	Passive
	Net Name	U6 - 7C
	Order	12
	Is No Connect	True

Object	Property Name	Property Value
14	Name	14
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	U5 - 6C
	Order	13
	Is No Connect	True

Object	Property Name	Property Value
15	Name	15
	Number	15
	Swap Id	-1
	Type	Passive
	Net Name	U5 - 7C
	Order	14
	Is No Connect	True

Object	Property Name	Property Value
16	Name	16
	Number	16
	Swap Id	-1
	Type	Passive
	Net Name	U5 - 8C
	Order	15
	Is No Connect	True

Object	Property Name	Property Value
17	Name	17
	Number	17
	Swap Id	-1
	Type	Passive
	Net Name	24V
	Order	16
	Is No Connect	False

Object	Property Name	Property Value
18	Name	18
	Number	18
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	17
	Is No Connect	True

Object	Property Name	Property Value
19	Name	19
	Number	19
	Swap Id	-1
	Type	Passive
	Net Name	24V
	Order	18
	Is No Connect	False

Object	Property Name	Property Value
20	Name	20
	Number	20
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	19
	Is No Connect	True

Object	Property Name	Property Value
INS16386465	PCB Footprint	sm_0603
	VENDOR_PT_NO	478-9371-1-ND
	Manufacturer PN	06031C103K4T2A
	VENDOR	Digikey
	Manufacturer	KYOCERA AVX
	PART_NUMBER	06031C103K4T2A
	Supply Voltage	5V
	Name	INS16386465
	Part Reference	C22
	Reference	C22
	Designator	
	Value	0.01uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	CAP NP.Normal
	Source Package	CAP NP
	Power Pins Visible	False
	Graphic	CAP NP.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	1.25V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16377072	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	GROUP	3
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	VENDOR	Arrow
	Name	INS16377072
	Part Reference	U3C
	Reference	U3
	Designator	C
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02C.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02C.Normal

Object	Property Name	Property Value
8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	N16375738
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	N16375738
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	N16375750
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16386064	PCB Footprint	sm_0805
	VENDOR_PT_NO	445-5827-1-ND
	Vendor	Digikey
	VendorPtNo	445-5827-1-ND
	Manufacturer	TDK
	ManufacturerPartNumber	CGA4J2X7R2A104K125AA
	Name	INS16386064
	Part Reference	C19
	Reference	C19
	Designator	
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	CAP NP.Normal
	Source Package	CAP NP
	Power Pins Visible	False
	Graphic	CAP NP.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

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

Object	Property Name	Property Value
INS16377578	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	GROUP	4
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	VENDOR	Arrow
	Name	INS16377578
	Part Reference	U4C
	Reference	U4
	Designator	C
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02C.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02C.Normal

Object	Property Name	Property Value
8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	N16375908
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	N16375908
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	N16375870
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16378280	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	GROUP	1
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	VENDOR	Arrow
	Name	INS16378280
	Part Reference	U1E
	Reference	U1
	Designator	E
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02E.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02E.Normal

Object	Property Name	Property Value
GND	Name	GND
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
VCC	Name	VCC
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16382837	PCB Footprint	tp_040
	VENDOR_PT_NO	36-5002-ND
	Vendor	Digikey
	Name	INS16382837
	Part Reference	TP9
	Reference	TP9
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16376472	PCB Footprint	SOIC127P607X173-8L4N
	VENDOR	Digikey
	Manufacturer PN	ORNTA5001AT1
	Manufacturer	Vishay Thin Film
	CLASS	DISCRETE
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Tolerance	0.1%
	Temperature Coefficient	25ppm/C
	Package Size	8-SOIC (0.154, 3.90mm Width)
	Description	RES ARRAY 5K OHM 4 RES 8SOIC
	PART_NUMBER	ORNTA5001AT1
	VENDOR_PT_NO	ORNT-5KACT-ND
	Name	INS16376472
	Part Reference	RN2D
	Reference	RN2
	Designator	D
	Value	5k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\RESISTORS.OLB
	Source Part	RES_ARRAY_4_SEP.Normal
	Source Package	RES_ARRAY_4_SEP
	Power Pins Visible	False
	Graphic	RES_ARRAY_4_SEP.Normal

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16387174	PCB Footprint	c_grid_rtangl_6
	PART_NUMBER	0705530005
	Manufacturer	Molex
	VENDOR	Digikey
	VENDOR_PT_NO	WM4904-ND
	Manufacturer PN	0705530005
	Name	INS16387174
	Part Reference	J11
	Reference	J11
	Designator	
	Value	MOLEX_0705530005
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\CONNECTOR.OLB
	Source Part	CON6.Normal
	Source Package	CON6
	Power Pins Visible	False
	Graphic	CON6.Normal

