Object	Property Name	Property Value
Rectangle	Name	I17695279
	Left	720
	Top	640
	Right	820
	Bottom	800
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Line	Name	I17695779
	Start X-Coordinate	473
	Start Y-Coordinate	427
	End X-Coordinate	467
	End Y-Coordinate	433

Object	Property Name	Property Value
Line	Name	I17695782
	Start X-Coordinate	473
	Start Y-Coordinate	433
	End X-Coordinate	467
	End Y-Coordinate	427

Object	Property Name	Property Value
Line	Name	I17695871
	Start X-Coordinate	970
	Start Y-Coordinate	620
	End X-Coordinate	970
	End Y-Coordinate	650

Object	Property Name	Property Value
Line	Name	I17695874
	Start X-Coordinate	1030
	Start Y-Coordinate	620
	End X-Coordinate	1030
	End Y-Coordinate	650

Object	Property Name	Property Value
Line	Name	I17695877
	Start X-Coordinate	1070
	Start Y-Coordinate	620
	End X-Coordinate	1070
	End Y-Coordinate	650

Object	Property Name	Property Value
Line	Name	I17695892
	Start X-Coordinate	970
	Start Y-Coordinate	650
	End X-Coordinate	970
	End Y-Coordinate	680

Object	Property Name	Property Value
Line	Name	I17695895
	Start X-Coordinate	1030
	Start Y-Coordinate	650
	End X-Coordinate	1030
	End Y-Coordinate	680

Object	Property Name	Property Value
Line	Name	I17695898
	Start X-Coordinate	1070
	Start Y-Coordinate	650
	End X-Coordinate	1070
	End Y-Coordinate	680

Object	Property Name	Property Value
Line	Name	I17695913
	Start X-Coordinate	970
	Start Y-Coordinate	680
	End X-Coordinate	970
	End Y-Coordinate	710

Object	Property Name	Property Value
Line	Name	I17695916
	Start X-Coordinate	1030
	Start Y-Coordinate	680
	End X-Coordinate	1030
	End Y-Coordinate	710

Object	Property Name	Property Value
Line	Name	I17695919
	Start X-Coordinate	1070
	Start Y-Coordinate	680
	End X-Coordinate	1070
	End Y-Coordinate	710

Object	Property Name	Property Value
Line	Name	I17695934
	Start X-Coordinate	970
	Start Y-Coordinate	710
	End X-Coordinate	970
	End Y-Coordinate	740

Object	Property Name	Property Value
Line	Name	I17695937
	Start X-Coordinate	1030
	Start Y-Coordinate	710
	End X-Coordinate	1030
	End Y-Coordinate	740

Object	Property Name	Property Value
Line	Name	I17695940
	Start X-Coordinate	1070
	Start Y-Coordinate	710
	End X-Coordinate	1070
	End Y-Coordinate	740

Object	Property Name	Property Value
Rectangle	Name	I17696028
	Left	659
	Top	909
	Right	761
	Bottom	924
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I17696037
	Left	110
	Top	170
	Right	212
	Bottom	200
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I17696040
	Left	340
	Top	700
	Right	452
	Bottom	730
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I17696046
	Left	639
	Top	540
	Right	730
	Bottom	554
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I17696049
	Left	770
	Top	780
	Right	820
	Bottom	800
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I17696052
	Left	740
	Top	640
	Right	820
	Bottom	660
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I17696055
	Left	940
	Top	620
	Right	1500
	Bottom	650
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I17696058
	Left	940
	Top	680
	Right	1500
	Bottom	710
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I17696061
	Left	940
	Top	710
	Right	1500
	Bottom	740
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I17696064
	Left	940
	Top	650
	Right	1500
	Bottom	680
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Line	Name	I17696247
	Start X-Coordinate	970
	Start Y-Coordinate	590
	End X-Coordinate	970
	End Y-Coordinate	620

Object	Property Name	Property Value
Line	Name	I17696250
	Start X-Coordinate	1030
	Start Y-Coordinate	590
	End X-Coordinate	1030
	End Y-Coordinate	620

Object	Property Name	Property Value
Line	Name	I17696253
	Start X-Coordinate	1070
	Start Y-Coordinate	590
	End X-Coordinate	1070
	End Y-Coordinate	620

Object	Property Name	Property Value
Line	Name	I17696256
	Start X-Coordinate	970
	Start Y-Coordinate	620
	End X-Coordinate	970
	End Y-Coordinate	650

Object	Property Name	Property Value
Line	Name	I17696259
	Start X-Coordinate	1030
	Start Y-Coordinate	620
	End X-Coordinate	1030
	End Y-Coordinate	650

Object	Property Name	Property Value
Line	Name	I17696262
	Start X-Coordinate	1070
	Start Y-Coordinate	620
	End X-Coordinate	1070
	End Y-Coordinate	650

Object	Property Name	Property Value
Rectangle	Name	I17696265
	Left	940
	Top	590
	Right	1500
	Bottom	620
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I17696329
	Bounding Box Left	790
	Bounding Box Right	1200
	Bounding Box Top	100
	Bounding Box Bottom	520
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I17697350
	Bounding Box Left	820
	Bounding Box Right	840
	Bounding Box Top	410
	Bounding Box Bottom	390
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Red	Name	I17695126
	Bounding Box Left	210
	Bounding Box Right	229
	Bounding Box Top	380
	Bounding Box Bottom	389
	Text	Red
	Text Location X-Coordinate	210
	Text Location Y-Coordinate	380
	Font	Arial

Object	Property Name	Property Value
Connect shield to motor frame through PCB	Name	I17695135
	Bounding Box Left	570
	Bounding Box Right	756
	Bounding Box Top	280
	Bounding Box Bottom	289
	Text	Connect shield to motor frame through PCB
	Text Location X-Coordinate	570
	Text Location Y-Coordinate	280
	Font	Arial

