

Object	Property Name	Property Value
Line	Name	I33031
	Color	Default
	Start X-Coordinate	185
	Start Y-Coordinate	15
	End X-Coordinate	185
	End Y-Coordinate	120

Object	Property Name	Property Value
Line	Name	I85512
	Color	Default
	Start X-Coordinate	10
	Start Y-Coordinate	535
	End X-Coordinate	235
	End Y-Coordinate	535

Object	Property Name	Property Value
Line	Name	I90891
	Color	Default
	Start X-Coordinate	235
	Start Y-Coordinate	370
	End X-Coordinate	235
	End Y-Coordinate	430

Object	Property Name	Property Value
Line	Name	I90899
	Color	Default
	Start X-Coordinate	235
	Start Y-Coordinate	525
	End X-Coordinate	235
	End Y-Coordinate	535

Object	Property Name	Property Value
Line	Name	I122212
	Color	Default
	Start X-Coordinate	185
	Start Y-Coordinate	370
	End X-Coordinate	235
	End Y-Coordinate	370

Object	Property Name	Property Value
Line	Name	I122220
	Color	Default
	Start X-Coordinate	185
	Start Y-Coordinate	320
	End X-Coordinate	185
	End Y-Coordinate	370

Object	Property Name	Property Value
Ellipse	Name	I271778
	Color	Default
	Bounding Box Left	920
	Bounding Box Right	930
	Bounding Box Top	65
	Bounding Box Bottom	75
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271786
	Color	Default
	Bounding Box Left	920
	Bounding Box Right	930
	Bounding Box Top	85
	Bounding Box Bottom	95
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271794
	Color	Default
	Bounding Box Left	920
	Bounding Box Right	930
	Bounding Box Top	105
	Bounding Box Bottom	115
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271802
	Color	Default
	Bounding Box Left	940
	Bounding Box Right	950
	Bounding Box Top	65
	Bounding Box Bottom	75
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271810
	Color	Default
	Bounding Box Left	940
	Bounding Box Right	950
	Bounding Box Top	85
	Bounding Box Bottom	95
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271818
	Color	Default
	Bounding Box Left	940
	Bounding Box Right	950
	Bounding Box Top	105
	Bounding Box Bottom	115
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271952
	Color	Default
	Bounding Box Left	1045
	Bounding Box Right	1055
	Bounding Box Top	65
	Bounding Box Bottom	75
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271958
	Color	Default
	Bounding Box Left	1065
	Bounding Box Right	1075
	Bounding Box Top	65
	Bounding Box Bottom	75
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271964
	Color	Default
	Bounding Box Left	1045
	Bounding Box Right	1055
	Bounding Box Top	85
	Bounding Box Bottom	95
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271970
	Color	Default
	Bounding Box Left	1065
	Bounding Box Right	1075
	Bounding Box Top	85
	Bounding Box Bottom	95
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271976
	Color	Default
	Bounding Box Left	1045
	Bounding Box Right	1055
	Bounding Box Top	105
	Bounding Box Bottom	115
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I271982
	Color	Default
	Bounding Box Left	1065
	Bounding Box Right	1075
	Bounding Box Top	105
	Bounding Box Bottom	115
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I271984
	Color	Default
	Left	915
	Top	60
	Right	935
	Bottom	100
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I271992
	Color	Default
	Left	935
	Top	80
	Right	955
	Bottom	120
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I272000
	Color	Default
	Left	1040
	Top	80
	Right	1060
	Bottom	120
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I272008
	Color	Default
	Left	1060
	Top	60
	Right	1080
	Bottom	100
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I272016
	Color	Default
	Left	870
	Top	15
	Right	1360
	Bottom	130
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Line	Name	I272018
	Color	Default
	Start X-Coordinate	870
	Start Y-Coordinate	40
	End X-Coordinate	1360
	End Y-Coordinate	40

Object	Property Name	Property Value
Line	Name	I272020
	Color	Default
	Start X-Coordinate	995
	Start Y-Coordinate	40
	End X-Coordinate	995
	End Y-Coordinate	130

Object	Property Name	Property Value
Rectangle	Name	I272161
	Color	Default
	Left	1170
	Top	60
	Right	1190
	Bottom	100
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I272167
	Color	Default
	Left	1190
	Top	60
	Right	1210
	Bottom	100
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I272173
	Color	Default
	Bounding Box Left	1175
	Bounding Box Right	1185
	Bounding Box Top	65
	Bounding Box Bottom	75
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I272179
	Color	Default
	Bounding Box Left	1195
	Bounding Box Right	1205
	Bounding Box Top	65
	Bounding Box Bottom	75
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I272185
	Color	Default
	Bounding Box Left	1175
	Bounding Box Right	1185
	Bounding Box Top	85
	Bounding Box Bottom	95
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I272191
	Color	Default
	Bounding Box Left	1195
	Bounding Box Right	1205
	Bounding Box Top	85
	Bounding Box Bottom	95
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I272197
	Color	Default
	Bounding Box Left	1175
	Bounding Box Right	1185
	Bounding Box Top	105
	Bounding Box Bottom	115
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I272203
	Color	Default
	Bounding Box Left	1195
	Bounding Box Right	1205
	Bounding Box Top	105
	Bounding Box Bottom	115
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Line	Name	I272211
	Color	Default
	Start X-Coordinate	1120
	Start Y-Coordinate	40
	End X-Coordinate	1120
	End Y-Coordinate	130

Object	Property Name	Property Value
Line	Name	I275074
	Color	Default
	Start X-Coordinate	1260
	Start Y-Coordinate	40
	End X-Coordinate	1260
	End Y-Coordinate	130

Object	Property Name	Property Value
Rectangle	Name	I275152
	Color	Default
	Left	1290
	Top	80
	Right	1310
	Bottom	120
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	I275158
	Color	Default
	Left	1310
	Top	80
	Right	1330
	Bottom	120
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I275164
	Color	Default
	Bounding Box Left	1295
	Bounding Box Right	1305
	Bounding Box Top	65
	Bounding Box Bottom	75
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I275170
	Color	Default
	Bounding Box Left	1315
	Bounding Box Right	1325
	Bounding Box Top	65
	Bounding Box Bottom	75
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I275176
	Color	Default
	Bounding Box Left	1295
	Bounding Box Right	1305
	Bounding Box Top	85
	Bounding Box Bottom	95
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I275182
	Color	Default
	Bounding Box Left	1315
	Bounding Box Right	1325
	Bounding Box Top	85
	Bounding Box Bottom	95
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I275188
	Color	Default
	Bounding Box Left	1295
	Bounding Box Right	1305
	Bounding Box Top	105
	Bounding Box Bottom	115
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Ellipse	Name	I275194
	Color	Default
	Bounding Box Left	1315
	Bounding Box Right	1325
	Bounding Box Top	105
	Bounding Box Bottom	115
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch



Object	Property Name	Property Value
SEL = 0, A -> B0 SEL = 1, A -> B1	Name	I119746
	Color	Default
	Bounding Box Left	360
	Bounding Box Right	492
	Bounding Box Top	365
	Bounding Box Bottom	391
	Text	SEL = 0, A -> B0 SEL = 1, A -> B1
	Text Location X-Coordinate	360
	Text Location Y-Coordinate	365
	Font	Courier New

Object	Property Name	Property Value
Non-isolated side	Name	I139335
	Color	Default
	Bounding Box Left	10
	Bounding Box Right	185
	Bounding Box Top	30
	Bounding Box Bottom	46
	Text	Non-isolated side
	Text Location X-Coordinate	10
	Text Location Y-Coordinate	30
	Font	Courier New

Object	Property Name	Property Value
Isolated side	Name	I139343
	Color	Default
	Bounding Box Left	195
	Bounding Box Right	330
	Bounding Box Top	30
	Bounding Box Bottom	46
	Text	Isolated side
	Text Location X-Coordinate	195
	Text Location Y-Coordinate	30
	Font	Courier New

Object	Property Name	Property Value
Analog output jumper configuration	Name	I271762
	Color	Default
	Bounding Box Left	950
	Bounding Box Right	1295
	Bounding Box Top	20
	Bounding Box Bottom	36
	Text	Analog output jumper configuration
	Text Location X-Coordinate	950
	Text Location Y-Coordinate	20
	Font	Courier New

Object	Property Name	Property Value
1	Name	I271820
	Color	Default
	Bounding Box Left	905
	Bounding Box Right	917
	Bounding Box Top	65
	Bounding Box Bottom	78
	Text	1
	Text Location X-Coordinate	905
	Text Location Y-Coordinate	65
	Font	Courier New

Object	Property Name	Property Value
2	Name	I271838
	Color	Default
	Bounding Box Left	905
	Bounding Box Right	917
	Bounding Box Top	85
	Bounding Box Bottom	98
	Text	2
	Text Location X-Coordinate	905
	Text Location Y-Coordinate	85
	Font	Courier New

Object	Property Name	Property Value
3	Name	I271846
	Color	Default
	Bounding Box Left	905
	Bounding Box Right	917
	Bounding Box Top	105
	Bounding Box Bottom	118
	Text	3
	Text Location X-Coordinate	905
	Text Location Y-Coordinate	105
	Font	Courier New

Object	Property Name	Property Value
4	Name	I271854
	Color	Default
	Bounding Box Left	955
	Bounding Box Right	967
	Bounding Box Top	105
	Bounding Box Bottom	118
	Text	4
	Text Location X-Coordinate	955
	Text Location Y-Coordinate	105
	Font	Courier New

Object	Property Name	Property Value
5	Name	I271862
	Color	Default
	Bounding Box Left	955
	Bounding Box Right	967
	Bounding Box Top	85
	Bounding Box Bottom	98
	Text	5
	Text Location X-Coordinate	955
	Text Location Y-Coordinate	85
	Font	Courier New

Object	Property Name	Property Value
6	Name	I271870
	Color	Default
	Bounding Box Left	955
	Bounding Box Right	967
	Bounding Box Top	65
	Bounding Box Bottom	78
	Text	6
	Text Location X-Coordinate	955
	Text Location Y-Coordinate	65
	Font	Courier New

Object	Property Name	Property Value
Voltage output	Name	I271878
	Color	Default
	Bounding Box Left	880
	Bounding Box Right	996
	Bounding Box Top	45
	Bounding Box Bottom	58
	Text	Voltage output
	Text Location X-Coordinate	880
	Text Location Y-Coordinate	45
	Font	Courier New

Object	Property Name	Property Value
Current output	Name	I271910
	Color	Default
	Bounding Box Left	1005
	Bounding Box Right	1121
	Bounding Box Top	45
	Bounding Box Bottom	58
	Text	Current output
	Text Location X-Coordinate	1005
	Text Location Y-Coordinate	45
	Font	Courier New

Object	Property Name	Property Value
4	Name	I271916
	Color	Default
	Bounding Box Left	1080
	Bounding Box Right	1092
	Bounding Box Top	105
	Bounding Box Bottom	118
	Text	4
	Text Location X-Coordinate	1080
	Text Location Y-Coordinate	105
	Font	Courier New

Object	Property Name	Property Value
5	Name	I271922
	Color	Default
	Bounding Box Left	1080
	Bounding Box Right	1092
	Bounding Box Top	85
	Bounding Box Bottom	98
	Text	5
	Text Location X-Coordinate	1080
	Text Location Y-Coordinate	85
	Font	Courier New

Object	Property Name	Property Value
6	Name	I271928
	Color	Default
	Bounding Box Left	1080
	Bounding Box Right	1092
	Bounding Box Top	65
	Bounding Box Bottom	78
	Text	6
	Text Location X-Coordinate	1080
	Text Location Y-Coordinate	65
	Font	Courier New

Object	Property Name	Property Value
2	Name	I271934
	Color	Default
	Bounding Box Left	1030
	Bounding Box Right	1042
	Bounding Box Top	85
	Bounding Box Bottom	98
	Text	2
	Text Location X-Coordinate	1030
	Text Location Y-Coordinate	85
	Font	Courier New

Object	Property Name	Property Value
1	Name	I271940
	Color	Default
	Bounding Box Left	1030
	Bounding Box Right	1042
	Bounding Box Top	65
	Bounding Box Bottom	78
	Text	1
	Text Location X-Coordinate	1030
	Text Location Y-Coordinate	65
	Font	Courier New

Object	Property Name	Property Value
3	Name	I271946
	Color	Default
	Bounding Box Left	1030
	Bounding Box Right	1042
	Bounding Box Top	105
	Bounding Box Bottom	118
	Text	3
	Text Location X-Coordinate	1030
	Text Location Y-Coordinate	105
	Font	Courier New

Object	Property Name	Property Value
2	Name	I272119
	Color	Default
	Bounding Box Left	1160
	Bounding Box Right	1172
	Bounding Box Top	85
	Bounding Box Bottom	98
	Text	2
	Text Location X-Coordinate	1160
	Text Location Y-Coordinate	85
	Font	Courier New

Object	Property Name	Property Value
4	Name	I272125
	Color	Default
	Bounding Box Left	1215
	Bounding Box Right	1227
	Bounding Box Top	105
	Bounding Box Bottom	118
	Text	4
	Text Location X-Coordinate	1215
	Text Location Y-Coordinate	105
	Font	Courier New

Object	Property Name	Property Value
3	Name	I272131
	Color	Default
	Bounding Box Left	1160
	Bounding Box Right	1172
	Bounding Box Top	105
	Bounding Box Bottom	118
	Text	3
	Text Location X-Coordinate	1160
	Text Location Y-Coordinate	105
	Font	Courier New