Object	Property Name	Property Value
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	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_1
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_2
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_3
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_4
	Order	4
	Is No Connect	False

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

Object	Property Name	Property Value
INS16382637	PCB Footprint	th_r_p125w
	VendorPtNo	541-RN55D1002FR36CT-ND
	VENDOR_PT_NO	541-RN55D1002FR36CT-ND
	Package Size	
	Manufacturer	Vishay Dale
	Manufacturer PN	RN55D1002FR36
	PART_NUMBER	RN55D1002FR36
	VENDOR	Digikey
	ManufacturerPartNumber	RN55D1002FR36
	Name	INS16382637
	Part Reference	R11
	Reference	R11
	Designator	
	Value	10k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16382697
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_1
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16377690	PCB Footprint	mt_6_washer
	VENDOR_PT_NO	n/a
	Vendor	n/a
	Name	INS16377690
	Part Reference	MT3
	Reference	MT3
	Designator	
	Value	E
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	E.Normal
	Source Package	E
	Power Pins Visible	False
	Graphic	E.Normal

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

Object	Property Name	Property Value
INS16376778	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	GROUP	3
	PART_NUMBER	SN74HC02NSR
	Description	IC GATE NOR 4CH 2-INP 14-SO
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Supply Voltage	2 V - 6 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	Texas Instruments
	Manufacturer PN	SN74HC02NSR
	VENDOR	Arrow
	Name	INS16376778
	Part Reference	U3D
	Reference	U3
	Designator	D
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02D.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02D.Normal

Object	Property Name	Property Value
11	Name	11
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	N16375782
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
12	Name	12
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	N16375782
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
13	Name	13
	Number	13
	Swap Id	-1
	Type	Passive
	Net Name	N16375788
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16377176	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	GROUP	3
	VENDOR	Arrow
	Name	INS16377176
	Part Reference	U3E
	Reference	U3
	Designator	E
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02E.Normal
	Source Package	74HC02
	Power Pins Visible	True
	Graphic	74HC02E.Normal

Object	Property Name	Property Value
GND	Name	GND
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
VCC	Name	VCC
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16382943	PCB Footprint	tp_040
	VENDOR_PT_NO	36-5002-ND
	Vendor	Digikey
	Name	INS16382943
	Part Reference	TP15
	Reference	TP15
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_4
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16378098	PCB Footprint	UNASSIGNED
	VENDOR_PT_NO	277-1438-ND
	Manufacturer PN	1881406
	Manufacturer	Phoenix Contact
	CLASS	IO
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Description	TERM BLOCK PLUG 10POS STR 2.5MM
	PART_NUMBER	1881406
	VENDOR	Digikey
	Name	INS16378098
	Part Reference	P7
	Reference	P7
	Designator	
	Value	1881406
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	PLUG2.Normal
	Source Package	PLUG2
	Power Pins Visible	False
	Graphic	PLUG2.Normal

Object	Property Name	Property Value
INS16378362	PCB Footprint	TE_5102322-4_drt
	VENDOR	Arrow
	Manufacturer PN	5102322-4
	Manufacturer	TE Connectivity AMP Connectors
	CLASS	IO
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Package Size	0.240 (6.10mm)
	Description	CONN HEADER RT/A 20POS .100 GOLD
	PART_NUMBER	5102322-4
	VENDOR_PT_NO	5102322-4
	Name	INS16378362
	Part Reference	J6
	Reference	J6
	Designator	
	Value	5102322-4
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	CON10X2.Normal
	Source Package	CON10X2
	Power Pins Visible	False
	Graphic	CON10X2.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350v SSR#1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	350v SSR#3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	GFD 350COM (1-N)
	Order	2
	Is No Connect	True

Object	Property Name	Property Value
7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	350v DF#4
	Order	3
	Is No Connect	True

Object	Property Name	Property Value
9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	350v DF#1
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
11	Name	11
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	N/C
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	350v SSR#2
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	350v SSR#4
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	350v DF#3
	Order	8
	Is No Connect	True

Object	Property Name	Property Value
8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	GFD 350v (1-N)
	Order	9
	Is No Connect	True

Object	Property Name	Property Value
10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	350v DF#2
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
12	Name	12
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	N/C
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
13	Name	13
	Number	13
	Swap Id	-1
	Type	Passive
	Net Name	N/C
	Order	12
	Is No Connect	True

Object	Property Name	Property Value
14	Name	14
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	GFD 350v (2-N)
	Order	13
	Is No Connect	True

Object	Property Name	Property Value
15	Name	15
	Number	15
	Swap Id	-1
	Type	Passive
	Net Name	GFD 350COM (2-N)
	Order	14
	Is No Connect	True

Object	Property Name	Property Value
16	Name	16
	Number	16
	Swap Id	-1
	Type	Passive
	Net Name	GFD TEST (N)
	Order	15
	Is No Connect	True