Object	Property Name	Property Value
Blk	Name	I17695138
	Bounding Box Left	210
	Bounding Box Right	225
	Bounding Box Top	370
	Bounding Box Bottom	379
	Text	Blk
	Text Location X-Coordinate	210
	Text Location Y-Coordinate	370
	Font	Arial

Object	Property Name	Property Value
Wht	Name	I17695144
	Bounding Box Left	210
	Bounding Box Right	229
	Bounding Box Top	390
	Bounding Box Bottom	399
	Text	Wht
	Text Location X-Coordinate	210
	Text Location Y-Coordinate	390
	Font	Arial

Object	Property Name	Property Value
<--- Length 2" --->	Name	I17695150
	Bounding Box Left	520
	Bounding Box Right	595
	Bounding Box Top	300
	Bounding Box Bottom	309
	Text	<--- Length 2 --->
	Text Location X-Coordinate	520
	Text Location Y-Coordinate	300
	Font	Arial

Object	Property Name	Property Value
"Thruster Phase"	Name	I17695156
	Bounding Box Left	780
	Bounding Box Right	851
	Bounding Box Top	40
	Bounding Box Bottom	49
	Text	Thruster Phase
	Text Location X-Coordinate	780
	Text Location Y-Coordinate	40
	Font	Arial

Object	Property Name	Property Value
Shld	Name	I17695183
	Bounding Box Left	740
	Bounding Box Right	749
	Bounding Box Top	560
	Bounding Box Bottom	580
	Text	Shld
	Text Location X-Coordinate	740
	Text Location Y-Coordinate	560
	Font	Arial

Object	Property Name	Property Value
Discrete	Name	I17695186
	Bounding Box Left	801
	Bounding Box Right	810
	Bounding Box Top	738
	Bounding Box Bottom	775
	Text	Discrete
	Text Location X-Coordinate	801
	Text Location Y-Coordinate	738
	Font	Arial

Object	Property Name	Property Value
"HE Thruster Comms 232"	Name	I17695189
	Bounding Box Left	660
	Bounding Box Right	772
	Bounding Box Top	910
	Bounding Box Bottom	919
	Text	HE Thruster Comms 232
	Text Location X-Coordinate	660
	Text Location Y-Coordinate	910
	Font	Arial

Object	Property Name	Property Value
232 TxD	Name	I17695192
	Bounding Box Left	771
	Bounding Box Right	780
	Bounding Box Top	749
	Bounding Box Bottom	786
	Text	232 TxD
	Text Location X-Coordinate	771
	Text Location Y-Coordinate	749
	Font	Arial

Object	Property Name	Property Value
Wht	Name	I17695195
	Bounding Box Left	700
	Bounding Box Right	719
	Bounding Box Top	330
	Bounding Box Bottom	339
	Text	Wht
	Text Location X-Coordinate	700
	Text Location Y-Coordinate	330
	Font	Arial

Object	Property Name	Property Value
Red	Name	I17695198
	Bounding Box Left	780
	Bounding Box Right	789
	Bounding Box Top	890
	Bounding Box Bottom	909
	Text	Red
	Text Location X-Coordinate	780
	Text Location Y-Coordinate	890
	Font	Arial

Object	Property Name	Property Value
PwrCom	Name	I17695201
	Bounding Box Left	751
	Bounding Box Right	760
	Bounding Box Top	660
	Bounding Box Bottom	697
	Text	PwrCom
	Text Location X-Coordinate	751
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
+VBatt	Name	I17695204
	Bounding Box Left	761
	Bounding Box Right	770
	Bounding Box Top	660
	Bounding Box Bottom	690
	Text	+VBatt
	Text Location X-Coordinate	761
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
Red	Name	I17695207
	Bounding Box Left	760
	Bounding Box Right	769
	Bounding Box Top	561
	Bounding Box Bottom	580
	Text	Red
	Text Location X-Coordinate	760
	Text Location Y-Coordinate	561
	Font	Arial

Object	Property Name	Property Value
232 Com	Name	I17695210
	Bounding Box Left	791
	Bounding Box Right	800
	Bounding Box Top	735
	Bounding Box Bottom	775
	Text	232 Com
	Text Location X-Coordinate	791
	Text Location Y-Coordinate	735
	Font	Arial

Object	Property Name	Property Value
Blk	Name	I17695213
	Bounding Box Left	791
	Bounding Box Right	800
	Bounding Box Top	894
	Bounding Box Bottom	909
	Text	Blk
	Text Location X-Coordinate	791
	Text Location Y-Coordinate	894
	Font	Arial

Object	Property Name	Property Value
PwrCom	Name	I17695216
	Bounding Box Left	791
	Bounding Box Right	800
	Bounding Box Top	660
	Bounding Box Bottom	697
	Text	PwrCom
	Text Location X-Coordinate	791
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
FrameGround	Name	I17695219
	Bounding Box Left	741
	Bounding Box Right	750
	Bounding Box Top	659
	Bounding Box Bottom	718
	Text	FrameGround
	Text Location X-Coordinate	741
	Text Location Y-Coordinate	659
	Font	Arial

Object	Property Name	Property Value
Blk	Name	I17695222
	Bounding Box Left	750
	Bounding Box Right	759
	Bounding Box Top	565
	Bounding Box Bottom	580
	Text	Blk
	Text Location X-Coordinate	750
	Text Location Y-Coordinate	565
	Font	Arial