Object	Property Name	Property Value
6	Name	I272137
	Color	Default
	Bounding Box Left	1215
	Bounding Box Right	1227
	Bounding Box Top	65
	Bounding Box Bottom	78
	Text	6
	Text Location X-Coordinate	1215
	Text Location Y-Coordinate	65
	Font	Courier New

Object	Property Name	Property Value
Both on (Note 1)	Name	I272143
	Color	Default
	Bounding Box Left	1135
	Bounding Box Right	1267
	Bounding Box Top	45
	Bounding Box Bottom	58
	Text	Both on (Note 1)
	Text Location X-Coordinate	1135
	Text Location Y-Coordinate	45
	Font	Courier New

Object	Property Name	Property Value
1	Name	I272149
	Color	Default
	Bounding Box Left	1160
	Bounding Box Right	1172
	Bounding Box Top	65
	Bounding Box Bottom	78
	Text	1
	Text Location X-Coordinate	1160
	Text Location Y-Coordinate	65
	Font	Courier New

Object	Property Name	Property Value
5	Name	I272155
	Color	Default
	Bounding Box Left	1215
	Bounding Box Right	1227
	Bounding Box Top	85
	Bounding Box Bottom	98
	Text	5
	Text Location X-Coordinate	1215
	Text Location Y-Coordinate	85
	Font	Courier New

Object	Property Name	Property Value
Note : Both output enabled simultaneously requires positive derating of the Vo output impedance and negative derating of the Io output impedance. See user manual for details on derating equations.	Name	I272219
	Color	Default
	Bounding Box Left	720
	Bounding Box Right	1124
	Bounding Box Top	895
	Bounding Box Bottom	947
	Text	Note : Both output enabled simultaneously requires positive derating of the Vo
	Text Location X-Coordinate	720
	Text Location Y-Coordinate	895
	Font	Courier New

Object	Property Name	Property Value
Both off	Name	I275082
	Color	Default
	Bounding Box Left	1280
	Bounding Box Right	1348
	Bounding Box Top	45
	Bounding Box Bottom	58
	Text	Both off
	Text Location X-Coordinate	1280
	Text Location Y-Coordinate	45
	Font	Courier New

Object	Property Name	Property Value
4	Name	I275116
	Color	Default
	Bounding Box Left	1335
	Bounding Box Right	1347
	Bounding Box Top	105
	Bounding Box Bottom	118
	Text	4
	Text Location X-Coordinate	1335
	Text Location Y-Coordinate	105
	Font	Courier New

Object	Property Name	Property Value
5	Name	I275122
	Color	Default
	Bounding Box Left	1335
	Bounding Box Right	1347
	Bounding Box Top	85
	Bounding Box Bottom	98
	Text	5
	Text Location X-Coordinate	1335
	Text Location Y-Coordinate	85
	Font	Courier New

Object	Property Name	Property Value
6	Name	I275128
	Color	Default
	Bounding Box Left	1335
	Bounding Box Right	1347
	Bounding Box Top	65
	Bounding Box Bottom	78
	Text	6
	Text Location X-Coordinate	1335
	Text Location Y-Coordinate	65
	Font	Courier New

Object	Property Name	Property Value
2	Name	I275134
	Color	Default
	Bounding Box Left	1280
	Bounding Box Right	1292
	Bounding Box Top	85
	Bounding Box Bottom	98
	Text	2
	Text Location X-Coordinate	1280
	Text Location Y-Coordinate	85
	Font	Courier New

Object	Property Name	Property Value
1	Name	I275140
	Color	Default
	Bounding Box Left	1280
	Bounding Box Right	1292
	Bounding Box Top	65
	Bounding Box Bottom	78
	Text	1
	Text Location X-Coordinate	1280
	Text Location Y-Coordinate	65
	Font	Courier New



Object	Property Name	Property Value
3	Name	I275146
	Color	Default
	Bounding Box Left	1280
	Bounding Box Right	1292
	Bounding Box Top	105
	Bounding Box Bottom	118
	Text	3
	Text Location X-Coordinate	1280
	Text Location Y-Coordinate	105
	Font	Courier New

Object	Property Name	Property Value
N02659 : N02659 (Wire ID = 2659 )	Color	Default
	Name	N02659

Object	Property Name	Property Value
N02659 : N02659 (Wire ID = 2661 )	Color	Default
	Name	N02659

Object	Property Name	Property Value
N02659 : N02659 (Wire ID = 2666 )	Color	Default
	Name	N02659

Object	Property Name	Property Value
N02659 : N02659 (Wire ID = 2674 )	Color	Default
	Name	N02659

Object	Property Name	Property Value
N02659 : N02659 (Wire ID = 2896 )	Color	Default
	Name	N02659

Object	Property Name	Property Value
N02929 : N02929 (Wire ID = 2929 )	Color	Default
	Name	N02929

Object	Property Name	Property Value
N02659 : N02659 (Wire ID = 3076 )	Color	Default
	Name	N02659

Object	Property Name	Property Value
N02659 : N02659 (Wire ID = 3078 )	Color	Default
	Name	N02659

Object	Property Name	Property Value
N02659 : N02659 (Wire ID = 3082 )	Color	Default
	Name	N02659

Object	Property Name	Property Value
N02929 : N02929 (Wire ID = 3093 )	Color	Default
	Name	N02929

Object	Property Name	Property Value
N02929 : N02929 (Wire ID = 3095 )	Color	Default
	Name	N02929

Object	Property Name	Property Value
N02929 : N02929 (Wire ID = 3119 )	Color	Default
	Name	N02929

Object	Property Name	Property Value
Vout : VOUT (Wire ID = 3168 )	Color	Default
	Name	VOUT

Object	Property Name	Property Value
Vout : VOUT (Wire ID = 3172 )	Color	Default
	Name	VOUT

Object	Property Name	Property Value
Vout : VOUT (Wire ID = 3177 )	Color	Default
	Name	VOUT

Object	Property Name	Property Value
N03627 : N03627 (Wire ID = 3627 )	Color	Default
	Name	N03627

Object	Property Name	Property Value
N03627 : N03627 (Wire ID = 3631 )	Color	Default
	Name	N03627

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 3739 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N03989 : N03989 (Wire ID = 3989 )	Color	Default
	Name	N03989

Object	Property Name	Property Value
N03989 : N03989 (Wire ID = 3993 )	Color	Default
	Name	N03989

Object	Property Name	Property Value
N03989 : N03989 (Wire ID = 3998 )	Color	Default
	Name	N03989

Object	Property Name	Property Value
N04068 : N04068 (Wire ID = 4068 )	Color	Default
	Name	N04068

Object	Property Name	Property Value
N04068 : N04068 (Wire ID = 4208 )	Color	Default
	Name	N04068

Object	Property Name	Property Value
N04068 : N04068 (Wire ID = 4210 )	Color	Default
	Name	N04068

Object	Property Name	Property Value
N04068 : N04068 (Wire ID = 4214 )	Color	Default
	Name	N04068

Object	Property Name	Property Value
N04246 : N04246 (Wire ID = 4246 )	Color	Default
	Name	N04246

Object	Property Name	Property Value
N04246 : N04246 (Wire ID = 4248 )	Color	Default
	Name	N04246

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 4271 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 4273 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N04068 : N04068 (Wire ID = 4396 )	Color	Default
	Name	N04068

Object	Property Name	Property Value
N04246 : N04246 (Wire ID = 4412 )	Color	Default
	Name	N04246

Object	Property Name	Property Value
N04246 : N04246 (Wire ID = 4414 )	Color	Default
	Name	N04246

Object	Property Name	Property Value
N04246 : N04246 (Wire ID = 4418 )	Color	Default
	Name	N04246

Object	Property Name	Property Value
Visc : VISC (Wire ID = 6398 )	Color	Default
	Name	VISC

Object	Property Name	Property Value
N04068 : N04068 (Wire ID = 7288 )	Color	Default
	Name	N04068

Object	Property Name	Property Value
N04068 : N04068 (Wire ID = 7725 )	Color	Default
	Name	N04068

Object	Property Name	Property Value
N08088 : N08088 (Wire ID = 8088 )	Color	Default
	Name	N08088

Object	Property Name	Property Value
N08088 : N08088 (Wire ID = 8092 )	Color	Default
	Name	N08088

Object	Property Name	Property Value
N08088 : N08088 (Wire ID = 8096 )	Color	Default
	Name	N08088

Object	Property Name	Property Value
N08142 : N08142 (Wire ID = 8142 )	Color	Default
	Name	N08142

Object	Property Name	Property Value
N08142 : N08142 (Wire ID = 8146 )	Color	Default
	Name	N08142

Object	Property Name	Property Value
N08142 : N08142 (Wire ID = 8150 )	Color	Default
	Name	N08142

Object	Property Name	Property Value
N08142 : N08142 (Wire ID = 8154 )	Color	Default
	Name	N08142

Object	Property Name	Property Value
N08158 : N08158 (Wire ID = 8158 )	Color	Default
	Name	N08158

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 8286 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N08158 : N08158 (Wire ID = 8290 )	Color	Default
	Name	N08158

Object	Property Name	Property Value
N08158 : N08158 (Wire ID = 8298 )	Color	Default
	Name	N08158

Object	Property Name	Property Value
N08158 : N08158 (Wire ID = 8302 )	Color	Default
	Name	N08158

Object	Property Name	Property Value
N08142 : N08142 (Wire ID = 8306 )	Color	Default
	Name	N08142

Object	Property Name	Property Value
N08142 : N08142 (Wire ID = 8310 )	Color	Default
	Name	N08142

Object	Property Name	Property Value
N08158 : N08158 (Wire ID = 8358 )	Color	Default
	Name	N08158

Object	Property Name	Property Value
N08142 : N08142 (Wire ID = 8362 )	Color	Default
	Name	N08142

Object	Property Name	Property Value
Visc : VISC (Wire ID = 8719 )	Color	Default
	Name	VISC

Object	Property Name	Property Value
N08933 : N08933 (Wire ID = 8933 )	Color	Default
	Name	N08933

Object	Property Name	Property Value
N08933 : N08933 (Wire ID = 9117 )	Color	Default
	Name	N08933

Object	Property Name	Property Value
N08933 : N08933 (Wire ID = 9121 )	Color	Default
	Name	N08933

Object	Property Name	Property Value
Iout : IOOUT (Wire ID = 9127 )	Color	Default
	Name	IOOUT

Object	Property Name	Property Value
Iout : IOUT (Wire ID = 9131 )	Color	Default
	Name	IOUT

Object	Property Name	Property Value
Iout : IOUT (Wire ID = 9133 )	Color	Default
	Name	IOUT

Object	Property Name	Property Value
Iout : IOUT (Wire ID = 9175 )	Color	Default
	Name	IOUT

Object	Property Name	Property Value
Iout : IOUT (Wire ID = 9177 )	Color	Default
	Name	IOUT

Object	Property Name	Property Value
Vout : VOUT (Wire ID = 9557 )	Color	Default
	Name	VOUT

Object	Property Name	Property Value
N02929 : N02929 (Wire ID = 10094 )	Color	Default
	Name	N02929

Object	Property Name	Property Value
Visc : VISC (Wire ID = 10274 )	Color	Default
	Name	VISC

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 11049 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
Vout : VOUT (Wire ID = 11093 )	Color	Default
	Name	VOUT

Object	Property Name	Property Value
Iout : IOUT (Wire ID = 11158 )	Color	Default
	Name	IOUT

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 18076 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 18080 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 18084 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 18088 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 18182 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 18186 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 18194 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 18198 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 18202 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 18206 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 18210 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 18294 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 18298 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 18302 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 18306 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 18310 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 19737 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 19741 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 19745 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 19749 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 19753 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 19843 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 19847 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 19855 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 19859 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 19863 )	Color	Default
	Name	GND_ISO



Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 19867 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 19871 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 19955 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 19959 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 19963 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 19967 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 19971 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 20260 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 20264 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 20268 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 20272 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 20276 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 20280 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 20366 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 20370 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 20378 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 20382 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 20386 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 20390 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 20394 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 20478 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 20482 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 20486 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 20490 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 20494 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 20498 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 25714 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 25718 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 25720 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 25734 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 25744 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 25750 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 25808 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 25812 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 26509 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N30227 : N30227 (Wire ID = 30227 )	Color	Default
	Name	N30227

Object	Property Name	Property Value
N30231 : N30231 (Wire ID = 30231 )	Color	Default
	Name	N30231

Object	Property Name	Property Value
N30231 : N30231 (Wire ID = 30235 )	Color	Default
	Name	N30231

Object	Property Name	Property Value
N30231 : N30231 (Wire ID = 30237 )	Color	Default
	Name	N30231

Object	Property Name	Property Value
N30243 : N30243 (Wire ID = 30243 )	Color	Default
	Name	N30243

Object	Property Name	Property Value
N30243 : N30243 (Wire ID = 30247 )	Color	Default
	Name	N30243

Object	Property Name	Property Value
N30243 : N30243 (Wire ID = 30249 )	Color	Default
	Name	N30243

Object	Property Name	Property Value
DAC_CSn : DAC_CS_N (Wire ID = 30357 )	Color	Default
	Name	DAC_CS_N

Object	Property Name	Property Value
SCK : SCK (Wire ID = 30403 )	Color	Default
	Name	SCK