Object	Property Name	Property Value
17	Name	17
	Number	17
	Swap Id	-1
	Type	Passive
	Net Name	24V
	Order	16
	Is No Connect	False

Object	Property Name	Property Value
18	Name	18
	Number	18
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	17
	Is No Connect	True

Object	Property Name	Property Value
19	Name	19
	Number	19
	Swap Id	-1
	Type	Passive
	Net Name	24V
	Order	18
	Is No Connect	False

Object	Property Name	Property Value
20	Name	20
	Number	20
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	19
	Is No Connect	True

Object	Property Name	Property Value
INS16383133	PCB Footprint	8_SOIC
	Manufacturer	Analog Devices Inc.
	VENDOR_PT_NO	505-AD8628ARZ-REEL7CT-ND
	Supply Voltage	5V
	VENDOR	Digikey
	Manufacturer PN	AD8628ARZ-REEL7
	PART_NUMBER	AD8628ARZ-REEL7
	Name	INS16383133
	Part Reference	U27
	Reference	U27
	Designator	
	Value	AD8628ARZ-REEL7
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT4.OLB
	Source Part	AD8628ARZ-REEL7.Normal
	Source Package	AD8628ARZ-REEL7
	Power Pins Visible	False
	Graphic	AD8628ARZ-REEL7.Normal

Object	Property Name	Property Value
+IN	Name	+IN
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N16383063
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
-IN	Name	-IN
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	1.25V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT	Name	OUT
	Number	6
	Swap Id	-1
	Type	Output
	Net Name	350_I_O_4
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+	Name	V+
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
NC5	Name	NC5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
V-	Name	V-
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16383255
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
NC1	Name	NC1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
NC8	Name	NC8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS16385974	PCB Footprint	LM35_TO-92
	Name	INS16385974
	Part Reference	U29
	Reference	U29
	Designator	
	Value	LM35_TO-92
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT3.OLB
	Source Part	LM35_TO-92.Normal
	Source Package	LM35_TO-92
	Power Pins Visible	False
	Graphic	LM35_TO-92.Normal

Object	Property Name	Property Value
+VS	Name	+VS
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
Vout	Name	Vout
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	TEMP
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
GND	Name	GND
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16378604	PCB Footprint	diode_sma_bidir
	VENDOR_PT_NO	SMAJ5.0CALFCT-ND
	VENDOR	Digikey
	Name	INS16378604
	Part Reference	D2
	Reference	D2
	Designator	
	Value	TVS_5V_Standoff
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TRANSORB.Normal
	Source Package	TRANSORB
	Power Pins Visible	False
	Graphic	TRANSORB.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16376886	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	GROUP	4
	VENDOR	Arrow
	Name	INS16376886
	Part Reference	U4D
	Reference	U4
	Designator	D
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02D.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02D.Normal

Object	Property Name	Property Value
11	Name	11
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	N16375920
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
12	Name	12
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	N16375920
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
13	Name	13
	Number	13
	Swap Id	-1
	Type	Passive
	Net Name	N16375890
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16377396	PCB Footprint	tp_040
	Vendor	Digikey
	VENDOR_PT_NO	36-5002-ND
	Name	INS16377396
	Part Reference	TP3
	Reference	TP3
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16386080	PCB Footprint	sm_0805
	ManufacturerPartNumber	CGA4J2X7R2A104K125AA
	Manufacturer	TDK
	VendorPtNo	445-5827-1-ND
	Vendor	Digikey
	VENDOR_PT_NO	445-5827-1-ND
	Name	INS16386080
	Part Reference	C20
	Reference	C20
	Designator	
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	CAP NP.Normal
	Source Package	CAP NP
	Power Pins Visible	False
	Graphic	CAP NP.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

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

Object	Property Name	Property Value
INS16376688	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR	Arrow
	PART_NUMBER	SN74HC02NSR
	Description	IC GATE NOR 4CH 2-INP 14-SO
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Supply Voltage	2 V - 6 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	Texas Instruments
	Manufacturer PN	SN74HC02NSR
	GROUP	2
	VENDOR_PT_NO	SN74HC02NSR
	Name	INS16376688
	Part Reference	U2C
	Reference	U2
	Designator	C
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02C.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02C.Normal