Object	Property Name	Property Value
LCB (ref)	Name	I17695225
	Bounding Box Left	720
	Bounding Box Right	731
	Bounding Box Top	750
	Bounding Box Bottom	793
	Text	LCB (ref)
	Text Location X-Coordinate	720
	Text Location Y-Coordinate	750
	Font	Arial Narrow

Object	Property Name	Property Value
Blk	Name	I17695228
	Bounding Box Left	750
	Bounding Box Right	765
	Bounding Box Top	230
	Bounding Box Bottom	239
	Text	Blk
	Text Location X-Coordinate	750
	Text Location Y-Coordinate	230
	Font	Arial

Object	Property Name	Property Value
Shld	Name	I17695231
	Bounding Box Left	500
	Bounding Box Right	509
	Bounding Box Top	270
	Bounding Box Bottom	290
	Text	Shld
	Text Location X-Coordinate	500
	Text Location Y-Coordinate	270
	Font	Arial

Object	Property Name	Property Value
+VBatt	Name	I17695234
	Bounding Box Left	801
	Bounding Box Right	810
	Bounding Box Top	660
	Bounding Box Bottom	690
	Text	+VBatt
	Text Location X-Coordinate	801
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
"HE Thruster Pwr VBatt"	Name	I17695237
	Bounding Box Left	640
	Bounding Box Right	742
	Bounding Box Top	540
	Bounding Box Bottom	549
	Text	HE Thruster Pwr VBatt
	Text Location X-Coordinate	640
	Text Location Y-Coordinate	540
	Font	Arial

Object	Property Name	Property Value
232 RxD	Name	I17695240
	Bounding Box Left	781
	Bounding Box Right	790
	Bounding Box Top	749
	Bounding Box Bottom	788
	Text	232 RxD
	Text Location X-Coordinate	781
	Text Location Y-Coordinate	749
	Font	Arial

Object	Property Name	Property Value
Blk	Name	I17695243
	Bounding Box Left	450
	Bounding Box Right	459
	Bounding Box Top	390
	Bounding Box Bottom	405
	Text	Blk
	Text Location X-Coordinate	450
	Text Location Y-Coordinate	390
	Font	Arial

Object	Property Name	Property Value
Wht	Name	I17695246
	Bounding Box Left	770
	Bounding Box Right	779
	Bounding Box Top	890
	Bounding Box Bottom	909
	Text	Wht
	Text Location X-Coordinate	770
	Text Location Y-Coordinate	890
	Font	Arial

Object	Property Name	Property Value
PwrCom	Name	I17695249
	Bounding Box Left	771
	Bounding Box Right	780
	Bounding Box Top	660
	Bounding Box Bottom	697
	Text	PwrCom
	Text Location X-Coordinate	771
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
Red	Name	I17695252
	Bounding Box Left	750
	Bounding Box Right	769
	Bounding Box Top	220
	Bounding Box Bottom	229
	Text	Red
	Text Location X-Coordinate	750
	Text Location Y-Coordinate	220
	Font	Arial

Object	Property Name	Property Value
Shld	Name	I17695255
	Bounding Box Left	801
	Bounding Box Right	810
	Bounding Box Top	889
	Bounding Box Bottom	909
	Text	Shld
	Text Location X-Coordinate	801
	Text Location Y-Coordinate	889
	Font	Arial

Object	Property Name	Property Value
+VBatt	Name	I17695258
	Bounding Box Left	781
	Bounding Box Right	790
	Bounding Box Top	660
	Bounding Box Bottom	690
	Text	+VBatt
	Text Location X-Coordinate	781
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
Shld	Name	I17695261
	Bounding Box Left	460
	Bounding Box Right	469
	Bounding Box Top	390
	Bounding Box Bottom	410
	Text	Shld
	Text Location X-Coordinate	460
	Text Location Y-Coordinate	390
	Font	Arial

Object	Property Name	Property Value
Red	Name	I17695264
	Bounding Box Left	700
	Bounding Box Right	719
	Bounding Box Top	340
	Bounding Box Bottom	349
	Text	Red
	Text Location X-Coordinate	700
	Text Location Y-Coordinate	340
	Font	Arial

Object	Property Name	Property Value
Frame	Name	I17695267
	Bounding Box Left	911
	Bounding Box Right	940
	Bounding Box Top	920
	Bounding Box Bottom	929
	Text	Frame
	Text Location X-Coordinate	911
	Text Location Y-Coordinate	920
	Font	Arial

Object	Property Name	Property Value
10021161-2-H2	Name	I17695270
	Bounding Box Left	350
	Bounding Box Right	440
	Bounding Box Top	710
	Bounding Box Bottom	723
	Text	10021161-2-H2
	Text Location X-Coordinate	350
	Text Location Y-Coordinate	710
	Font	Arial

Object	Property Name	Property Value
10021161-2-H1	Name	I17695273
	Bounding Box Left	120
	Bounding Box Right	210
	Bounding Box Top	180
	Bounding Box Bottom	193
	Text	10021161-2-H1
	Text Location X-Coordinate	120
	Text Location Y-Coordinate	180
	Font	Arial

Object	Property Name	Property Value
HARNESS	Name	I17695276
	Bounding Box Left	130
	Bounding Box Right	195
	Bounding Box Top	150
	Bounding Box Bottom	163
	Text	HARNESS
	Text Location X-Coordinate	130
	Text Location Y-Coordinate	150
	Font	Arial

Object	Property Name	Property Value
<--- Length 29" --->	Name	I17695282
	Bounding Box Left	540
	Bounding Box Right	620
	Bounding Box Top	550
	Bounding Box Bottom	559
	Text	<--- Length 29 --->
	Text Location X-Coordinate	540
	Text Location Y-Coordinate	550
	Font	Arial