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 30426 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
GND : GND (Wire ID = 30442 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 30453 )	Color	Default
	Name	GND

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 30594 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 30670 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 30676 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 30694 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 30700 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 30705 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 30709 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 30940 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 30969 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 31441 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 31445 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 31450 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 31458 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 31462 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 31470 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 31474 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 31484 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 31486 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 31503 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 31505 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 31514 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 31516 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 31527 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 32424 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 32426 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 32461 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 32487 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 32491 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 32602 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 32606 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 32611 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 32617 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N36112 : N36112 (Wire ID = 36112 )	Color	Default
	Name	N36112

Object	Property Name	Property Value
N36112 : N36112 (Wire ID = 36116 )	Color	Default
	Name	N36112

Object	Property Name	Property Value
N36112 : N36112 (Wire ID = 36118 )	Color	Default
	Name	N36112

Object	Property Name	Property Value
N36112 : N36112 (Wire ID = 36124 )	Color	Default
	Name	N36112

Object	Property Name	Property Value
N36135 : N36135 (Wire ID = 36135 )	Color	Default
	Name	N36135

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36207 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36211 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36213 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36221 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36223 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 36325 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36578 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36582 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36586 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36590 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36594 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36598 )	Color	Default
	Name	5VISO



Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 36602 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 36726 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 36730 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 36734 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 36738 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 36742 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 36750 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N37664 : N37664 (Wire ID = 37664 )	Color	Default
	Name	N37664

Object	Property Name	Property Value
N37664 : N37664 (Wire ID = 37666 )	Color	Default
	Name	N37664

Object	Property Name	Property Value
N37664 : N37664 (Wire ID = 38206 )	Color	Default
	Name	N37664

Object	Property Name	Property Value
N37664 : N37664 (Wire ID = 38212 )	Color	Default
	Name	N37664

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 38221 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 38225 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 38227 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 38233 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 38235 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 39125 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 39129 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 39131 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 39323 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 39341 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 39343 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 39361 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40838 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40842 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
N40846 : N40846 (Wire ID = 40846 )	Color	Default
	Name	N40846

Object	Property Name	Property Value
N40846 : N40846 (Wire ID = 40850 )	Color	Default
	Name	N40846

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40862 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40866 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40870 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40874 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40878 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40882 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40886 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40890 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 40894 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 41018 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 41022 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 41026 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 41030 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 41034 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 41038 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 41042 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 41046 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N40846 : N40846 (Wire ID = 41209 )	Color	Default
	Name	N40846

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 41340 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
N41384 : N41384 (Wire ID = 41384 )	Color	Default
	Name	N41384

Object	Property Name	Property Value
N41384 : N41384 (Wire ID = 41388 )	Color	Default
	Name	N41384

Object	Property Name	Property Value
N41384 : N41384 (Wire ID = 41392 )	Color	Default
	Name	N41384

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 41396 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 41400 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
N41384 : N41384 (Wire ID = 41444 )	Color	Default
	Name	N41384

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 41448 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
N36135 : N36135 (Wire ID = 42732 )	Color	Default
	Name	N36135

Object	Property Name	Property Value
N36135 : N36135 (Wire ID = 42734 )	Color	Default
	Name	N36135

Object	Property Name	Property Value
N36135 : N36135 (Wire ID = 42738 )	Color	Default
	Name	N36135

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 42970 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N40846 : N40846 (Wire ID = 43114 )	Color	Default
	Name	N40846

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 43628 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 43983 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 43991 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 43995 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 44079 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 44083 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 44087 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 44091 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 44264 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
5V0 : 5V0 (Wire ID = 46504 )	Color	Default
	Name	5V0

Object	Property Name	Property Value
5V0 : 5V0 (Wire ID = 46508 )	Color	Default
	Name	5V0

Object	Property Name	Property Value
5V0 : 5V0 (Wire ID = 46512 )	Color	Default
	Name	5V0

Object	Property Name	Property Value
5V0 : 5V0 (Wire ID = 46516 )	Color	Default
	Name	5V0

Object	Property Name	Property Value
5V0 : 5V0 (Wire ID = 46520 )	Color	Default
	Name	5V0

Object	Property Name	Property Value
5V0 : 5V0 (Wire ID = 46524 )	Color	Default
	Name	5V0

Object	Property Name	Property Value
GND : GND (Wire ID = 46652 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 46656 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 46660 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 46664 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 46668 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 46672 )	Color	Default
	Name	GND

Object	Property Name	Property Value
5V0 : 5V0 (Wire ID = 51230 )	Color	Default
	Name	5V0

Object	Property Name	Property Value
GND : GND (Wire ID = 51299 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 51303 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 51305 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 51311 )	Color	Default
	Name	GND

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 54803 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
N37664 : N37664 (Wire ID = 55477 )	Color	Default
	Name	N37664

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 55723 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 55725 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N41384 : N41384 (Wire ID = 56724 )	Color	Default
	Name	N41384

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 56958 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 56960 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 59586 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 59590 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 59594 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 59598 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 59602 )	Color	Default
	Name	5VISO



Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 59606 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 59610 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 59734 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 59738 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 59742 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 59750 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 59754 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 59758 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 60072 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 60074 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N03627 : N03627 (Wire ID = 61895 )	Color	Default
	Name	N03627

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 62198 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 62200 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N64354 : N64354 (Wire ID = 64354 )	Color	Default
	Name	N64354

Object	Property Name	Property Value
N64354 : N64354 (Wire ID = 64358 )	Color	Default
	Name	N64354

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 77263 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 77347 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 84869 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 85416 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
Vout : VOUT (Wire ID = 91846 )	Color	Default
	Name	VOUT

Object	Property Name	Property Value
Vout : VOUT (Wire ID = 92095 )	Color	Default
	Name	VOUT

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 94115 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 116141 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 116145 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 116476 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 116629 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
Vdac_filt : VDAC_FILT (Wire ID = 118132 )	Color	Default
	Name	VDAC_FILT

Object	Property Name	Property Value
Voe : VOE (Wire ID = 118601 )	Color	Default
	Name	VOE

Object	Property Name	Property Value
Voe : VOE (Wire ID = 118605 )	Color	Default
	Name	VOE

Object	Property Name	Property Value
2V048 : 2V048 (Wire ID = 119212 )	Color	Default
	Name	2V048

Object	Property Name	Property Value
2V048 : 2V048 (Wire ID = 119222 )	Color	Default
	Name	2V048

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 119311 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
2V048 : 2V048 (Wire ID = 122286 )	Color	Default
	Name	2V048

Object	Property Name	Property Value
N64354 : N64354 (Wire ID = 122523 )	Color	Default
	Name	N64354

Object	Property Name	Property Value
Vamp : VAMP (Wire ID = 139907 )	Color	Default
	Name	VAMP

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 164070 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
Vout : VOUT (Wire ID = 164322 )	Color	Default
	Name	VOUT

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 167629 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 167818 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 168014 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 168209 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 168407 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
Vdac : VDAC (Wire ID = 176344 )	Color	Default
	Name	VDAC

Object	Property Name	Property Value
Vdac_filt : VDAC_FILT (Wire ID = 176349 )	Color	Default
	Name	VDAC_FILT

Object	Property Name	Property Value
Vdac : VDAC (Wire ID = 176374 )	Color	Default
	Name	VDAC

Object	Property Name	Property Value
Vdac : VDAC (Wire ID = 176389 )	Color	Default
	Name	VDAC

Object	Property Name	Property Value
Voe : VOE (Wire ID = 176407 )	Color	Default
	Name	VOE

Object	Property Name	Property Value
Voe : VOE (Wire ID = 176423 )	Color	Default
	Name	VOE

Object	Property Name	Property Value
GND : GND (Wire ID = 176471 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 176930 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 179459 )	Color	Default
	Name	GND

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 179463 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 179505 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
GND : GND (Wire ID = 179553 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 179557 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 179928 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 179930 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 181381 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 181430 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 181818 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 181872 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 199581 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 199896 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
Vdac_filt : VDAC_FILT (Wire ID = 200066 )	Color	Default
	Name	VDAC_FILT

Object	Property Name	Property Value
Vdac_filt : VDAC_FILT (Wire ID = 200070 )	Color	Default
	Name	VDAC_FILT

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 200292 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 200294 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 207354 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 209749 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
N03627 : N03627 (Wire ID = 211612 )	Color	Default
	Name	N03627

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 239562 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 242472 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
OUT_EN : OUT_EN (Wire ID = 242749 )	Color	Default
	Name	OUT_EN

Object	Property Name	Property Value
DAC_MOSI : DAC_MOSI (Wire ID = 242821 )	Color	Default
	Name	DAC_MOSI

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 242970 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
GND : GND (Wire ID = 243464 )	Color	Default
	Name	GND

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 243649 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 244058 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
2V048 : 2V048 (Wire ID = 244235 )	Color	Default
	Name	2V048

Object	Property Name	Property Value
2V048 : 2V048 (Wire ID = 244239 )	Color	Default
	Name	2V048

Object	Property Name	Property Value
2V048 : 2V048 (Wire ID = 245288 )	Color	Default
	Name	2V048

Object	Property Name	Property Value
2V048 : 2V048 (Wire ID = 245498 )	Color	Default
	Name	2V048

Object	Property Name	Property Value
N03627 : N03627 (Wire ID = 250688 )	Color	Default
	Name	N03627

Object	Property Name	Property Value
N03627 : N03627 (Wire ID = 250692 )	Color	Default
	Name	N03627

Object	Property Name	Property Value
N253978 : N253978 (Wire ID = 253978 )	Color	Default
	Name	N253978

Object	Property Name	Property Value
N253978 : N253978 (Wire ID = 253982 )	Color	Default
	Name	N253978

Object	Property Name	Property Value
N253978 : N253978 (Wire ID = 253984 )	Color	Default
	Name	N253978

Object	Property Name	Property Value
N253978 : N253978 (Wire ID = 253990 )	Color	Default
	Name	N253978

Object	Property Name	Property Value
N253978 : N253978 (Wire ID = 253992 )	Color	Default
	Name	N253978

Object	Property Name	Property Value
N02929 : N02929 (Wire ID = 255010 )	Color	Default
	Name	N02929

Object	Property Name	Property Value
N02929 : N02929 (Wire ID = 255030 )	Color	Default
	Name	N02929

Object	Property Name	Property Value
N253978 : N253978 (Wire ID = 255272 )	Color	Default
	Name	N253978

Object	Property Name	Property Value
4V096iso : 4V096ISO (Wire ID = 258346 )	Color	Default
	Name	4V096ISO

Object	Property Name	Property Value
Visc : VISC (Wire ID = 261469 )	Color	Default
	Name	VISC

Object	Property Name	Property Value
N02929 : N02929 (Wire ID = 261483 )	Color	Default
	Name	N02929

Object	Property Name	Property Value
Vamp : VAMP (Wire ID = 261563 )	Color	Default
	Name	VAMP



Object	Property Name	Property Value
N253978 : N253978 (Wire ID = 262506 )	Color	Default
	Name	N253978

Object	Property Name	Property Value
Visc : VISC (Wire ID = 262595 )	Color	Default
	Name	VISC

Object	Property Name	Property Value
Visc : VISC (Wire ID = 262597 )	Color	Default
	Name	VISC

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 262647 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 263038 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 263575 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 263577 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
Vamp : VAMP (Wire ID = 272071 )	Color	Default
	Name	VAMP

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 278298 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 278375 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 278556 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
5Viso : 5VISO (Wire ID = 278739 )	Color	Default
	Name	5VISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 287783 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 287842 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 288025 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 288214 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 288552 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 288889 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 288987 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
19V7iso : 19V7ISO (Wire ID = 288989 )	Color	Default
	Name	19V7ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 289103 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 289105 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 289601 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 289665 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 289854 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 290049 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 290165 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
-19V3iso : -19V3ISO (Wire ID = 290743 )	Color	Default
	Name	-19V3ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 290798 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO : GND_ISO (Wire ID = 290800 )	Color	Default
	Name	GND_ISO

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
3V3	Name	3V3
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
4V096iso	Name	4V096iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
5Viso	Name	5Viso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
5Viso	Name	5Viso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
-19V3iso	Name	-19V3iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
4V096iso	Name	4V096iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
4V096iso	Name	4V096iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
4V096iso	Name	4V096iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
5Viso	Name	5Viso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
19V7iso	Name	19V7iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
5V0	Name	5V0
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
19V7iso	Name	19V7iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
-19V3iso	Name	-19V3iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
5Viso	Name	5Viso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
-19V3iso	Name	-19V3iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
19V7iso	Name	19V7iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
19V7iso	Name	19V7iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
-19V3iso	Name	-19V3iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
4V096iso	Name	4V096iso
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default



Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
3V3	Name	3V3
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
GND_ISO	Name	GND_ISO
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND_SIGNAL
	Color	Default

Object	Property Name	Property Value
SCK : SCK	Name	SCK
	Net ID	349716

Object	Property Name	Property Value
DAC_MOSI : DAC_MOSI	Name	DAC_MOSI
	Net ID	349736

Object	Property Name	Property Value
DAC_CSn : DAC_CSn	Name	DAC_CSn
	Net ID	349723