Object	Property Name	Property Value
8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	N16375638
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	N16375638
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	N16375604
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16377096	PCB Footprint	c_0805
	VENDOR_PT_NO	1276-6470-1-ND
	VENDOR	Digikey
	Name	INS16377096
	Part Reference	C5
	Reference	C5
	Designator	
	Value	1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	CAP NP.Normal
	Source Package	CAP NP
	Power Pins Visible	False
	Graphic	CAP NP.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16377800	PCB Footprint	PHOENIX_1881464
	VENDOR_PT_NO	277-1443-ND
	Manufacturer PN	1881464
	Manufacturer	Phoenix Contact
	CLASS	IO
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Description	CONN TERM BLK 4POS 3.5MM GRN
	PART_NUMBER	1881464
	VENDOR	Digikey
	Name	INS16377800
	Part Reference	J8
	Reference	J8
	Designator	
	Value	1881464
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_16.6\TOOLS\CAPTURE\LIBRARY\CONNECTOR.OLB
	Source Part	CON4.Normal
	Source Package	CON4
	Power Pins Visible	False
	Graphic	CON4.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16376186
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	1
	Is No Connect	True

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

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
INS16376988	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	GROUP	4
	VENDOR	Arrow
	Name	INS16376988
	Part Reference	U4E
	Reference	U4
	Designator	E
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02E.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02E.Normal

Object	Property Name	Property Value
GND	Name	GND
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
VCC	Name	VCC
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16377708	PCB Footprint	UNASSIGNED
	VENDOR	Arrow
	PART_NUMBER	1658621-4
	Description	CONN IDC SKT 20POS W/POL 15 GOLD
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IO
	Manufacturer	TE Connectivity AMP Connectors
	Manufacturer PN	1658621-4
	VENDOR_PT_NO	1658621-4
	Name	INS16377708
	Part Reference	P6
	Reference	P6
	Designator	
	Value	1658621-4
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	PLUG2.Normal
	Source Package	PLUG2
	Power Pins Visible	False
	Graphic	PLUG2.Normal

Object	Property Name	Property Value
INS16382653	PCB Footprint	th_r_p125w
	VendorPtNo	541-RN55D1002FR36CT-ND
	VENDOR_PT_NO	541-RN55D1002FR36CT-ND
	Package Size	
	Manufacturer	Vishay Dale
	Manufacturer PN	RN55D1002FR36
	PART_NUMBER	RN55D1002FR36
	VENDOR	Digikey
	ManufacturerPartNumber	RN55D1002FR36
	Name	INS16382653
	Part Reference	R12
	Reference	R12
	Designator	
	Value	10k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16382727
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16382957	PCB Footprint	th_r_p125w
	VendorPtNo	541-RN55D1002FR36CT-ND
	VENDOR_PT_NO	541-RN55D1002FR36CT-ND
	Package Size	
	Manufacturer	Vishay Dale
	Manufacturer PN	RN55D1002FR36
	PART_NUMBER	RN55D1002FR36
	VENDOR	Digikey
	ManufacturerPartNumber	RN55D1002FR36
	Name	INS16382957
	Part Reference	R14
	Reference	R14
	Designator	
	Value	10k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16383033
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16377304	PCB Footprint	mt_6_washer
	VENDOR_PT_NO	n/a
	Vendor	n/a
	Name	INS16377304
	Part Reference	MT1
	Reference	MT1
	Designator	
	Value	E
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	E.Normal
	Source Package	E
	Power Pins Visible	False
	Graphic	E.Normal

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

Object	Property Name	Property Value
INS16386778	PCB Footprint	MOLEX_0015800123
	Manufacturer PN	0015800123
	VENDOR	Digikey
	Manufacturer	Molex
	PART_NUMBER	0015800123
	VENDOR_PT_NO	WM24830-ND
	Name	INS16386778
	Part Reference	J10
	Reference	J10
	Designator	
	Value	MOLEX_571-826632-5
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	W:\EE DWGS\MARS UPDATE MINI NODE_1-26-2020.DSN
	Source Part	CON12A_0.Normal
	Source Package	CON12A_0
	Power Pins Visible	False
	Graphic	CON12A_0.Normal

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

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

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	TEMP
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	HUMID
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_1
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_2
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_3
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_4
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	8
	Is No Connect	False

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

Object	Property Name	Property Value
INS16382863	PCB Footprint	tp_040
	VENDOR_PT_NO	36-5002-ND
	Vendor	Digikey
	Name	INS16382863
	Part Reference	TP11
	Reference	TP11
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16376604	PCB Footprint	mt_6_washer
	VENDOR_PT_NO	n/a
	Vendor	n/a
	Name	INS16376604
	Part Reference	MT4
	Reference	MT4
	Designator	
	Value	E
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	E.Normal
	Source Package	E
	Power Pins Visible	False
	Graphic	E.Normal

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

Object	Property Name	Property Value
INS16376910	PCB Footprint	UNASSIGNED
	VENDOR_PT_NO	277-1438-ND
	Manufacturer PN	1881406
	Manufacturer	Phoenix Contact
	CLASS	IO
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Description	TERM BLOCK PLUG 10POS STR 2.5MM
	PART_NUMBER	1881406
	VENDOR	Digikey
	Name	INS16376910
	Part Reference	P5
	Reference	P5
	Designator	
	Value	1881406
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	PLUG2.Normal
	Source Package	PLUG2
	Power Pins Visible	False
	Graphic	PLUG2.Normal