Object	Property Name	Property Value
<--- Cable Length 2" --->	Name	I17695311
	Bounding Box Left	390
	Bounding Box Right	492
	Bounding Box Top	39
	Bounding Box Bottom	48
	Text	<--- Cable Length 2 --->
	Text Location X-Coordinate	390
	Text Location Y-Coordinate	39
	Font	Arial

Object	Property Name	Property Value
HARNESS	Name	I17695577
	Bounding Box Left	360
	Bounding Box Right	425
	Bounding Box Top	680
	Bounding Box Bottom	693
	Text	HARNESS
	Text Location X-Coordinate	360
	Text Location Y-Coordinate	680
	Font	Arial

Object	Property Name	Property Value
C	Name	I17695859
	Bounding Box Left	950
	Bounding Box Right	959
	Bounding Box Top	630
	Bounding Box Bottom	639
	Text	C
	Text Location X-Coordinate	950
	Text Location Y-Coordinate	630
	Font	Arial

Object	Property Name	Property Value
5 Nov 2020	Name	I17695862
	Bounding Box Left	980
	Bounding Box Right	1031
	Bounding Box Top	630
	Bounding Box Bottom	639
	Text	5 Nov 2020
	Text Location X-Coordinate	980
	Text Location Y-Coordinate	630
	Font	Arial

Object	Property Name	Property Value
BWH	Name	I17695865
	Bounding Box Left	1040
	Bounding Box Right	1064
	Bounding Box Top	630
	Bounding Box Bottom	639
	Text	BWH
	Text Location X-Coordinate	1040
	Text Location Y-Coordinate	630
	Font	Arial

Object	Property Name	Property Value
changed motor and hall wiring to improve performance and allow reverse thrust. Was: Phase A-C Blk, Red, White, Hall A-C Orn, Yel, Brn. Tach was Orn, Yel	Name	I17695868
	Bounding Box Left	1080
	Bounding Box Right	1491
	Bounding Box Top	630
	Bounding Box Bottom	648
	Text	changed motor and hall wiring to improve performance and allow reverse thrus
	Text Location X-Coordinate	1080
	Text Location Y-Coordinate	630
	Font	Arial

Object	Property Name	Property Value
21 Jan 2016	Name	I17695880
	Bounding Box Left	980
	Bounding Box Right	1033
	Bounding Box Top	660
	Bounding Box Bottom	669
	Text	21 Jan 2016
	Text Location X-Coordinate	980
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
ECM	Name	I17695883
	Bounding Box Left	1040
	Bounding Box Right	1062
	Bounding Box Top	660
	Bounding Box Bottom	669
	Text	ECM
	Text Location X-Coordinate	1040
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
add lengths; add encoder wires; add braided sleeve, revise ground (green) wire arrangement	Name	I17695886
	Bounding Box Left	1080
	Bounding Box Right	1465
	Bounding Box Top	660
	Bounding Box Bottom	669
	Text	add lengths; add encoder wires; add braided sleeve, revise ground (green) wir
	Text Location X-Coordinate	1080
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
B	Name	I17695889
	Bounding Box Left	950
	Bounding Box Right	958
	Bounding Box Top	660
	Bounding Box Bottom	669
	Text	B
	Text Location X-Coordinate	950
	Text Location Y-Coordinate	660
	Font	Arial

Object	Property Name	Property Value
23 Jun 2015	Name	I17695901
	Bounding Box Left	980
	Bounding Box Right	1033
	Bounding Box Top	690
	Bounding Box Bottom	699
	Text	23 Jun 2015
	Text Location X-Coordinate	980
	Text Location Y-Coordinate	690
	Font	Arial

Object	Property Name	Property Value
A	Name	I17695904
	Bounding Box Left	950
	Bounding Box Right	958
	Bounding Box Top	690
	Bounding Box Bottom	699
	Text	A
	Text Location X-Coordinate	950
	Text Location Y-Coordinate	690
	Font	Arial

Object	Property Name	Property Value
add note to terminate Motor wires at MBARI during final ass'y	Name	I17695907
	Bounding Box Left	1080
	Bounding Box Right	1339
	Bounding Box Top	690
	Bounding Box Bottom	699
	Text	add note to terminate Motor wires at MBARI during final ass'y
	Text Location X-Coordinate	1080
	Text Location Y-Coordinate	690
	Font	Arial

Object	Property Name	Property Value
ECM	Name	I17695910
	Bounding Box Left	1040
	Bounding Box Right	1062
	Bounding Box Top	690
	Bounding Box Bottom	699
	Text	ECM
	Text Location X-Coordinate	1040
	Text Location Y-Coordinate	690
	Font	Arial

Object	Property Name	Property Value
Fork from Dwg 10020580 "Makai Pressure Vessel2-5"	Name	I17695922
	Bounding Box Left	1080
	Bounding Box Right	1305
	Bounding Box Top	720
	Bounding Box Bottom	729
	Text	Fork from Dwg 10020580 Makai Pressure Vessel2-5
	Text Location X-Coordinate	1080
	Text Location Y-Coordinate	720
	Font	Arial

Object	Property Name	Property Value
ECM	Name	I17695925
	Bounding Box Left	1040
	Bounding Box Right	1062
	Bounding Box Top	720
	Bounding Box Bottom	729
	Text	ECM
	Text Location X-Coordinate	1040
	Text Location Y-Coordinate	720
	Font	Arial

Object	Property Name	Property Value
10 Feb 2015	Name	I17695928
	Bounding Box Left	980
	Bounding Box Right	1034
	Bounding Box Top	720
	Bounding Box Bottom	729
	Text	10 Feb 2015
	Text Location X-Coordinate	980
	Text Location Y-Coordinate	720
	Font	Arial