Object	Property Name	Property Value
OUT_EN : OUT_EN	Name	OUT_EN
	Net ID	349738

Object	Property Name	Property Value
TitleBlockIntellitrol : TitleBlockIntellitrol	Path Name	TitleBlockIntellitrol
	Schematic Path	/
	ID	78
	Doc	
	RevCode	0B
	Cage Code	
	Title	V-I DAC Implementation
	OrgName	Jean-Francois Bilodeau, B.E.Eng
	OrgAddr1	CPI / CEP #6022173
	OrgAddr2	925 Chemin ste-foy apt4, QC, CANADA
	OrgAddr3	
	OrgAddr4	
	Page Number	1
	Page Count	2
	Name	TitleBlockIntellitrol
	Design Name	ISOLATED_V_I_DAC
	Design File Name	C:\USERS\JEANF\DESKTOP\GIT\CLICKBOARD\ISOLATED_V-I_DAC\HARD
	Design Create Date	Sunday, June 27, 2021
	Design Modify Date	Friday, November 26, 2021
	Design Create Time	22:07:28
	Design Modify Time	21:09:59
	Schematic Name	SCHEMATIC1
	Schematic Create Date	Sunday, June 27, 2021
	Schematic Modify Date	Friday, November 26, 2021
	Schematic Create Time	22:07:30
	Schematic Modify Time	21:10:00
	Schematic Page Count	2
	Schematic Page Number	1
	Page Size	B
	Page Create Date	Monday, June 28, 2021
	Page Modify Date	Friday, November 26, 2021
	Page Create Time	18:35:16
	Page Modify Time	21:09:59
	Color	Default
	Source Library	C:\USERS\JEANF\GOOGLE DRIVE\ORCAD16LIB\PIECE\PART.OLB
	Source Symbol	TitleBlockIntellitrol
	Page Name	DAC V/I OUTPUT

Object	Property Name	Property Value
INS61807 : R9	Name	INS61807
	ID	701
	Reference	R9
	Designator	
	Part Reference	R9
	Value	10K0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	2019-RN73H1JTDD1002B25CT-ND
	Description	RES 10K OHM 0.1% 1/10W 0603
	Distributor part number	2019-RN73H1JTDD1002B25CT-ND
	Package	0603
	Tolerance	0.1%
	Power rating	1/16W
	Voltage rating	75V
	Manufacturer part number	RN73H1JTDD1002B25
	Manufacturer	KOA Speer Electronics, Inc.
	digikey_id	{distributorPn:2019-RN73H1JTDD1002B25CT-ND,mfr:KOA Speer Electronics
	PCB Footprint	0603_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R9/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N03627
	Order	0
	Is No Connect	False

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

Object	Property Name	Property Value
INS18100 : C27	Name	INS18100
	ID	395
	Reference	C27
	Designator	
	Part Reference	C27
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digkey_id	{distributorPn:490-10700-1-ND,mfr:Murata Electronics,mpn:GRM155R71H104KE14D}
	Digi-Key PN	490-10700-1-ND
	Description	CAP CER 0.1UF 50V X7R 0402
	Package	0402
	Distributor part number	490-10700-1-ND
	Manufacturer	Murata Electronics
	Voltage rating	50V
	Tolerance	10%
	Manufacturer PN	
	Manufacturer part number	GRM155R71H104KE14D
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C27/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C27/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS14972 : R13	Name	INS14972
	ID	336
	Reference	R13
	Designator	
	Part Reference	R13
	Value	453K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	P453KDACT-ND
	Description	RES 453K OHM 0.1% 1/8W 0805
	Voltage rating	100V
	Manufacturer	Panasonic Electronic Components
	Manufacturer part number	ERA-6AEB4533V
	Tolerance	0.1%
	Power rating	1/8W
	Package	0805
	Distributor part number	P453KDACT-ND
	digikey_id	{distributorPn:P453KDACT-ND,mfr:Panasonic Electronic Components,mpn:ERA-6AEB4533V}
	PCB Footprint	0805_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

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

Object	Property Name	Property Value
2 : R13/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N08158
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS55381 : R1	Name	INS55381
	ID	683
	Reference	R1
	Designator	
	Part Reference	R1
	Value	1K96
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_res_ipc
	digkey_id	{distributorPn:TNP1.96KDACT-ND,mfr:Vishay Dale,mgr:TNPW04021K96BEE
	Manufacturer part number	TNPW04021K96BEE
	Manufacturer	Vishay Dale
	Power rating	1/16W
	Tolerance	0.1%
	Package	0402
	Voltage rating	50V
	Distributor part number	TNP1.96KDACT-ND
	Description	RES 1.96K OHM 0.1% 1/10W 0402
	Digi-Key PN	TNP1.96KDACT-ND
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R1/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N37664
	Order	0
	Is No Connect	False

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

Object	Property Name	Property Value
INS2477 : R6	Name	INS2477
	ID	138
	Reference	R6
	Designator	
	Part Reference	R6
	Value	5K90
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	P5.9KDCCT-ND
	Description	RES SMD 5.9K OHM 0.1% 1/16W 0402
	Manufacturer	Panasonic Electronic Components
	Manufacturer part number	ERA-2AEB5901X
	Voltage rating	50V
	Power rating	1/16W
	Tolerance	0.1%
	Package	0402
	Distributor part number	P5.9KDCCT-ND
	digkey_id	{distributorPn:P5.9KDCCT-ND,mfr:Panasonic Electronic Components,mpn:ERA-2AEB5901X}
	PCB Footprint	0402_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R6/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R6/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N02659
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS162289 : TP12	Name	INS162289
	ID	937
	Reference	TP12
	Designator	
	Part Reference	TP12
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil



Object	Property Name	Property Value
Test : TP12/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS176451 : TP35	Name	INS176451
	ID	990
	Reference	TP35
	Designator	
	Part Reference	TP35
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP35/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS270878 : J3	Name	INS270878
	ID	1185
	Reference	J3
	Designator	
	Part Reference	J3
	Value	Header 2x3 1,27mm
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:609-3693-1-ND,mfr:Amphenol ICC (FCI),mpn:20021121-00006C4LF}
	Digi-Key PN	609-3693-1-ND
	Description	CONN HEADER SMD 6POS 1.27MM
	Manufacturer	Amphenol ICC (FCI)
	PCB Footprint	header2x3_1_27mm_post
	Distributor	Digi-Key
	Distributor part number	609-3693-1-ND
	Manufacturer part number	20021121-00006C4LF
	Pitch	1.27mm

Object	Property Name	Property Value
1 : J3/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N02929
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : J3/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	Vamp
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3 : J3/3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
4 : J3/4	Name	4
	Number	4
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
5 : J3/5	Name	5
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	Visc
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
6 : J3/6	Name	6
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	N253978
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
INS20396 : C41	Name	INS20396
	ID	424
	Reference	C41
	Designator	
	Part Reference	C41
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	{distributorPn:490-10700-1-ND,mfr:Murata Electronics,mpn:GRM155R71H104KE14D
	Digi-Key PN	490-10700-1-ND
	Description	CAP CER 0.1UF 50V X7R 0402
	Package	0402
	Manufacturer part number	GRM155R71H104KE14D
	Manufacturer PN	
	Voltage rating	50V
	Tolerance	10%
	Manufacturer	Murata Electronics
	Distributor part number	490-10700-1-ND
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C41/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C41/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS269475 : TP23	Name	INS269475
	ID	1183
	Reference	TP23
	Designator	
	Part Reference	TP23
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP23/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Visc
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS19801 : C36	Name	INS19801
	ID	409
	Reference	C36
	Designator	
	Part Reference	C36
	Value	10nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	(distributorPn:490-4762-1-ND,mfr:Murata Electronics,mnpn:GCM155R71H103K)
	Digi-Key PN	490-4762-1-ND
	Description	CAP CER 10000PF 50V X7R 0402
	Package	0402
	Distributor part number	490-4762-1-ND
	Tolerance	10%
	Voltage rating	50V
	Manufacturer	Murata Electronics
	Manufacturer PN	
	Manufacturer part number	GCM155R71H103KA55D
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C36/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C36/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS168189 : TP33	Name	INS168189
	ID	981
	Reference	TP33
	Designator	
	Part Reference	TP33
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP33/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS167798 : TP31	Name	INS167798
	ID	977
	Reference	TP31
	Designator	
	Part Reference	TP31
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP31/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS176910 : TP36	Name	INS176910
	ID	993
	Reference	TP36
	Designator	
	Part Reference	TP36
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP36/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS46610 : C7	Name	INS46610
	ID	667
	Reference	C7
	Designator	
	Part Reference	C7
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Distributor part number	490-10700-1-ND
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digkey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mgn:CGA2B1X7R1C104K050BC}
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	

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

Object	Property Name	Property Value
2 : C7/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5V0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS161882 : TP6	Name	INS161882
	ID	925
	Reference	TP6
	Designator	
	Part Reference	TP6
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP6/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5V0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS283895 : ITEM2	Name	INS283895
	ID	1198
	Reference	ITEM2
	Designator	
	Part Reference	ITEM2
	Value	JUMPER 1.27mm
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	
	Description	CONN JUMPER SHORTING 1.27MM GOLD
	Digi-Key PN	S9346-ND
	digikey_id	{distributorPn:S9346-ND,mfr:Sullins Connector Solutions,mpn:NPB02SVFN-R
	Manufacturer	Sullins Connector Solutions
	Manufacturer part number	NPB02SVFN-RC
	Distributor	Digi-key
	Distributor part number	S9346-ND
	Pitch	1.27mm

Object	Property Name	Property Value
INS10988 : J1	Name	INS10988
	ID	293
	Reference	J1
	Designator	
	Part Reference	J1
	Value	HEADER 3
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	Phoenix Contact
	Manufacturer part number	1935174
	Distributor	Digi-Key
	Package	5mm x 3pos
	Distributor part number	277-1578-ND
	Description	TERM BLK 3POS SIDE ENTRY 5MM PCB
	Digi-Key PN	277-1578-ND
	digkey_id	{distributorPn:277-1578-ND,mfr:Phoenix Contact,mpn:1935174,ul:{uid:b1504b
	PCB Footprint	phoenix3

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

Object	Property Name	Property Value
2 : J1/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3 : J1/3	Name	3
	Number	3
	Swap Id	-1
	Type	Passive
	Net Name	lout
	Order	2
	Is No Connect	False



Object	Property Name	Property Value
INS167459 : TP30	Name	INS167459
	ID	975
	Reference	TP30
	Designator	
	Part Reference	TP30
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP30/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS7579 : R19	Name	INS7579
	ID	247
	Reference	R19
	Designator	
	Part Reference	R19
	Value	15R0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	2019-RN73H1JTDD15R0B25CT-ND
	Description	RES 15 OHM 0.1% 1/10W 0603
	Voltage rating	75V
	Manufacturer	KOA Speer Electronics, Inc.
	Power rating	1/10W
	Tolerance	0.1%
	Manufacturer part number	RN73H1JTDD15R0B25
	Package	0603
	Distributor part number	2019-RN73H1JTDD15R0B25CT-ND
	digikey_id	{distributorPn:2019-RN73H1JTDD15R0B25CT-ND,mfr:KOA Speer Electronics
	PCB Footprint	0603_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R19/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N08933
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R19/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N04068
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS332090 : U7	Name	INS332090
	ID	1342
	Reference	U7
	Designator	A
	Part Reference	U7A
	Value	TLV9351IDBVR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digkey_id	{distributorPn:296-TLV9351IDBVRCT-ND,mfr:Texas Instruments,mpr:TLV9351IDBVRCT-ND}
	Digi-Key PN	296-TLV9351IDBVRCT-ND
	Description	OPAMP
	Manufacturer	Texas Instruments
	PCB Footprint	SOT23-5
	Package	SOT23-5
	Manufacturer part number	TLV9351IDBVR
	Distributor part number	296-TLV9351IDBVRTR-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
IN+ : U7/IN+	Name	IN+
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	Voe
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U7/IN-	Name	IN-
	Number	4
	Swap Id	-1
	Type	Input
	Net Name	N02659
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U7/OUT	Name	OUT
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	N02929
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS2547 : R7	Name	INS2547
	ID	141
	Reference	R7
	Designator	
	Part Reference	R7
	Value	8K450
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer	Panasonic Electronic Components
	Manufacturer part number	ERA-2AEB8451X
	Tolerance	0.1%
	Power rating	1/16W
	Package	0402
	Distributor part number	P8.45KDCCT-ND
	Voltage rating	50V
	Description	RES SMD 8.45KOHM 0.1% 1/16W 0402
	Digi-Key PN	P8.45KDCCT-ND
	digikey_id	{distributorPn:P8.45KDCCT-ND,mfr:Panasonic Electronic Components,mpn:ERA-2AEB8451X}
	PCB Footprint	0402_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

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

Object	Property Name	Property Value
2 : R7/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N02659
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS15076 : R14	Name	INS15076
	ID	339
	Reference	R14
	Designator	
	Part Reference	R14
	Value	453K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	P453KDACT-ND
	Description	RES 453K OHM 0.1% 1/8W 0805
	Voltage rating	100V
	Manufacturer	Panasonic Electronic Components
	Manufacturer part number	ERA-6AEB4533V
	Tolerance	0.1%
	Power rating	1/8W
	Package	0805
	Distributor part number	P453KDACT-ND
	digikey_id	{distributorPn:P453KDACT-ND,mfr:Panasonic Electronic Components,mpn:ERA-6AEB4533V}
	PCB Footprint	0805_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