Object	Property Name	Property Value
INS16386100	PCB Footprint	th_r_p125w
	PART_NUMBER	RN55D7502FRE6
	VENDOR_PT_NO	541-RN55D7502FRE6CT-ND
	ManufacturerPartNumber	RN55D7502FRE6
	Vendor	Digikey
	Manufacturer	Vishay Dale
	VendorPtNo	541-RN55D7502FRE6CT-ND
	Manufacturer PN	RN55D7502FRE6
	Name	INS16386100
	Part Reference	R18
	Reference	R18
	Designator	
	Value	75k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	HUMID
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16383173	PCB Footprint	tp_040
	VENDOR_PT_NO	36-5002-ND
	Vendor	Digikey
	Name	INS16383173
	Part Reference	TP16
	Reference	TP16
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16378626	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	GROUP	3
	PART_NUMBER	SN74HC02NSR
	Description	IC GATE NOR 4CH 2-INP 14-SO
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Supply Voltage	2 V - 6 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	Texas Instruments
	Manufacturer PN	SN74HC02NSR
	VENDOR	Arrow
	Name	INS16378626
	Part Reference	U3B
	Reference	U3
	Designator	B
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02B.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02B.Normal

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16375720
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	N16375714
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N16375714
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16377214	PCB Footprint	r_1210
	VENDOR_PT_NO	541-0.0NCT-ND
	VENDOR	Digikey
	Name	INS16377214
	Part Reference	R1
	Reference	R1
	Designator	
	Value	0 Ohms
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16376186
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16377414	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR	Arrow
	PART_NUMBER	SN74HC02NSR
	Description	IC GATE NOR 4CH 2-INP 14-SO
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Supply Voltage	2 V - 6 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	Texas Instruments
	Manufacturer PN	SN74HC02NSR
	GROUP	2
	VENDOR_PT_NO	SN74HC02NSR
	Name	INS16377414
	Part Reference	U2B
	Reference	U2
	Designator	B
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02B.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02B.Normal

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16375590
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	N16375630
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N16375630
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16377722	PCB Footprint	tp_040
	Vendor	Digikey
	VENDOR_PT_NO	36-5002-ND
	Name	INS16377722
	Part Reference	TP4
	Reference	TP4
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16377118	PCB Footprint	UNASSIGNED
	VENDOR_PT_NO	277-1432-ND
	Manufacturer PN	1881341
	Manufacturer	Phoenix Contact
	CLASS	IO
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Description	TERM BLOCK PLUG 4POS STR 2.5MM
	PART_NUMBER	188341
	VENDOR	Digikey
	Name	INS16377118
	Part Reference	P8
	Reference	P8
	Designator	
	Value	1881341
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	PLUG2.Normal
	Source Package	PLUG2
	Power Pins Visible	False
	Graphic	PLUG2.Normal

Object	Property Name	Property Value
INS16382669	PCB Footprint	th_r_p125w
	VendorPtNo	541-RN55D1002FR36CT-ND
	VENDOR_PT_NO	541-RN55D1002FR36CT-ND
	Package Size	
	Manufacturer	Vishay Dale
	Manufacturer PN	RN55D1002FR36
	PART_NUMBER	RN55D1002FR36
	VENDOR	Digikey
	ManufacturerPartNumber	RN55D1002FR36
	Name	INS16382669
	Part Reference	R13
	Reference	R13
	Designator	
	Value	10k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16382727
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16382973	PCB Footprint	th_r_p125w
	VendorPtNo	541-RN55D1002FR36CT-ND
	VENDOR_PT_NO	541-RN55D1002FR36CT-ND
	Package Size	
	Manufacturer	Vishay Dale
	Manufacturer PN	RN55D1002FR36
	PART_NUMBER	RN55D1002FR36
	VENDOR	Digikey
	ManufacturerPartNumber	RN55D1002FR36
	Name	INS16382973
	Part Reference	R15
	Reference	R15
	Designator	
	Value	10k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16383033
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_2
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16377322	PCB Footprint	c_0805
	VENDOR_PT_NO	1276-6840-1-ND
	VENDOR	Digikey
	FPLIST	
	COMPSIDE	TOP
	COMPLOC	[2695.000,2155.000]
	COMPROT	0
	COMPGROUP	0
	COMPFIXED	NO
	COMPLOCKED	NO
	COMPKEY	NO
	DECOUPLER	NO
	MEMORY	NO
	COMPHEIGHT	0.000
	Name	INS16377322
	Part Reference	C1
	Reference	C1
	Designator	
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_10.0\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	CAP NP.Normal
	Source Package	CAP NP
	Power Pins Visible	False
	Graphic	CAP NP.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16377624	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	GROUP	4
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	VENDOR	Arrow
	Name	INS16377624
	Part Reference	U4B
	Reference	U4
	Designator	B
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02B.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02B.Normal