Object	Property Name	Property Value
--	Name	I17695931
	Bounding Box Left	950
	Bounding Box Right	958
	Bounding Box Top	720
	Bounding Box Bottom	729
	Text	--
	Text Location X-Coordinate	950
	Text Location Y-Coordinate	720
	Font	Arial

Object	Property Name	Property Value
MBARI proprietary information (c) MBARI 2017	Name	I17695974
	Bounding Box Left	1390
	Bounding Box Right	1496
	Bounding Box Top	810
	Bounding Box Bottom	826
	Text	MBARI proprietary information (c) MBARI 2017
	Text Location X-Coordinate	1390
	Text Location Y-Coordinate	810
	Font	Arial

Object	Property Name	Property Value
<--- Length 5" --->	Name	I17695991
	Bounding Box Left	810
	Bounding Box Right	885
	Bounding Box Top	870
	Bounding Box Bottom	879
	Text	<--- Length 5 --->
	Text Location X-Coordinate	810
	Text Location Y-Coordinate	870
	Font	Arial

Object	Property Name	Property Value
<--- Length 29" --->	Name	I17696011
	Bounding Box Left	510
	Bounding Box Right	590
	Bounding Box Top	910
	Bounding Box Bottom	919
	Text	<--- Length 29 --->
	Text Location X-Coordinate	510
	Text Location Y-Coordinate	910
	Font	Arial

Object	Property Name	Property Value
BWH	Name	I17696235
	Bounding Box Left	1040
	Bounding Box Right	1064
	Bounding Box Top	600
	Bounding Box Bottom	609
	Text	BWH
	Text Location X-Coordinate	1040
	Text Location Y-Coordinate	600
	Font	Arial

Object	Property Name	Property Value
Upgraded to HE Thuster Amplifier	Name	I17696238
	Bounding Box Left	1080
	Bounding Box Right	1223
	Bounding Box Top	600
	Bounding Box Bottom	609
	Text	Upgraded to HE Thuster Amplifier
	Text Location X-Coordinate	1080
	Text Location Y-Coordinate	600
	Font	Arial

Object	Property Name	Property Value
D	Name	I17696241
	Bounding Box Left	950
	Bounding Box Right	959
	Bounding Box Top	600
	Bounding Box Bottom	609
	Text	D
	Text Location X-Coordinate	950
	Text Location Y-Coordinate	600
	Font	Arial

Object	Property Name	Property Value
16 July 2021	Name	I17696244
	Bounding Box Left	980
	Bounding Box Right	1036
	Bounding Box Top	600
	Bounding Box Bottom	609
	Text	16 July 2021
	Text Location X-Coordinate	980
	Text Location Y-Coordinate	600
	Font	Arial

Object	Property Name	Property Value
HE Thruster Amplifier Mounted to Motor	Name	I17697259
	Bounding Box Left	880
	Bounding Box Right	1116
	Bounding Box Top	190
	Bounding Box Bottom	228
	Text	HE Thruster Amplifier Mounted to Motor
	Text Location X-Coordinate	880
	Text Location Y-Coordinate	190
	Font	Courier New

Object	Property Name	Property Value
Blk	Name	I17697337
	Bounding Box Left	700
	Bounding Box Right	715
	Bounding Box Top	320
	Bounding Box Bottom	329
	Text	Blk
	Text Location X-Coordinate	700
	Text Location Y-Coordinate	320
	Font	Arial

Object	Property Name	Property Value
Amplifier bonded to motor through frame	Name	I17697351
	Bounding Box Left	580
	Bounding Box Right	777
	Bounding Box Top	450
	Bounding Box Bottom	459
	Text	Amplifier bonded to motor through frame
	Text Location X-Coordinate	580
	Text Location Y-Coordinate	450
	Font	Courier New

Object	Property Name	Property Value
DigiKey WM2901-ND case WM2512-ND pins	Name	I17728858
	Bounding Box Left	690
	Bounding Box Right	802
	Bounding Box Top	380
	Bounding Box Bottom	398
	Text	DigiKey WM2901-ND case WM2512-ND pins
	Text Location X-Coordinate	690
	Text Location Y-Coordinate	380
	Font	Courier New

Object	Property Name	Property Value
N17695322 (Wire ID = 17695322)	Net Name	N17695322
	ID	17697286

Object	Property Name	Property Value
N17695322 (Wire ID = 17695324)	Net Name	N17695322
	ID	17697286

Object	Property Name	Property Value
N17695322 (Wire ID = 17695625)	Net Name	N17695322
	ID	17697286

Object	Property Name	Property Value
N17695629 (Wire ID = 17695629)	Net Name	N17695629
	ID	17696281

Object	Property Name	Property Value
N17695322 (Wire ID = 17695632)	Net Name	N17695322
	ID	17697286

Object	Property Name	Property Value
N17695646 (Wire ID = 17695646)	Net Name	N17695646
	ID	17696279

Object	Property Name	Property Value
N17695660 (Wire ID = 17695660)	Net Name	N17695660
	ID	17696277

Object	Property Name	Property Value
N17695663 (Wire ID = 17695663)	Net Name	N17695663
	ID	17728865

Object	Property Name	Property Value
N17695677 (Wire ID = 17695677)	Net Name	N17695677
	ID	17728867

Object	Property Name	Property Value
N17695688 (Wire ID = 17695688)	Net Name	N17695688
	ID	17728879

Object	Property Name	Property Value
N17695717 (Wire ID = 17695717)	Net Name	N17695717
	ID	17697323

Object	Property Name	Property Value
N17695719 (Wire ID = 17695719)	Net Name	N17695719
	ID	17697094