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

Object	Property Name	Property Value
2 : R14/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N08088
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS332149 : U7	Name	INS332149
	ID	1347
	Reference	U7
	Designator	B
	Part Reference	U7B
	Value	TLV9351IDBVR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:296-TLV9351IDBVRCT-ND,mfr:Texas Instruments,mpn:TLV9351IDBVRCT-ND}
	Digi-Key PN	296-TLV9351IDBVRCT-ND
	Description	OPAMP
	Manufacturer	Texas Instruments
	PCB Footprint	SOT23-5
	Package	SOT23-5
	Manufacturer part number	TLV9351IDBVR
	Distributor part number	296-TLV9351IDBVRTR-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
V- : U7/V-	Name	V-
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
V+ : U7/V+	Name	V+
	Number	5
	Swap Id	-1
	Type	Power
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS16232 : R20	Name	INS16232
	ID	354
	Reference	R20
	Designator	
	Part Reference	R20
	Value	15R0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	2019-RN73H1JTDD15R0B25CT-ND
	Description	RES 15 OHM 0.1% 1/10W 0603
	Voltage rating	75V
	Distributor part number	2019-RN73H1JTDD15R0B25CT-ND
	Package	0603
	Manufacturer part number	RN73H1JTDD15R0B25
	Tolerance	0.1%
	Power rating	1/10W
	Manufacturer	KOA Speer Electronics, Inc.
	digikey_id	{distributorPn:2019-RN73H1JTDD15R0B25CT-ND,mfr:KOA Speer Electronics
	PCB Footprint	0603_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R20/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N08142
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R20/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N08933
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS25634 : C16	Name	INS25634
	ID	438
	Reference	C16
	Designator	
	Part Reference	C16
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mgn:CGA2B1X7R1C104K050BC}
	Digi-Key PN	445-5613-1-ND
	Description	CAP CER 0.1UF 16V X7R 0402
	Package	0402
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Distributor part number	490-10700-1-ND
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C16/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C16/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS288947 : C50	Name	INS288947
	ID	1203
	Reference	C50
	Designator	
	Part Reference	C50
	Value	1nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	{distributorPn:445-1256-1-ND,mfr:TDK Corporation,mgrn:C1005X7R1H102K050BA}
	Digi-Key PN	445-1256-1-ND
	Description	CAP CER 1000PF 50V X7R 0402
	Package	0402
	Manufacturer part number	C1005X7R1H102K050BA
	Manufacturer PN	
	Voltage rating	50V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Distributor part number	
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C50/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C50/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False



Object	Property Name	Property Value
INS289559 : C51	Name	INS289559
	ID	1206
	Reference	C51
	Designator	
	Part Reference	C51
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:490-12457-1-ND,mfr:Murata Electronics,mpn:GRT31CR61H106
	Digi-Key PN	490-12457-1-ND
	Description	CAP CER 10UF 50V X5R 1206
	Package	1206
	Manufacturer part number	GRT31CR61H106ME01L
	Manufacturer	Murata Electronics
	Voltage rating	50V
	Tolerance	10%
	Manufacturer PN	
	Distributor part number	490-12457-1-ND
	PCB Footprint	1206_cap
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C51/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C51/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS15961 : C39	Name	INS15961
	ID	351
	Reference	C39
	Designator	
	Part Reference	C39
	Value	100pF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:490-10669-1-ND,mfr:Murata Electronics,mpn:GCM1555C1H101JA16D}
	Digi-Key PN	490-10669-1-ND
	Description	CAP CER 100PF 50V C0G/NP0 0402
	Manufacturer	Murata Electronics
	Voltage rating	50V
	Tolerance	10%
	Manufacturer part number	GCM1555C1H101JA16D
	Package	0402
	Distributor part number	490-10669-1-ND
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	
	Manufacturer PN	

Object	Property Name	Property Value
1 : C39/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N08158
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C39/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N08142
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS328861 : U9	Name	INS328861
	ID	1332
	Reference	U9
	Designator	B
	Part Reference	U9B
	Value	TLV9352IDR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:296-TLV9352IDRCT-ND,mfr:Texas Instruments,mpn:TLV9352IDRCT-ND}
	Digi-Key PN	296-TLV9352IDRCT-ND
	Description	IC OPAMP GP 2 CIRCUIT 8SOIC
	Manufacturer	Texas Instruments
	PCB Footprint	SOIC-8
	Package	SOIC-8
	Manufacturer part number	TLV9352IDR
	Distributor part number	296-TLV9352IDRCT-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
IN+ : U9/IN+	Name	IN+
	Number	5
	Swap Id	-1
	Type	Input
	Net Name	N08088
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U9/IN-	Name	IN-
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N08158
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U9/OUT	Name	OUT
	Number	7
	Swap Id	-1
	Type	Power
	Net Name	N08142
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS36684 : C9	Name	INS36684
	ID	574
	Reference	C9
	Designator	
	Part Reference	C9
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	Distributor part number	490-10700-1-ND
	Manufacturer	TDK Corporation
	Tolerance	10%
	Voltage rating	16V
	Manufacturer PN	
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digkey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mfrn:CGA2B1X7R1C104K
	Distributor	Digi-Key
	Distributor PN	

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

Object	Property Name	Property Value
2 : C9/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS46291 : U2	Name	INS46291
	ID	655
	Reference	U2
	Designator	
	Part Reference	U2
	Value	DCPA10505P-U/700
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:296-51051-1-ND,mfr:Texas Instruments,mpn:DCPA10505P-U/700}
	Digi-Key PN	296-51051-1-ND
	Description	DC DC CONVERTER 5V 1W
	PCB Footprint	DCPA10505P
	Manufacturer	Texas Instruments
	Distributor	Digi-Key
	Manufacturer part number	DCPA10505P-U/700
	Distributor part number	296-51051-1-ND

Object	Property Name	Property Value
+VS : U2/+VS	Name	+VS
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	5V0
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
-VS : U2/-VS	Name	-VS
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
-VOUT : U2/-VOUT	Name	-VOUT
	Number	3
	Swap Id	-1
	Type	Power
	Net Name	GND_ISO
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
+VOUT : U2/+VOUT	Name	+VOUT
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	5Viso
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
NC : U2/NC	Name	NC
	Number	5
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	4
	Is No Connect	True

Object	Property Name	Property Value
SW : U2/SW	Name	SW
	Number	6
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	5
	Is No Connect	True

Object	Property Name	Property Value
SYNC : U2/SYNC	Name	SYNC
	Number	7
	Swap Id	-1
	Type	Input
	Net Name	GND
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
INS41342 : C14	Name	INS41342
	ID	632
	Reference	C14
	Designator	
	Part Reference	C14
	Value	680pF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	{distributorPn:490-1302-1-ND,mfr:Murata Electronics,mpn:GRM155R71H681K}
	Digi-Key PN	490-1302-1-ND
	Description	CAP CER 680PF 50V X7R 0402
	Manufacturer	Murata Electronics
	Tolerance	10%
	Voltage rating	50V
	Manufacturer part number	GRM155R71H681KA01D
	Package	0402
	Distributor part number	490-1302-1-ND
	Distributor	Digi-Key
	Distributor PN	
	Manufacturer PN	

Object	Property Name	Property Value
1 : C14/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N41384
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C14/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS2973 : C32	Name	INS2973
	ID	149
	Reference	C32
	Designator	
	Part Reference	C32
	Value	22pF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	(distributorPn:478-3660-1-ND,mfr:AVX Corporation,mgrn:04025A220KAT2A,ul
	Digi-Key PN	478-3660-1-ND
	Description	CAP CER 22PF 50V C0G/NP0 0402
	Manufacturer	AVX Corporation
	Manufacturer part number	04025A220KAT2A
	Tolerance	10%
	Voltage rating	50V
	Package	0402
	Distributor part number	478-3660-1-ND
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	
	Manufacturer PN	

Object	Property Name	Property Value
1 : C32/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N02659
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C32/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N02929
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS31261 : C24	Name	INS31261
	ID	496
	Reference	C24
	Designator	
	Part Reference	C24
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0805_cap
	Manufacturer part number	CL21A106KOFNNNE
	Manufacturer	Samsung Electro-Mechanics
	Tolerance	10%
	Voltage rating	16V
	Manufacturer PN	
	Distributor part number	1276-2893-1-ND
	Package	0805
	Description	CAP CER 10UF 16V X5R 0805
	Digi-Key PN	1276-2893-1-ND
	digikey_id	(distributorPn:1276-2893-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL21A106KOFNNNE)
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C24/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C24/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False



Object	Property Name	Property Value
INS328920 : U9	Name	INS328920
	ID	1336
	Reference	U9
	Designator	C
	Part Reference	U9C
	Value	TLV9352IDR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:296-TLV9352IDRCT-ND,mfr:Texas Instruments,mpn:TLV9352ID
	Digi-Key PN	296-TLV9352IDRCT-ND
	Description	IC OPAMP GP 2 CIRCUIT 8SOIC
	Manufacturer	Texas Instruments
	PCB Footprint	SOIC-8
	Package	SOIC-8
	Manufacturer part number	TLV9352IDR
	Distributor part number	296-TLV9352IDRCT-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
V- : U9/V-	Name	V-
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
V+ : U9/V+	Name	V+
	Number	8
	Swap Id	-1
	Type	Power
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS9077 : R21	Name	INS9077
	ID	286
	Reference	R21
	Designator	
	Part Reference	R21
	Value	10R0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Distributor part number	A110351CT-ND
	Package	0805
	Voltage rating	100V
	Power rating	1/10W
	Tolerance	0.1%
	Manufacturer part number	2-1625868-7
	Manufacturer	TE Connectivity Passive Product
	Description	RES SMD 10 OHM 0.1% 1/4W 0805
	Digi-Key PN	A110351CT-ND
	digikey_id	{distributorPn:A110351CT-ND,mfr:TE Connectivity Passive Product,mpn:2-1625868-7}
	PCB Footprint	0805_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R21/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N08933
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R21/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	lout
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS36056 : C13	Name	INS36056
	ID	568
	Reference	C13
	Designator	
	Part Reference	C13
	Value	470nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	1206_cap
	Distributor part number	
	Manufacturer part number	C3216X7R1H474M160AA
	Package	
	Voltage rating	50V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Description	CAP CER 0.47UF 50V X7R 1206
	Digi-Key PN	445-4012-1-ND
	digikey_id	{distributorPn:445-4012-1-ND,mfr:TDK Corporation,mgn:C3216X7R1H474M160AA}
	Distributor	Digi-Key
	Distributor PN	
	Manufacturer PN	

Object	Property Name	Property Value
1 : C13/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N36135
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C13/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N36112
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS328794 : U9	Name	INS328794
	ID	1328
	Reference	U9
	Designator	A
	Part Reference	U9A
	Value	TLV9352IDR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:296-TLV9352IDRCT-ND,mfr:Texas Instruments,mpn:TLV9352ID
	Digi-Key PN	296-TLV9352IDRCT-ND
	Description	IC OPAMP GP 2 CIRCUIT 8SOIC
	Manufacturer	Texas Instruments
	PCB Footprint	SOIC-8
	Package	SOIC-8
	Manufacturer part number	TLV9352IDR
	Distributor part number	296-TLV9352IDRCT-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
IN+ : U9/IN+	Name	IN+
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N03989
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U9/IN-	Name	IN-
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	N04246
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U9/OUT	Name	OUT
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	N04068
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS179417 : C45	Name	INS179417
	ID	997
	Reference	C45
	Designator	
	Part Reference	C45
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Distributor part number	490-10700-1-ND
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digikey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mgn:CGA2B1X7R1C104K
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C45/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C45/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	3V3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3382 : R10	Name	INS3382
	ID	157
	Reference	R10
	Designator	
	Part Reference	R10
	Value	5K90
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Distributor part number	P5.9KDCCT-ND
	Package	0402
	Tolerance	0.1%
	Power rating	1/16W
	Manufacturer part number	ERA-2AEB5901X
	Manufacturer	Panasonic Electronic Components
	Voltage rating	50V
	Description	RES SMD 5.9K OHM 0.1% 1/16W 0402
	Digi-Key PN	P5.9KDCCT-ND
	digikey_id	{distributorPn:P5.9KDCCT-ND,mfr:Panasonic Electronic Components,mpn:ERA-2AEB5901X}
	PCB Footprint	0402_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R10/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N03627
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R10/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N253978
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS243712 : C48	Name	INS243712
	ID	1067
	Reference	C48
	Designator	
	Part Reference	C48
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	Distributor part number	490-10700-1-ND
	Manufacturer	TDK Corporation
	Tolerance	10%
	Voltage rating	16V
	Manufacturer PN	
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digikey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mfrn:CGA2B1X7R1C104K050BC}
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C48/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C48/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	2V048
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS35982 : L1	Name	INS35982
	ID	562
	Reference	L1
	Designator	
	Part Reference	L1
	Value	10uH
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	Ind_1008
	digkey_id	{distributorPn:587-1613-1-ND,mfr:Taiyo Yuden,mpn:CBC2518T100M,ut:{uid:5
	Digi-Key PN	587-1613-1-ND
	Description	FIXED IND 10UH 680MA 468MOHM SMD
	Manufacturer part number	CBC2518T100M
	Manufacturer	Taiyo Yuden
	Distributor	Digi-Key
	Current Rating	0.48A
	Depth	
	Height	
	Saturation Rating	
	Width	

Object	Property Name	Property Value
1 : L1/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L1/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N36112
	Order	1
	Is No Connect	False