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16375852
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	N16375898
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N16375898
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16386411	PCB Footprint	SOT23_123
	VENDOR_PT_NO	ISL21080DIH312Z-TKCT-ND
	VENDOR	Digikey
	Manufacturer PN	ISL21080DIH312Z-TK
	Manufacturer	Renesas
	PART_NUMBER	ISL21080DIH312Z-TK
	Supply Voltage	5V
	Name	INS16386411
	Part Reference	U30
	Reference	U30
	Designator	
	Value	ISL21080DIH312Z-TK
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT3.OLB
	Source Part	REF3012.Normal
	Source Package	REF3012
	Power Pins Visible	False
	Graphic	REF3012.Normal

Object	Property Name	Property Value
IN	Name	IN
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
OUT	Name	OUT
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	1.25V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
GND	Name	GND
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16376824	PCB Footprint	UNASSIGNED
	VENDOR	Digikey
	PART_NUMBER	1881406
	Description	TERM BLOCK PLUG 10POS STR 2.5MM
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IO
	Manufacturer	Phoenix Contact
	Manufacturer PN	1881406
	VENDOR_PT_NO	277-1438-ND
	Name	INS16376824
	Part Reference	P9
	Reference	P9
	Designator	
	Value	1881406
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	PLUG2.Normal
	Source Package	PLUG2
	Power Pins Visible	False
	Graphic	PLUG2.Normal

Object	Property Name	Property Value
INS16386116	PCB Footprint	tp_040
	Vendor	Digikey
	VENDOR_PT_NO	36-5002-ND
	Name	INS16386116
	Part Reference	TP12
	Reference	TP12
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	TEMP
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16382769	PCB Footprint	8_SOIC
	Manufacturer	Analog Devices Inc.
	VENDOR_PT_NO	505-AD8628ARZ-REEL7CT-ND
	Supply Voltage	5V
	VENDOR	Digikey
	Manufacturer PN	AD8628ARZ-REEL7
	PART_NUMBER	AD8628ARZ-REEL7
	Name	INS16382769
	Part Reference	U24
	Reference	U24
	Designator	
	Value	AD8628ARZ-REEL7
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DRT4.OLB
	Source Part	AD8628ARZ-REEL7.Normal
	Source Package	AD8628ARZ-REEL7
	Power Pins Visible	False
	Graphic	AD8628ARZ-REEL7.Normal

Object	Property Name	Property Value
+IN	Name	+IN
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N16382697
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
-IN	Name	-IN
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	1.25V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT	Name	OUT
	Number	6
	Swap Id	-1
	Type	Output
	Net Name	350_I_O_1
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
V+	Name	V+
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
NC5	Name	NC5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
V-	Name	V-
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
NC1	Name	NC1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
NC8	Name	NC8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS16376320	PCB Footprint	tp_040
	Vendor	Digikey
	VENDOR_PT_NO	36-5002-ND
	Name	INS16376320
	Part Reference	TP1
	Reference	TP1
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16378134	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR	Arrow
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	GROUP	1
	VENDOR_PT_NO	SN74HC02NSR
	Name	INS16378134
	Part Reference	U1A
	Reference	U1
	Designator	A
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02A.Normal
	Source Package	74HC02
	Power Pins Visible	True
	Graphic	74HC02A.Normal

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16375446
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N16375446
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16375456
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16376622	PCB Footprint	c_0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	0
	COMPROT	0
	COMPLOC	[2695.000,2155.000]
	COMPSIDE	TOP
	FPLIST	
	VENDOR	Digikey
	VENDOR_PT_NO	1276-6840-1-ND
	Name	INS16376622
	Part Reference	C4
	Reference	C4
	Designator	
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_10.0\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	CAP NP.Normal
	Source Package	CAP NP
	Power Pins Visible	False
	Graphic	CAP NP.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16376924	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	GROUP	3
	VENDOR	Arrow
	Name	INS16376924
	Part Reference	U3A
	Reference	U3
	Designator	A
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02A.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02A.Normal