Object	Property Name	Property Value
N17695722 (Wire ID = 17695722)	Net Name	N17695722
	ID	17728880

Object	Property Name	Property Value
N17695751 (Wire ID = 17695751)	Net Name	N17695751
	ID	17697188

Object	Property Name	Property Value
N17695808 (Wire ID = 17695808)	Net Name	N17695808
	ID	17697294

Object	Property Name	Property Value
N17695719 (Wire ID = 17695822)	Net Name	N17695719
	ID	17697094

Object	Property Name	Property Value
N17695719 (Wire ID = 17695824)	Net Name	N17695719
	ID	17697094

Object	Property Name	Property Value
N17695719 (Wire ID = 17695828)	Net Name	N17695719
	ID	17697094

Object	Property Name	Property Value
N17695831 (Wire ID = 17695831)	Net Name	N17695831
	ID	17696099

Object	Property Name	Property Value
N17695833 (Wire ID = 17695833)	Net Name	N17695833
	ID	17696102

Object	Property Name	Property Value
N17695835 (Wire ID = 17695835)	Net Name	N17695835
	ID	17696108

Object	Property Name	Property Value
N17695984 (Wire ID = 17695984)	Net Name	N17695984
	ID	17696119

Object	Property Name	Property Value
N17695986 (Wire ID = 17695986)	Net Name	N17695986
	ID	17696072

Object	Property Name	Property Value
N17695988 (Wire ID = 17695988)	Net Name	N17695988
	ID	17696124

Object	Property Name	Property Value
N17696002 (Wire ID = 17696002)	Net Name	N17696002
	ID	17696065

Object	Property Name	Property Value
N17696002 (Wire ID = 17696004)	Net Name	N17696002
	ID	17696065

Object	Property Name	Property Value
GND_EARTH (Wire ID = 17696006)	Net Name	GND_EARTH
	ID	17696069

Object	Property Name	Property Value
GND_EARTH (Wire ID = 17696008)	Net Name	GND_EARTH
	ID	17696069

Object	Property Name	Property Value
N17695717 (Wire ID = 17696015)	Net Name	N17695717
	ID	17697323

Object	Property Name	Property Value
N17695717 (Wire ID = 17696018)	Net Name	N17695717
	ID	17697323

Object	Property Name	Property Value
N17695717 (Wire ID = 17696020)	Net Name	N17695717
	ID	17697323

Object	Property Name	Property Value
N17695717 (Wire ID = 17696023)	Net Name	N17695717
	ID	17697323

Object	Property Name	Property Value
N17695322 (Wire ID = 17696361)	Net Name	N17695322
	ID	17697286

Object	Property Name	Property Value
Red (Wire ID = 17696440)	Net Name	Red
	ID	17728885

Object	Property Name	Property Value
Blk (Wire ID = 17696455)	Net Name	Blk
	ID	17728884

Object	Property Name	Property Value
N17695322 (Wire ID = 17696457)	Net Name	N17695322
	ID	17697286

Object	Property Name	Property Value
Wht (Wire ID = 17696470)	Net Name	Wht
	ID	17728883

Object	Property Name	Property Value
N17695322 (Wire ID = 17696498)	Net Name	N17695322
	ID	17697286

Object	Property Name	Property Value
N17695719 (Wire ID = 17696659)	Net Name	N17695719
	ID	17697094

Object	Property Name	Property Value
N17695717 (Wire ID = 17696751)	Net Name	N17695717
	ID	17697323

Object	Property Name	Property Value
N17695717 (Wire ID = 17696777)	Net Name	N17695717
	ID	17697323

Object	Property Name	Property Value
N17695719 (Wire ID = 17696968)	Net Name	N17695719
	ID	17697094

Object	Property Name	Property Value
N17695808 (Wire ID = 17697080)	Net Name	N17695808
	ID	17697294

Object	Property Name	Property Value
N17695717 (Wire ID = 17697310)	Net Name	N17695717
	ID	17697323

Object	Property Name	Property Value
N17697331 (Wire ID = 17697331)	Net Name	N17697331
	ID	17728866

Object	Property Name	Property Value
N17697338 (Wire ID = 17697338)	Net Name	N17697338
	ID	17697346

Object	Property Name	Property Value
N17697338 (Wire ID = 17697341)	Net Name	N17697338
	ID	17697346

Object	Property Name	Property Value
N17697338 (Wire ID = 17697345)	Net Name	N17697338
	ID	17697346

Object	Property Name	Property Value
GND_EARTH	Name	GND_EARTH
	Source Library	C:\CADENCE\SPB_16.3\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_EARTH

Object	Property Name	Property Value
MBARI_TITLEBLOCK_Ed	Engineer	Mellinger
	Rev	D
	Page Count	38
	Page Number	2
	Doc	100221161
	OrgAddr4	
	OrgAddr3	831-775-1730
	OrgAddr2	Moss Landing CA 95039
	OrgAddr1	7700 Sandholdt Rd
	OrgName	MBARI
	Cage Code	
	RevCode	
	Title	Thruster Wiring Fab, LRAUV Int Press Vess Wiring, Build5
	Name	MBARI_TITLEBLOCK_Ed
	Design Name	100221189_LRAUV_BUILD5_SYSTEMWIRINGDRAWINGSET
	Design File Name	W:\DESIGNDRAWINGS\EE_DRAWINGS\LRAUVWIRING\SYSTEMWIRING\1
	Design Create Date	Monday, July 27, 2009
	Design Modify Date	Monday, September 13, 2021
	Design Create Time	13:14:42
	Design Modify Time	15:45:33
	Schematic Name	LRAUV5BuildInternalWiring
	Schematic Create Date	Wednesday, May 31, 2017
	Schematic Modify Date	Thursday, August 26, 2021
	Schematic Create Time	09:32:52
	Schematic Modify Time	15:45:34
	Schematic Page Count	15
	Schematic Page Number	2
	Page Size	B
	Page Create Date	Thursday, July 15, 2021
	Page Modify Date	Thursday, August 26, 2021
	Page Create Time	14:08:03
	Page Modify Time	14:42:16
	Source Library	U:\UTILITY FILES\ORCAD LIBRARY\ED_TITLEBLOCKS.OLB
	Source Symbol	MBARI_TITLEBLOCK_Ed
	Page Name	02 HE Thruster Wirering Fab
	Layout File	
	Layout	