Object	Property Name	Property Value
INS40936 : C6	Name	INS40936
	ID	625
	Reference	C6
	Designator	
	Part Reference	C6
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0805_cap
	digikey_id	{distributorPn:1276-6780-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL21A226MOCLRNC
	Digi-Key PN	1276-6780-1-ND
	Description	CAP CER 22UF 16V X5R 0805
	Package	0805
	Manufacturer part number	CL21A226MOCLRNC
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	Samsung Electro-Mechanics
	Distributor part number	1276-6780-1-ND
	Distributor	Digi-Key
	Distributor PN	
	Manufacturer PN	

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

Object	Property Name	Property Value
2 : C6/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3774 : R11	Name	INS3774
	ID	166
	Reference	R11
	Designator	
	Part Reference	R11
	Value	453K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	P453KDACT-ND
	Description	RES 453K OHM 0.1% 1/8W 0805
	Voltage rating	100V
	Manufacturer	Panasonic Electronic Components
	Manufacturer part number	ERA-6AEB4533V
	Power rating	1/8W
	Tolerance	0.1%
	Package	0805
	Distributor part number	P453KDACT-ND
	digikey_id	{distributorPn:P453KDACT-ND,mfr:Panasonic Electronic Components,mpn:ERA-6AEB4533V}
	PCB Footprint	0805_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

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

Object	Property Name	Property Value
2 : R11/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N03989
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS118932 : R24	Name	INS118932
	ID	890
	Reference	R24
	Designator	
	Part Reference	R24
	Value	10K0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	2019-RN73H1JTDD1002B25CT-ND
	Description	RES 10K OHM 0.1% 1/10W 0603
	Manufacturer	KOA Speer Electronics, Inc.
	Manufacturer part number	RN73H1JTDD1002B25
	Voltage rating	75V
	Tolerance	0.1%
	Power rating	1/16W
	Package	0603
	Distributor part number	2019-RN73H1JTDD1002B25CT-ND
	digikey_id	{distributorPn:2019-RN73H1JTDD1002B25CT-ND,mfr:KOA Speer Electronics
	PCB Footprint	0603_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R24/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	2V048
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R24/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS239542 : TP38	Name	INS239542
	ID	1055
	Reference	TP38
	Designator	
	Part Reference	TP38
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP38/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS19873 : C35	Name	INS19873
	ID	415
	Reference	C35
	Designator	
	Part Reference	C35
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	(distributorPn:490-10700-1-ND,mfr:Murata Electronics mpn:GRM155R71H104
	Digi-Key PN	490-10700-1-ND
	Description	CAP CER 0.1UF 50V X7R 0402
	Package	0402
	Distributor part number	490-10700-1-ND
	Manufacturer	Murata Electronics
	Tolerance	10%
	Voltage rating	50V
	Manufacturer PN	
	Manufacturer part number	GRM155R71H104KE14D
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C35/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C35/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS283883 : ITEM1	Name	INS283883
	ID	1197
	Reference	ITEM1
	Designator	
	Part Reference	ITEM1
	Value	JUMPER 1.27mm
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	
	Description	CONN JUMPER SHORTING 1.27MM GOLD
	Digi-Key PN	S9346-ND
	digikey_id	{distributorPn:S9346-ND,mfr:Sullins Connector Solutions,mpn:NPB02SVFN-R
	Manufacturer	Sullins Connector Solutions
	Manufacturer part number	NPB02SVFN-RC
	Distributor	Digi-key
	Distributor part number	S9346-ND
	Pitch	1.27mm

Object	Property Name	Property Value
INS18140 : C29	Name	INS18140
	ID	398
	Reference	C29
	Designator	
	Part Reference	C29
	Value	10nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	{distributorPn:490-4762-1-ND,mfr:Murata Electronics,mpn:GCM155R71H103K
	Digi-Key PN	490-4762-1-ND
	Description	CAP CER 10000PF 50V X7R 0402
	Package	0402
	Distributor part number	490-4762-1-ND
	Manufacturer	Murata Electronics
	Tolerance	10%
	Voltage rating	50V
	Manufacturer PN	
	Manufacturer part number	GCM155R71H103KA55D
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C29/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C29/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS43997 : C18	Name	INS43997
	ID	652
	Reference	C18
	Designator	
	Part Reference	C18
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	Distributor part number	490-10700-1-ND
	Manufacturer	Murata Electronics
	Tolerance	10%
	Voltage rating	50V
	Manufacturer PN	
	Manufacturer part number	GRM155R71H104KE14D
	Package	0402
	Description	CAP CER 0.1UF 50V X7R 0402
	Digi-Key PN	490-10700-1-ND
	digikey_id	(distributorPn:490-10700-1-ND,mfr:Murata Electronics,mfn:GRM155R71H104KE14D)
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C18/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C18/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS46530 : C1	Name	INS46530
	ID	673
	Reference	C1
	Designator	
	Part Reference	C1
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:1276-2893-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL21A1
	Digi-Key PN	1276-2893-1-ND
	Description	CAP CER 10UF 16V X5R 0805
	Package	0805
	Distributor part number	1276-2893-1-ND
	Manufacturer PN	
	Tolerance	10%
	Voltage rating	16V
	Manufacturer	Samsung Electro-Mechanics
	Manufacturer part number	CL21A106KOFNNNE
	PCB Footprint	0805_cap
	Distributor	Digi-Key
	Distributor PN	

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

Object	Property Name	Property Value
2 : C1/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5V0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS31401 : C26	Name	INS31401
	ID	502
	Reference	C26
	Designator	
	Part Reference	C26
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Manufacturer PN	
	Tolerance	10%
	Voltage rating	16V
	Manufacturer	TDK Corporation
	Distributor part number	490-10700-1-ND
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digkey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mgrn:CGA2B1X7R1C104K
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C26/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C26/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False



Object	Property Name	Property Value
INS20436 : C43	Name	INS20436
	ID	421
	Reference	C43
	Designator	
	Part Reference	C43
	Value	10nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digkey_id	{distributorPn:490-4762-1-ND,mfr:Murata Electronics,mnpn:GCM155R71H103K}
	Digi-Key PN	490-4762-1-ND
	Description	CAP CER 10000PF 50V X7R 0402
	Package	0402
	Manufacturer part number	GCM155R71H103KA55D
	Manufacturer PN	
	Manufacturer	Murata Electronics
	Tolerance	10%
	Voltage rating	50V
	Distributor part number	490-4762-1-ND
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C43/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C43/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS161667 : TP1	Name	INS161667
	ID	915
	Reference	TP1
	Designator	
	Part Reference	TP1
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP1/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Voe
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS164302 : TP18	Name	INS164302
	ID	949
	Reference	TP18
	Designator	
	Part Reference	TP18
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP18/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Vout
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS20284 : C40	Name	INS20284
	ID	427
	Reference	C40
	Designator	
	Part Reference	C40
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	(distributorPn:490-10700-1-ND,mfr:Murata Electronics mpn:GRM155R71H104
	Digi-Key PN	490-10700-1-ND
	Description	CAP CER 0.1UF 50V X7R 0402
	Package	0402
	Manufacturer part number	GRM155R71H104KE14D
	Manufacturer PN	
	Voltage rating	50V
	Tolerance	10%
	Manufacturer	Murata Electronics
	Distributor part number	490-10700-1-ND
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C40/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C40/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS42428 : D2	Name	INS42428
	ID	643
	Reference	D2
	Designator	
	Part Reference	D2
	Value	SD103AWS-TP
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	SOD323
	Manufacturer	Vishay General Semiconductor - Diodes Division
	Manufacturer part number	SD103AWS-G3-18
	Voltage Rating	40V
	Distributor	Digi-Key
	Package	SOD323
	Distributor part number	SD103AWS-G3-18GICT-ND
	Description	DIODE SCHOTTKY 350MA 40V SOD323
	Digi-Key PN	SD103AWS-G3-18GICT-ND
	digikey_id	(distributorPn:SD103AWS-G3-18GICT-ND,mfr:Vishay General Semiconductor
	Power Dissipation	
	Vf @ If	

Object	Property Name	Property Value
A : D2/A	Name	A
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N36135
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
K : D2/K	Name	K
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS287269 : C49	Name	INS287269
	ID	1199
	Reference	C49
	Designator	
	Part Reference	C49
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	1206_cap
	Distributor part number	490-12457-1-ND
	Manufacturer PN	
	Manufacturer	Murata Electronics
	Tolerance	10%
	Voltage rating	50V
	Manufacturer part number	GRT31CR61H106ME01L
	Package	1206
	Description	CAP CER 10UF 50V X5R 1206
	Digi-Key PN	490-12457-1-ND
	digikey_id	(distributorPn:490-12457-1-ND,mfr:Murata Electronics,mfn:GRT31CR61H106ME01L)
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C49/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C49/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS32252 : C33	Name	INS32252
	ID	511
	Reference	C33
	Designator	
	Part Reference	C33
	Value	1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0603_cap_ipc
	Manufacturer part number	CL10B105MO8NNWC
	Manufacturer	Samsung Electro-Mechanics
	Tolerance	10%
	Voltage rating	16V
	Manufacturer PN	
	Distributor part number	1276-6524-1-ND
	Package	0603
	Description	CAP CER 1UF 16V X7R 0603
	Digi-Key PN	1276-6524-1-ND
	digikey_id	{distributorPn:1276-6524-1-ND,mfr:Samsung Electro-Mechanics,mpr:CL10B1
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C33/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C33/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS36604 : C2	Name	INS36604
	ID	580
	Reference	C2
	Designator	
	Part Reference	C2
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0805_cap
	digikey_id	{distributorPn:1276-6780-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL21A2
	Digi-Key PN	1276-6780-1-ND
	Description	CAP CER 22UF 16V X5R 0805
	Manufacturer	Samsung Electro-Mechanics
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer part number	CL21A226MOCLRNC
	Distributor part number	1276-6780-1-ND
	Package	0805
	Distributor	Digi-Key
	Distributor PN	

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

Object	Property Name	Property Value
2 : C2/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS164201 : TP16	Name	INS164201
	ID	945
	Reference	TP16
	Designator	
	Part Reference	TP16
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP16/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS328739 : U8	Name	INS328739
	ID	1323
	Reference	U8
	Designator	C
	Part Reference	U8C
	Value	TLV9352IDR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digkey_id	{distributorPn:296-TLV9352IDRCT-ND,mfr:Texas Instruments,mpn:TLV9352IDR}
	Digi-Key PN	296-TLV9352IDRCT-ND
	Description	IC OPAMP GP 2 CIRCUIT 8SOIC
	Manufacturer	Texas Instruments
	PCB Footprint	SOIC-8
	Package	SOIC-8
	Manufacturer part number	TLV9352IDR
	Distributor part number	296-TLV9352IDRCT-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
V- : U8/V-	Name	V-
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
V+ : U8/V+	Name	V+
	Number	8
	Swap Id	-1
	Type	Power
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS4356 : C38	Name	INS4356
	ID	187
	Reference	C38
	Designator	
	Part Reference	C38
	Value	100pF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Distributor part number	490-10669-1-ND
	Package	0402
	Manufacturer part number	GCM1555C1H101JA16D
	Voltage rating	50V
	Tolerance	10%
	Manufacturer	Murata Electronics
	Description	CAP CER 100PF 50V C0G/NP0 0402
	Digi-Key PN	490-10669-1-ND
	digikey_id	(distributorPn:490-10669-1-ND,mfr:Murata Electronics,mpn:GCM1555C1H101JA16D)
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	
	Manufacturer PN	

Object	Property Name	Property Value
1 : C38/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N04246
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C38/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N04068
	Order	1
	Is No Connect	False