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16375696
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N16375696
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16375702
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16378022	PCB Footprint	PHOENIX_1881529
	VENDOR_PT_NO	277-1449-ND
	PART_NUMBER	1881529
	Description	TERM BLOCK HDR 10POS 90DEG 2.5MM
	Contact Voltage	200 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IO
	Manufacturer	Phoenix Contact
	Manufacturer PN	1881529
	VENDOR	Digikey
	Name	INS16378022
	Part Reference	J5
	Reference	J5
	Designator	
	Value	1881529
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	CON10.Normal
	Source Package	CON10
	Power Pins Visible	False
	Graphic	CON10.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16375446
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16375470
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N16375494
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16375530
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	N16375578
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N16375630
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	N16375638
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	N16375650
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	24V
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
INS16377026	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR	Arrow
	PART_NUMBER	SN74HC02NSR
	Description	IC GATE NOR 4CH 2-INP 14-SO
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Supply Voltage	2 V - 6 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	Texas Instruments
	Manufacturer PN	SN74HC02NSR
	GROUP	2
	VENDOR_PT_NO	SN74HC02NSR
	Name	INS16377026
	Part Reference	U2A
	Reference	U2
	Designator	A
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02A.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02A.Normal

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16375578
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N16375578
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16375568
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16377532	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR_PT_NO	SN74HC02NSR
	PART_NUMBER	SN74HC02NSR
	Description	IC GATE NOR 4CH 2-INP 14-SO
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Supply Voltage	2 V - 6 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	Texas Instruments
	Manufacturer PN	SN74HC02NSR
	GROUP	4
	VENDOR	Arrow
	Name	INS16377532
	Part Reference	U4A
	Reference	U4
	Designator	A
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02A.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02A.Normal

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16375822
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N16375822
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16375812
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16382989	PCB Footprint	th_r_p125w
	VendorPtNo	541-RN55D1002FR36CT-ND
	VENDOR_PT_NO	541-RN55D1002FR36CT-ND
	Package Size	
	Manufacturer	Vishay Dale
	Manufacturer PN	RN55D1002FR36
	PART_NUMBER	RN55D1002FR36
	VENDOR	Digikey
	ManufacturerPartNumber	RN55D1002FR36
	Name	INS16382989
	Part Reference	R16
	Reference	R16
	Designator	
	Value	10k
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\CADENCE\SPB_17.2\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	R.Normal
	Source Package	R
	Power Pins Visible	False
	Graphic	R.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_4
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16383063
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16378226	PCB Footprint	PHOENIX_1881529
	VENDOR_PT_NO	277-1449-ND
	PART_NUMBER	1881529
	Description	TERM BLOCK HDR 10POS 90DEG 2.5MM
	Contact Voltage	200 V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IO
	Manufacturer	Phoenix Contact
	Manufacturer PN	1881529
	VENDOR	Digikey
	Name	INS16378226
	Part Reference	J7
	Reference	J7
	Designator	
	Value	1881529
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	CON10.Normal
	Source Package	CON10
	Power Pins Visible	False
	Graphic	CON10.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16375696
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16375714
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N16375738
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16375782
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	N16375822
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N16375898
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
7	Name	7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	N16375908
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	N16375920
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	24V
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
INS16377740	PCB Footprint	c_0805
	COMPHEIGHT	0.000
	MEMORY	NO
	DECOUPLER	NO
	COMPKEY	NO
	COMPLOCKED	NO
	COMPFIXED	NO
	COMPGROUP	0
	COMPROT	0
	COMPLOC	[2695.000,2155.000]
	COMPSIDE	TOP
	FPLIST	
	VENDOR	Digikey
	VENDOR_PT_NO	1276-6840-1-ND
	Name	INS16377740
	Part Reference	C2
	Reference	C2
	Designator	
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_10.0\TOOLS\CAPTURE\LIBRARY\DISCRETE.OLB
	Source Part	CAP NP.Normal
	Source Package	CAP NP
	Power Pins Visible	False
	Graphic	CAP NP.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16378518	PCB Footprint	SOIC127P1030X265-18N
	VENDOR	Arrow
	PART_NUMBER	ULN2803ADWR
	Description	IC DARL TRANS ARRAY HV 18-SOL
	Package Size	18-SOIC (0.295, 7.50mm Width)
	Supply Voltage	5V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	TI
	Manufacturer PN	ULN2803AFWG(C,ELHA
	VENDOR_PT_NO	ULN2803ADWR
	Name	INS16378518
	Part Reference	U6
	Reference	U6
	Designator	
	Value	ULN2803ADWR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	ULN2803A.Normal
	Source Package	ULN2803A
	Power Pins Visible	False
	Graphic	ULN2803A.Normal

Object	Property Name	Property Value
I1	Name	I1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16375702
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
I2	Name	I2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16375720
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
I3	Name	I3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N16375750
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
GND	Name	GND
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
COM	Name	COM
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	24V
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
1C	Name	1C
	Number	18
	Swap Id	-1
	Type	Passive
	Net Name	350v SSR#1
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
2C	Name	2C
	Number	17
	Swap Id	-1
	Type	Passive
	Net Name	350v SSR#2
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
3C	Name	3C
	Number	16
	Swap Id	-1
	Type	Passive
	Net Name	350v SSR#3
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
4C	Name	4C
	Number	15
	Swap Id	-1
	Type	Passive
	Net Name	350v SSR#4
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
5C	Name	5C
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	N/C
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
6C	Name	6C
	Number	13
	Swap Id	-1
	Type	Passive
	Net Name	350v DF#2
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
7C	Name	7C
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	N/C
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
8C	Name	8C
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	N/C
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
I4	Name	I4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16375788
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
I5	Name	I5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	N16375812
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
I6	Name	I6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N16375852
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
I7	Name	I7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	N16375870
	Order	16
	Is No Connect	False