Object	Property Name	Property Value
INS17695607	PCB Footprint	
	Manufacturer	MBARI
	Description	Thruster LCB Harness
	Manufacturer Number	10021161-2-H2
	Name	INS17695607
	Part Reference	10021161-2-H4
	Reference	10021161-2-H4
	Designator	
	Value	10021161-2-H2
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	J:\ASSEMBLY_PROCEDURES\LRAUV\TOPLEVELDRAWING\TOPLEVEL.O
	Source Part	WIRE HARNESS.Normal
	Source Package	WIRE HARNESS
	Power Pins Visible	False
	Graphic	WIRE HARNESS.Normal

Object	Property Name	Property Value
INS17695813	PCB Footprint	
	Insul Color	
	Distributor	Mouser
	Rating	
	Description	Multi-Paired Cables 22AWG 1PR SHIELD
	Type	2 x #22
	Manufacturer Number	9451
	Manufacturer	Belden
	Distributor Number	566-9451-500
	Stuff	
	Gauge	2 x 22
	Name	INS17695813
	Part Reference	W149
	Reference	W149
	Designator	
	Value	9451
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\TORNADO\PROJECTLIBRARY\900739.LRAUV\PROJECT.DOCUMENTS\E
	Source Part	WIRE_2.Normal
	Source Package	WIRE_2
	Power Pins Visible	False
	Graphic	WIRE_2.Normal

Object	Property Name	Property Value
INS17696337	PCB Footprint	
	Name	INS17696337
	Part Reference	J695
	Reference	J695
	Designator	
	Value	CON4
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_10.5\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	
	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	
	Order	2
	Is No Connect	False

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

Object	Property Name	Property Value
INS17696847	PCB Footprint	
	Name	INS17696847
	Part Reference	C-Grid 3 Pin 50-51-9403
	Reference	C-Grid 3 Pin 50-51-9403
	Designator	
	Value	CON3
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	X:\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	CON3.Normal
	Source Package	CON3
	Power Pins Visible	False
	Graphic	CON3.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N17695677
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N17695663
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N17697331
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS17696547	PCB Footprint	
	Name	INS17696547
	Part Reference	J697
	Reference	J697
	Designator	
	Value	Phoenix 1827127
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	X:\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	CON2.Normal
	Source Package	CON2
	Power Pins Visible	False
	Graphic	CON2.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N17695688
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N17695722
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS17695836	PCB Footprint	
	Rating	
	Manufacturer Number	1445022-7
	Distributor Number	A30263-ND
	Description	CONN RECEPT 3MM 7POS Micro-MATE-N-LOK
	Stuff	
	Type	Micro Mate-N-Lok
	Manufacturer	TE Conn
	Distributor	DigiKey
	Insul Color	
	Name	INS17695836
	Part Reference	P137
	Reference	P137
	Designator	
	Value	MicroMnL 7
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\TORNADO\PROJECTLIBRARY\900739.LRAUV\PROJECT.DOCUMENTS\E
	Source Part	GenericPlug_8.Normal
	Source Package	GenericPlug_8
	Power Pins Visible	False
	Graphic	GenericPlug_8.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N17695831
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N17695833
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N17695835
	Order	2
	Is No Connect	False

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

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

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

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

Object	Property Name	Property Value
INS17696347	PCB Footprint	
	Name	INS17696347
	Part Reference	J696
	Reference	J696
	Designator	
	Value	Phoenix 1827143
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_10.5\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	Blk
	Order	0
	Is No Connect	False

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

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

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

Object	Property Name	Property Value
INS17695545	PCB Footprint	
	Manufacturer Number	10021161-2-H1
	Description	BLDC Motor Harness
	Manufacturer	MBARI
	Name	INS17695545
	Part Reference	10021161-2-H3
	Reference	10021161-2-H3
	Designator	
	Value	10021161-2-H1
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	J:\ASSEMBLY_PROCEDURES\LRAUV\TOPLEVELDRAWING\TOPLEVEL.O
	Source Part	WIRE HARNESS.Normal
	Source Package	WIRE HARNESS
	Power Pins Visible	False
	Graphic	WIRE HARNESS.Normal

Object	Property Name	Property Value
INS17695850	PCB Footprint	DUMMY
	Insul Color	
	Distributor	DigiKey
	Manufacturer	TE Conn
	Stuff	
	Description	CONN SOCKET 20-24AWG GOLD CRIMP
	Distributor Number	A32523-ND
	Manufacturer Number	1-794610-2
	Type	Micro Mate-N-Lok
	Rating	
	Name	INS17695850
	Part Reference	CI111
	Reference	CI111
	Designator	
	Value	Contact 20-24
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\TEMPEST\MEED\UTILITY FILES\ORCAD LIBRARY\PLACEMENTSHAPES\
	Source Part	GenericContact.Normal
	Source Package	GenericContact
	Power Pins Visible	False
	Graphic	GenericContact.Normal