Object	Property Name	Property Value
INS25674 : C19	Name	INS25674
	ID	441
	Reference	C19
	Designator	
	Part Reference	C19
	Value	10nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:478-1114-1-ND,mfr:KYOCERA AVX,mpn:0402YC103KAT2A}
	Digi-Key PN	478-1114-1-ND
	Description	CAP CER 10000PF 16V X7R 0402
	Package	0402
	Manufacturer part number	0402YC103KAT2A
	Tolerance	10%
	Voltage rating	16V
	Manufacturer	KYOCERA AVX
	Manufacturer PN	
	Distributor part number	490-4762-1-ND
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C19/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C19/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS328680 : U8	Name	INS328680
	ID	1319
	Reference	U8
	Designator	B
	Part Reference	U8B
	Value	TLV9352IDR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:296-TLV9352IDRCT-ND,mfr:Texas Instruments,mpn:TLV9352IDRCT-ND}
	Digi-Key PN	296-TLV9352IDRCT-ND
	Description	IC OPAMP GP 2 CIRCUIT 8SOIC
	Manufacturer	Texas Instruments
	PCB Footprint	SOIC-8
	Package	SOIC-8
	Manufacturer part number	TLV9352IDR
	Distributor part number	296-TLV9352IDRCT-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
IN+ : U8/IN+	Name	IN+
	Number	5
	Swap Id	-1
	Type	Input
	Net Name	N02929
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U8/IN-	Name	IN-
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N03627
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U8/OUT	Name	OUT
	Number	7
	Swap Id	-1
	Type	Power
	Net Name	N253978
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS346298 : U3	Name	INS346298
	ID	1360
	Reference	U3
	Designator	
	Part Reference	U3
	Value	LM2611AMF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	sot23-5
	Package	SOT23-5
	Manufacturer part number	LM2611AMF/NOPB
	Manufacturer	Texas Instruments
	Distributor part number	LM2611AMF/NOPBCT-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
SW : U3/SW	Name	SW
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	N36112
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
GND : U3/GND	Name	GND
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
NFB : U3/NFB	Name	NFB
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N37664
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
SIH/DIN\ : U3/SIH/DIN\	Name	SIH/DIN\
	Number	4
	Swap Id	-1
	Type	Input
	Net Name	5Viso
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
VIN : U3/VIN	Name	VIN
	Number	5
	Swap Id	-1
	Type	Power
	Net Name	5Viso
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS327036 : U5	Name	INS327036
	ID	1307
	Reference	U5
	Designator	
	Part Reference	U5
	Value	AD5641BKSZ
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digkey_id	{distributorPn:505-AD5641BKSZ-500RL7CT-ND,mfr:Analog Devices Inc.,mpn:
	Digi-Key PN	505-AD5641BKSZ-500RL7CT-ND
	Description	IC DAC 14BIT V-OUT SC70-6
	PCB Footprint	SC70-6
	Package	SC70-6
	Manufacturer part number	AD5641BKSZ-500RL7
	Manufacturer	Analog Devices Inc.
	Distributor part number	505-AD5641BKSZ-500RL7TR-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
SIYNIC1 : U5/SIYNIC1	Name	SIYNIC1
	Number	1
	Swap Id	-1
	Type	Input
	Net Name	N30227
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
SCLK : U5/SCLK	Name	SCLK
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	N30231
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
DIN : U5/DIN	Name	DIN
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N30243
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
VREF : U5/VREF	Name	VREF
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	4V096iso
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
GND : U5/GND	Name	GND
	Number	5
	Swap Id	-1
	Type	Power
	Net Name	GND_ISO
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
OUT : U5/OUT	Name	OUT
	Number	6
	Swap Id	-1
	Type	Output
	Net Name	Vdac
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
INS59692 : C12	Name	INS59692
	ID	695
	Reference	C12
	Designator	
	Part Reference	C12
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Distributor part number	490-10700-1-ND
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digikey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mgn:CGA2B1X7R1C104K
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	

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

Object	Property Name	Property Value
2 : C12/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS15560 : R16	Name	INS15560
	ID	342
	Reference	R16
	Designator	
	Part Reference	R16
	Value	10K0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Distributor part number	2019-RN73H1JTDD1002B25CT-ND
	Package	0603
	Power rating	1/10W
	Tolerance	0.1%
	Voltage rating	75V
	Manufacturer part number	RN73H1JTDD1002B25
	Manufacturer	KOA Speer Electronics, Inc.
	Description	RES 10K OHM 0.1% 1/10W 0603
	Digi-Key PN	2019-RN73H1JTDD1002B25CT-ND
	digikey_id	(distributorPn:2019-RN73H1JTDD1002B25CT-ND,mfr:KOA Speer Electronics
	PCB Footprint	0603_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R16/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N04246
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R16/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N04068
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS30622 : C11	Name	INS30622
	ID	484
	Reference	C11
	Designator	
	Part Reference	C11
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Distributor part number	490-10700-1-ND
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digkey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mgn:CGA2B1X7R1C104K050BC}
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	

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

Object	Property Name	Property Value
2 : C11/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS167994 : TP32	Name	INS167994
	ID	979
	Reference	TP32
	Designator	
	Part Reference	TP32
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP32/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS18212 : C28	Name	INS18212
	ID	401
	Reference	C28
	Designator	
	Part Reference	C28
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digkey_id	{distributorPn:490-10700-1-ND,mfr:Murata Electronics,mpn:GRM155R71H104KE14D}
	Digi-Key PN	490-10700-1-ND
	Description	CAP CER 0.1UF 50V X7R 0402
	Package	0402
	Distributor part number	490-10700-1-ND
	Manufacturer	Murata Electronics
	Voltage rating	50V
	Tolerance	10%
	Manufacturer PN	
	Manufacturer part number	GRM155R71H104KE14D
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C28/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	0
	Is No Connect	False



Object	Property Name	Property Value
2 : C28/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS328613 : U8	Name	INS328613
	ID	1314
	Reference	U8
	Designator	A
	Part Reference	U8A
	Value	TLV9352IDR
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digkey_id	{distributorPn:296-TLV9352IDRCT-ND,mfr:Texas Instruments,mpn:TLV9352IDR}
	Digi-Key PN	296-TLV9352IDRCT-ND
	Description	IC OPAMP GP 2 CIRCUIT 8SOIC
	Manufacturer	Texas Instruments
	PCB Footprint	SOIC-8
	Package	SOIC-8
	Manufacturer part number	TLV9352IDR
	Distributor part number	296-TLV9352IDRCT-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
IN+ : U8/IN+	Name	IN+
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	Vamp
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
IN- : U8/IN-	Name	IN-
	Number	2
	Swap Id	-1
	Type	Input
	Net Name	Vout
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
OUT : U8/OUT	Name	OUT
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	Vout
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS2793 : R8	Name	INS2793
	ID	145
	Reference	R8
	Designator	
	Part Reference	R8
	Value	16K20
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	YAG4179CT-ND
	Description	RES SMD 16.2KOHM 0.1% 1/16W 0402
	Manufacturer	YAGEO
	Power rating	1/16W
	Tolerance	0.1%
	Manufacturer part number	RT0402BRD0716K2L
	Package	0402
	Distributor part number	YAG4179CT-ND
	Voltage rating	50V
	digikey_id	{distributorPn:YAG4179CT-ND,mfr:YAGEO,mpn:RT0402BRD0716K2L,ul:{ui:ul}}
	PCB Footprint	0402_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R8/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N02659
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R8/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N02929
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS38952 : C21	Name	INS38952
	ID	600
	Reference	C21
	Designator	
	Part Reference	C21
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	Distributor part number	490-10700-1-ND
	Manufacturer	Murata Electronics
	Voltage rating	50V
	Tolerance	10%
	Manufacturer PN	
	Manufacturer part number	GRM155R71H104KE14D
	Package	0402
	Description	CAP CER 0.1UF 50V X7R 0402
	Digi-Key PN	490-10700-1-ND
	digkey_id	{distributorPn:490-10700-1-ND,mfr:Murata Electronics,mpn:GRM155R71H104KE14D}
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C21/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C21/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS118870 : R23	Name	INS118870
	ID	887
	Reference	R23
	Designator	
	Part Reference	R23
	Value	10K0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Voltage rating	75V
	Distributor part number	2019-RN73H1JTDD1002B25CT-ND
	Package	0603
	Power rating	1/16W
	Tolerance	0.1%
	Manufacturer part number	RN73H1JTDD1002B25
	Manufacturer	KOA Speer Electronics, Inc.
	Description	RES 10K OHM 0.1% 1/10W 0603
	Digi-Key PN	2019-RN73H1JTDD1002B25CT-ND
	digikey_id	{distributorPn:2019-RN73H1JTDD1002B25CT-ND,mfr:KOA Speer Electronics
	PCB Footprint	0603_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R23/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R23/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	2V048
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS30504 : C8	Name	INS30504
	ID	480
	Reference	C8
	Designator	
	Part Reference	C8
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mgrn:CGA2B1X7R1C104K050BC}
	Digi-Key PN	445-5613-1-ND
	Description	CAP CER 0.1UF 16V X7R 0402
	Package	0402
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Manufacturer	TDK Corporation
	Tolerance	10%
	Voltage rating	16V
	Manufacturer PN	
	Distributor part number	490-10700-1-ND
	Distributor	Digi-Key
	Distributor PN	

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

Object	Property Name	Property Value
2 : C8/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	3V3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS40816 : L2	Name	INS40816
	ID	622
	Reference	L2
	Designator	
	Part Reference	L2
	Value	10uH
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	Ind_1008
	digkey_id	{distributorPn:587-1613-1-ND,mfr:Taiyo Yuden,mpn:CBC2518T100M,ut:{uid:5
	Digi-Key PN	587-1613-1-ND
	Description	FIXED IND 10UH 680MA 468MOHM SMD
	Manufacturer part number	CBC2518T100M
	Manufacturer	Taiyo Yuden
	Distributor	Digi-Key
	Current Rating	0.48A
	Depth	
	Height	
	Saturation Rating	
	Width	

Object	Property Name	Property Value
1 : L2/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : L2/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N40846
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS161926 : TP7	Name	INS161926
	ID	927
	Reference	TP7
	Designator	
	Part Reference	TP7
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP7/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS19913 : C37	Name	INS19913
	ID	412
	Reference	C37
	Designator	
	Part Reference	C37
	Value	10nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	(distributorPn:490-4762-1-ND,mfr:Murata Electronics,mnpn:GCM155R71H103K)
	Digi-Key PN	490-4762-1-ND
	Description	CAP CER 10000PF 50V X7R 0402
	Package	0402
	Distributor part number	490-4762-1-ND
	Voltage rating	50V
	Tolerance	10%
	Manufacturer	Murata Electronics
	Manufacturer PN	
	Manufacturer part number	GCM155R71H103KA55D
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C37/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C37/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS252230 : TP19	Name	INS252230
	ID	1090
	Reference	TP19
	Designator	
	Part Reference	TP19
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP19/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	lout
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS43094 : D1	Name	INS43094
	ID	646
	Reference	D1
	Designator	
	Part Reference	D1
	Value	SD103AWS-TP
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	SOD323
	Manufacturer	Vishay General Semiconductor - Diodes Division
	Manufacturer part number	SD103AWS-G3-18
	Voltage Rating	40V
	Distributor	Digi-Key
	Package	SOD-323
	Distributor part number	SD103AWS-G3-18GICT-ND
	Description	DIODE SCHOTTKY 350MA 40V SOD323
	Digi-Key PN	SD103AWS-G3-18GICT-ND
	digikey_id	{distributorPn:SD103AWS-G3-18GICT-ND,mfr:Vishay General Semiconductor
	Power Dissipation	
	Vf @ If	

Object	Property Name	Property Value
A : D1/A	Name	A
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N40846
	Order	0
	Is No Connect	False



Object	Property Name	Property Value
K : D1/K	Name	K
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS40976 : C10	Name	INS40976
	ID	616
	Reference	C10
	Designator	
	Part Reference	C10
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	(distributorPn:445-5613-1-ND,mfr:TDK Corporation,mfrn:CGA2B1X7R1C104K050BC)
	Digi-Key PN	445-5613-1-ND
	Description	CAP CER 0.1UF 16V X7R 0402
	Package	0402
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Distributor part number	490-10700-1-ND
	Distributor	Digi-Key
	Distributor PN	

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

Object	Property Name	Property Value
2 : C10/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS41402 : R4	Name	INS41402
	ID	635
	Reference	R4
	Designator	
	Part Reference	R4
	Value	200K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_res_ipc
	digikey_id	{distributorPn:YAG4202CT-ND,mfr:YAGEO,mpn:RT0402BRD07200KL}
	Digi-Key PN	YAG4202CT-ND
	Description	RES SMD 200K OHM 0.1% 1/16W 0402
	Distributor part number	13-RT0603BRE07200KLCT-ND
	Manufacturer part number	RT0402BRD07200KL
	Tolerance	0.1%
	Power rating	1/16W
	Manufacturer	YAGEO
	Package	0402
	Voltage rating	50V
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R4/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N41384
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R4/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS44037 : C22	Name	INS44037
	ID	649
	Reference	C22
	Designator	
	Part Reference	C22
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	1206_cap
	Distributor part number	490-12457-1-ND
	Manufacturer PN	
	Manufacturer	Murata Electronics
	Tolerance	10%
	Voltage rating	50V
	Manufacturer part number	GRT31CR61H106ME01L
	Package	1206
	Description	CAP CER 10UF 50V X5R 1206
	Digi-Key PN	490-12457-1-ND
	digkey_id	{distributorPn:490-12457-1-ND,mfr:Murata Electronics,mpn:GRT31CR61H106ME01L}
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C22/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C22/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS168387 : TP34	Name	INS168387
	ID	983
	Reference	TP34
	Designator	
	Part Reference	TP34
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP34/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS46570 : C4	Name	INS46570
	ID	670
	Reference	C4
	Designator	
	Part Reference	C4
	Value	1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digkey_id	{distributorPn:1276-6524-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL10B1
	Digi-Key PN	1276-6524-1-ND
	Description	CAP CER 1UF 16V X7R 0603
	Package	0603
	Distributor part number	1276-6524-1-ND
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	Samsung Electro-Mechanics
	Manufacturer part number	CL10B105MO8NNWC
	PCB Footprint	0603_cap_ipc
	Distributor	Digi-Key
	Distributor PN	