Object	Property Name	Property Value
I8	Name	I8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	N16375890
	Order	17
	Is No Connect	False

Object	Property Name	Property Value
INS16377236	PCB Footprint	SOIC14P127_1050X780X200L80X43N
	VENDOR	Arrow
	GROUP	1
	Manufacturer PN	SN74HC02NSR
	Manufacturer	Texas Instruments
	CLASS	IC
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Supply Voltage	2 V - 6 V
	Package Size	14-SOIC (0.209, 5.30mm Width)
	Description	IC GATE NOR 4CH 2-INP 14-SO
	PART_NUMBER	SN74HC02NSR
	VENDOR_PT_NO	SN74HC02NSR
	Name	INS16377236
	Part Reference	U1C
	Reference	U1
	Designator	C
	Value	SN74HC02NSR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	74HC02C.Normal
	Source Package	74HC02
	Power Pins Visible	False
	Graphic	74HC02C.Normal

Object	Property Name	Property Value
8	Name	8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	N16375494
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
9	Name	9
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	N16375494
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
10	Name	10
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	N16375504
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS16382593	PCB Footprint	tp_040
	VENDOR_PT_NO	36-5002-ND
	Vendor	Digikey
	Name	INS16382593
	Part Reference	TP7
	Reference	TP7
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_IN_1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16383199	PCB Footprint	tp_040
	VENDOR_PT_NO	36-5002-ND
	Vendor	Digikey
	Name	INS16383199
	Part Reference	TP17
	Reference	TP17
	Designator	
	Value	TP_040
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\DRT1.OLB
	Source Part	TP_040.Normal
	Source Package	TP_040
	Power Pins Visible	False
	Graphic	TP_040.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	350_I_O_4
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS16377914	PCB Footprint	SOIC127P1030X265-18N
	VENDOR	Arrow
	PART_NUMBER	ULN2803ADWR
	Description	IC DARL TRANS ARRAY HV 18-SOL
	Package Size	18-SOIC (0.295, 7.50mm Width)
	Supply Voltage	5V
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IC
	Manufacturer	TI
	Manufacturer PN	ULN2803AFWG(C,ELHA
	VENDOR_PT_NO	ULN2803ADWR
	Name	INS16377914
	Part Reference	U5
	Reference	U5
	Designator	
	Value	ULN2803ADWR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\INTEGRATED_CIRCUITS.OLB
	Source Part	ULN2803A.Normal
	Source Package	ULN2803A
	Power Pins Visible	False
	Graphic	ULN2803A.Normal

Object	Property Name	Property Value
I1	Name	I1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N16375456
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
I2	Name	I2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N16375480
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
I3	Name	I3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N16375504
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
GND	Name	GND
	Number	9
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
COM	Name	COM
	Number	10
	Swap Id	-1
	Type	Passive
	Net Name	24V
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
1C	Name	1C
	Number	18
	Swap Id	-1
	Type	Passive
	Net Name	350v DF#1
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
2C	Name	2C
	Number	17
	Swap Id	-1
	Type	Passive
	Net Name	GFD 350v (1-N)
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
3C	Name	3C
	Number	16
	Swap Id	-1
	Type	Passive
	Net Name	GFD 350COM (1-N)
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
4C	Name	4C
	Number	15
	Swap Id	-1
	Type	Passive
	Net Name	350v DF#3
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
5C	Name	5C
	Number	14
	Swap Id	-1
	Type	Passive
	Net Name	350v DF#4
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
6C	Name	6C
	Number	13
	Swap Id	-1
	Type	Passive
	Net Name	GFD 350v (2-N)
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
7C	Name	7C
	Number	12
	Swap Id	-1
	Type	Passive
	Net Name	GFD 350COM (2-N)
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
8C	Name	8C
	Number	11
	Swap Id	-1
	Type	Passive
	Net Name	GFD TEST (N)
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
I4	Name	I4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	N16375540
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
I5	Name	I5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	N16375568
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
I6	Name	I6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N16375590
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
I7	Name	I7
	Number	7
	Swap Id	-1
	Type	Passive
	Net Name	N16375604
	Order	16
	Is No Connect	False

Object	Property Name	Property Value
I8	Name	I8
	Number	8
	Swap Id	-1
	Type	Passive
	Net Name	N16375622
	Order	17
	Is No Connect	False