Object	Property Name	Property Value
INS17695955	PCB Footprint	
	Insul Color	
	Distributor	DigiKey
	Stuff	
	Manufacturer	Molex
	Manufacturer Number	0050579404
	Type	C-Grid SL
	Description	CONN HOUSING 4POS .100 W/LATCH
	Distributor Number	WM2902-ND
	Rating	
	Name	INS17695955
	Part Reference	P138
	Reference	P138
	Designator	
	Value	C-Grid SL 4
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	C:\ORCAD\ORCAD_16.2\TOOLS\CAPTURE\LIBRARY\CONNECTOR.OLB
	Source Part	CONN TRBLK 4.Normal
	Source Package	CONN TRBLK 4
	Power Pins Visible	False
	Graphic	CONN TRBLK 4.Normal

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N17695984
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N17695986
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	N17695988
	Order	2
	Is No Connect	True

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

Object	Property Name	Property Value
INS17695965	PCB Footprint	DUMMY
	Insul Color	
	Distributor	DigiKey
	Manufacturer	Molex
	Type	C-Grid SL
	Manufacturer Number	0016020103
	Distributor Number	WM2512-ND
	Description	CONN TERM FEMALE 22-24AWG GOLD
	Stuff	
	Rating	
	Name	INS17695965
	Part Reference	CI112
	Reference	CI112
	Designator	
	Value	Contact 22-24
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\TEMPEST\MEED\UTILITY FILES\ORCAD LIBRARY\PLACEMENTSHAPES\
	Source Part	GenericContact.Normal
	Source Package	GenericContact
	Power Pins Visible	False
	Graphic	GenericContact.Normal

Object	Property Name	Property Value
INS17695556	PCB Footprint	
	Stuff	MBARI Supplied
	Type	
	Distributor Number	
	Manufacturer	Applimotion
	Manufacturer Number	UTH-114-A-20-B-H-000
	Description	Thruster Motor
	Rating	
	Insul Color	
	Name	INS17695556
	Part Reference	M3
	Reference	M3
	Designator	
	Value	BLDC Motor
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	X:\900739.LRAUV\PROJECT.DRAWINGS\PROJECT.EE.DWGS\WIRING DIA
	Source Part	BLDC Motor_1.Normal
	Source Package	BLDC Motor_1
	Power Pins Visible	False
	Graphic	BLDC Motor_1.Normal

Object	Property Name	Property Value
Winding 3	Name	Winding 3
	Number	
	Swap Id	-1
	Type	Passive
	Net Name	N17695660
	Order	0
	Is No Connect	False

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

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

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

Object	Property Name	Property Value
Hall Power (+5V)	Name	Hall Power (+5V)
	Number	
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	4
	Is No Connect	False

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

Object	Property Name	Property Value
Winding 1	Name	Winding 1
	Number	
	Swap Id	-1
	Type	Passive
	Net Name	N17695629
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
Winding 2	Name	Winding 2
	Number	
	Swap Id	-1
	Type	Passive
	Net Name	N17695646
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS17695975	PCB Footprint	
	Gauge	3 x 24
	Distributor	Mouser
	Rating	
	Description	Multi-Conductor Cables 24AWG 3C SHIELD
	Type	3 x #24
	Manufacturer Number	9533
	Manufacturer	Belden
	Distributor Number	566-9533-500
	Stuff	
	Insul Color	
	Name	INS17695975
	Part Reference	W150
	Reference	W150
	Designator	
	Value	9533
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\TORNADO\PROJECTLIBRARY\900739.LRAUV\PROJECT.DOCUMENTS\E
	Source Part	WIRE_2.Normal
	Source Package	WIRE_2
	Power Pins Visible	False
	Graphic	WIRE_2.Normal

Object	Property Name	Property Value
INS17696888	PCB Footprint	UNASSIGNED
	Insul Color	
	Rating	
	PART_NUMBER	
	Description	CONN RING 16-22 AWG #8 PIDG
	Insulation Dia	
	ICA_PARTNUM	
	ICA_MFR_NAME	
	CLASS	IO
	Stud	
	Manufacturer	TE Conn
	Manufacturer Number	36890
	Distributor Number	A1061-ND
	Type	PIDG
	Stuff	
	Distributor	DigiKey
	Name	INS17696888
	Part Reference	RT64
	Reference	RT64
	Designator	
	Value	16-22 AWG #8 PIDG
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	RED_Ring_Terminal.Normal
	Source Package	RED_Ring_Terminal
	Power Pins Visible	False
	Graphic	RED_Ring_Terminal.Normal
	Gauge	
	DESC	Ring Terminal
	MAN	Equivalent
	PN	Equivalent

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N17695808
	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
INS17695992	PCB Footprint	UNASSIGNED
	Insul Color	
	Distributor	DigiKey
	Stuff	
	Type	PIDG
	Distributor Number	A1061-ND
	Manufacturer Number	31890
	Manufacturer	TE Conn
	Stud	
	CLASS	IO
	ICA_MFR_NAME	
	ICA_PARTNUM	
	Insulation Dia	0.140
	Description	CONN RING 16-22 AWG #8 PIDG
	PART_NUMBER	31890
	Rating	
	Name	INS17695992
	Part Reference	RT63
	Reference	RT63
	Designator	
	Value	16-22 AWG #8 PIDG
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Source Library	\\WATER\SCHEMATIC_SYMBOLS\CONNECTORS.OLB
	Source Part	RED_Ring_Terminal.Normal
	Source Package	RED_Ring_Terminal
	Power Pins Visible	False
	Graphic	RED_Ring_Terminal.Normal
	Gauge	
	DESC	Ring Terminal
	MAN	Equivalent
	PN	Equivalent

Object	Property Name	Property Value
1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N17696002
	Order	0
	Is No Connect	False

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