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

Object	Property Name	Property Value
2 : C4/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5V0
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS19761 : C34	Name	INS19761
	ID	406
	Reference	C34
	Designator	
	Part Reference	C34
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	{distributorPn:490-10700-1-ND,mfr:Murata Electronics,mpn:GRM155R71H104KE14D}
	Digi-Key PN	490-10700-1-ND
	Description	CAP CER 0.1UF 50V X7R 0402
	Package	0402
	Distributor part number	490-10700-1-ND
	Manufacturer	Murata Electronics
	Tolerance	10%
	Voltage rating	50V
	Manufacturer PN	
	Manufacturer part number	GRM155R71H104KE14D
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C34/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C34/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS179868 : C46	Name	INS179868
	ID	1003
	Reference	C46
	Designator	
	Part Reference	C46
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Distributor part number	490-10700-1-ND
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digikey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mgn:CGA2B1X7R1C104K
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C46/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C46/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS66953 : U1	Name	INS66953
	ID	728
	Reference	U1
	Designator	
	Part Reference	U1
	Value	ADUM7440ARQZ
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	QSOP-16
	digkey_id	{distributorPn:ADUM7440ARQZ-RL7CT-ND,mfr:Analog Devices Inc.,mpn:ADUM7440ARQZ-RL7CT-ND}
	Digi-Key PN	ADUM7440ARQZ-RL7CT-ND
	Description	DGTL ISO 1000VRMS 4CH GP 16QSOP
	Manufacturer part number	ADUM7440ARQZ-RL7
	Manufacturer	Analog Devices Inc.
	Package	QSOP-16
	Distributor part number	ADUM7440ARQZ-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
VDD1A : U1/VDD1A	Name	VDD1A
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	3V3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
GND1 : U1/GND1	Name	GND1
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INA : U1/INA	Name	INA
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	DAC_CSn
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INB : U1/INB	Name	INB
	Number	4
	Swap Id	-1
	Type	Input
	Net Name	SCK
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
INC : U1/INC	Name	INC
	Number	5
	Swap Id	-1
	Type	Input
	Net Name	DAC_MOSI
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
IND : U1/IND	Name	IND
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	OUT_EN
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
VDD1B : U1/VDD1B	Name	VDD1B
	Number	7
	Swap Id	-1
	Type	Power
	Net Name	3V3
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
GND1 : U1/GND1	Name	GND1
	Number	8
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
GND2 : U1/GND2	Name	GND2
	Number	9
	Swap Id	-1
	Type	Power
	Net Name	GND_ISO
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
VDD2B : U1/VDD2B	Name	VDD2B
	Number	10
	Swap Id	-1
	Type	Power
	Net Name	4V096iso
	Order	9
	Is No Connect	False



Object	Property Name	Property Value
OUTD : U1/OUTD	Name	OUTD
	Number	11
	Swap Id	-1
	Type	Output
	Net Name	N64354
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
OUTC : U1/OUTC	Name	OUTC
	Number	12
	Swap Id	-1
	Type	Output
	Net Name	N30243
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
OUTB : U1/OUTB	Name	OUTB
	Number	13
	Swap Id	-1
	Type	Output
	Net Name	N30231
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
OUTA : U1/OUTA	Name	OUTA
	Number	14
	Swap Id	-1
	Type	Output
	Net Name	N30227
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
GND2 : U1/GND2	Name	GND2
	Number	15
	Swap Id	-1
	Type	Power
	Net Name	GND_ISO
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
VDD2A : U1/VDD2A	Name	VDD2A
	Number	16
	Swap Id	-1
	Type	Power
	Net Name	4V096iso
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
INS333420 : U6	Name	INS333420
	ID	1352
	Reference	U6
	Designator	
	Part Reference	U6
	Value	REF3140AQDBZRQ1
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:296-46911-1-ND,mfr:Texas Instruments,mpn:REF3140AQDBZRQ1}
	Digi-Key PN	296-46911-1-ND
	Description	IC VREF SERIES 0.2% SOT23-3
	PCB Footprint	sot23-3
	Package	SOT23-3
	Manufacturer part number	REF3140AQDBZRQ1
	Manufacturer	Texas Instruments
	Distributor part number	296-46911-2-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
VIN : U6/VIN	Name	VIN
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	5Viso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
VOUT : U6/VOUT	Name	VOUT
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	4V096iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
GND : U6/GND	Name	GND
	Number	3
	Swap Id	-1
	Type	Power
	Net Name	GND_ISO
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
INS211556 : C55	Name	INS211556
	ID	1052
	Reference	C55
	Designator	
	Part Reference	C55
	Value	22pF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:478-3660-1-ND,mfr:AVX Corporation,mgn:04025A220KAT2A,u
	Digi-Key PN	478-3660-1-ND
	Description	CAP CER 22PF 50V C0G/NP0 0402
	Manufacturer	AVX Corporation
	Manufacturer part number	04025A220KAT2A
	Tolerance	10%
	Voltage rating	50V
	Package	0402
	Distributor part number	478-3660-1-ND
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	
	Manufacturer PN	

Object	Property Name	Property Value
1 : C55/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N03627
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C55/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N253978
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS242390 : TP37	Name	INS242390
	ID	1057
	Reference	TP37
	Designator	
	Part Reference	TP37
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP37/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	3V3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS340247 : C15	Name	INS340247
	ID	1357
	Reference	C15
	Designator	
	Part Reference	C15
	Value	1nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	(distributorPn:445-1256-1-ND,mfr:TDK Corporation,mfrn:C1005X7R1H102K050BA)
	Digi-Key PN	445-1256-1-ND
	Description	CAP CER 1000PF 50V X7R 0402
	Package	0402
	Manufacturer part number	C1005X7R1H102K050BA
	Manufacturer PN	
	Voltage rating	50V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Distributor part number	
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C15/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C15/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N37664
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS36644 : C5	Name	INS36644
	ID	577
	Reference	C5
	Designator	
	Part Reference	C5
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0805_cap
	Distributor part number	1276-6780-1-ND
	Manufacturer	Samsung Electro-Mechanics
	Tolerance	10%
	Voltage rating	16V
	Manufacturer part number	CL21A226MOCLRNC
	Package	0805
	Description	CAP CER 22UF 16V X5R 0805
	Digi-Key PN	1276-6780-1-ND
	digikey_id	{distributorPn:1276-6780-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL21A2
	Distributor	Digi-Key
	Distributor PN	
	Manufacturer PN	

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

Object	Property Name	Property Value
2 : C5/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS14833 : R12	Name	INS14833
	ID	333
	Reference	R12
	Designator	
	Part Reference	R12
	Value	453K
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	P453KDACT-ND
	Description	RES 453K OHM 0.1% 1/8W 0805
	Voltage rating	100V
	Manufacturer part number	ERA-6AEB4533V
	Tolerance	0.1%
	Power rating	1/8W
	Package	0805
	Manufacturer	Panasonic Electronic Components
	Distributor part number	P453KDACT-ND
	digikey_id	{distributorPn:P453KDACT-ND,mfr:Panasonic Electronic Components,mpn:ERA-6AEB4533V}
	PCB Footprint	0805_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

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

Object	Property Name	Property Value
2 : R12/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N04246
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS199776 : C47	Name	INS199776
	ID	1033
	Reference	C47
	Designator	
	Part Reference	C47
	Value	1nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Manufacturer part number	C0402C102K4RACTU
	Manufacturer PN	
	Tolerance	10%
	Voltage rating	16V
	Manufacturer	KEMET
	Distributor part number	
	Package	0402
	Description	CAP CER 1000PF 16V X7R 0402
	Digi-Key PN	399-7755-1-ND
	digikey_id	{distributorPn:399-7755-1-ND,mfr:KEMET,mpn:C0402C102K4RACTU,ul:{uid:2
	PCB Footprint	0402_cap_ipc
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C47/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Vdac_filt
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C47/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS15666 : R17	Name	INS15666
	ID	345
	Reference	R17
	Designator	
	Part Reference	R17
	Value	10K0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	2019-RN73H1JTDD1002B25CT-ND
	Description	RES 10K OHM 0.1% 1/10W 0603
	Manufacturer	KOA Speer Electronics, Inc.
	Manufacturer part number	RN73H1JTDD1002B25
	Voltage rating	75V
	Power rating	1/10W
	Tolerance	0.1%
	Package	0603
	Distributor part number	2019-RN73H1JTDD1002B25CT-ND
	digikey_id	{distributorPn:2019-RN73H1JTDD1002B25CT-ND,mfr:KOA Speer Electronics
	PCB Footprint	0603_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R17/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N08158
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R17/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N08142
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS166876 : TP29	Name	INS166876
	ID	973
	Reference	TP29
	Designator	
	Part Reference	TP29
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil



Object	Property Name	Property Value
Test : TP29/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Vdac
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS31323 : C25	Name	INS31323
	ID	499
	Reference	C25
	Designator	
	Part Reference	C25
	Value	1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0603_cap_ipc
	Manufacturer part number	CL10B105MO8NNWC
	Manufacturer	Samsung Electro-Mechanics
	Tolerance	10%
	Voltage rating	16V
	Manufacturer PN	
	Distributor part number	1276-6524-1-ND
	Package	0603
	Description	CAP CER 1UF 16V X7R 0603
	Digi-Key PN	1276-6524-1-ND
	digikey_id	(distributorPn:1276-6524-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL10B105MO8NNWC)
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C25/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C25/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS20324 : C42	Name	INS20324
	ID	418
	Reference	C42
	Designator	
	Part Reference	C42
	Value	10nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	{distributorPn:490-4762-1-ND,mfr:Murata Electronics,mpn:GCM155R71H103KA55D}
	Digi-Key PN	490-4762-1-ND
	Description	CAP CER 10000PF 50V X7R 0402
	Package	0402
	Manufacturer part number	GCM155R71H103KA55D
	Manufacturer PN	
	Manufacturer	Murata Electronics
	Voltage rating	50V
	Tolerance	10%
	Distributor part number	490-4762-1-ND
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C42/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C42/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	19V7iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS37902 : R3	Name	INS37902
	ID	587
	Reference	R3
	Designator	
	Part Reference	R3
	Value	29K4
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_res_ipc
	digkey_id	{distributorPn:A127460CT-ND,mfr:TE Connectivity Passive Product,mpn:RP73PF1E29K4BTD}
	Distributor part number	A127460CT-ND
	Voltage rating	50V
	Power rating	1/16W
	Tolerance	0.1%
	Manufacturer part number	RP73PF1E29K4BTD
	Package	0402
	Manufacturer	TE Connectivity Passive Product
	Description	RES 29.4K OHM 0.1% 1/10W 0402
	Digi-Key PN	A127460CT-ND
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R3/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N37664
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R3/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS292460 : C53	Name	INS292460
	ID	1212
	Reference	C53
	Designator	
	Part Reference	C53
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:1276-2893-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL21A1
	Digi-Key PN	1276-2893-1-ND
	Description	CAP CER 10UF 16V X5R 0805
	Package	0805
	Distributor part number	1276-2893-1-ND
	Manufacturer PN	
	Tolerance	10%
	Voltage rating	16V
	Manufacturer	Samsung Electro-Mechanics
	Manufacturer part number	CL21A106KOFNNNE
	PCB Footprint	0805_cap
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C53/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C53/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS244804 : TP28	Name	INS244804
	ID	1070
	Reference	TP28
	Designator	
	Part Reference	TP28
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP28/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	2V048
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS176214 : R5	Name	INS176214
	ID	986
	Reference	R5
	Designator	
	Part Reference	R5
	Value	2K74
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	P2.74KDCCT-ND
	Description	RES SMD 2.74KOHM 0.1% 1/16W 0402
	Manufacturer	Panasonic Electronic Components
	Manufacturer part number	ERA-2AEB2741X
	Power rating	1/16W
	Tolerance	0.1%
	Package	0402
	Voltage rating	50V
	Distributor part number	P2.74KDCCT-ND
	digikey_id	{distributorPn:P2.74KDCCT-ND,mfr:Panasonic Electronic Components,mpr:E
	PCB Footprint	0402_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

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

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

Object	Property Name	Property Value
INS32292 : C31	Name	INS32292
	ID	508
	Reference	C31
	Designator	
	Part Reference	C31
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Manufacturer PN	
	Tolerance	10%
	Voltage rating	16V
	Manufacturer	TDK Corporation
	Distributor part number	490-10700-1-ND
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digkey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mfrn:CGA2B1X7R1C104K050BC}
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C31/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C31/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS56636 : R2	Name	INS56636
	ID	686
	Reference	R2
	Designator	
	Part Reference	R2
	Value	13K30
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_res_ipc
	digikey_id	{distributorPn:P13.3KDCCT-ND,mfr:Panasonic Electronic Components,mpn:E
	Digi-Key PN	P13.3KDCCT-ND
	Description	RES SMD 13.3KOHM 0.1% 1/16W 0402
	Distributor part number	P13.3KDCCT-ND
	Manufacturer part number	ERA-2AEB1332X
	Package	0402
	Tolerance	0.1%
	Power rating	1/16W
	Manufacturer	Panasonic Electronic Components
	Voltage rating	50V
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R2/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N41384
	Order	0
	Is No Connect	False

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

Object	Property Name	Property Value
INS15769 : R18	Name	INS15769
	ID	348
	Reference	R18
	Designator	
	Part Reference	R18
	Value	10K0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Distributor part number	2019-RN73H1JTTD1002B25CT-ND
	Package	0603
	Power rating	1/10W
	Tolerance	0.1%
	Voltage rating	75V
	Manufacturer part number	RN73H1JTTD1002B25
	Manufacturer	KOA Speer Electronics, Inc.
	Description	RES 10K OHM 0.1% 1/10W 0603
	Digi-Key PN	2019-RN73H1JTTD1002B25CT-ND
	digikey_id	{distributorPn:2019-RN73H1JTTD1002B25CT-ND,mfr:KOA Speer Electronics
	PCB Footprint	0603_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R18/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N08088
	Order	0
	Is No Connect	False

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

Object	Property Name	Property Value
INS162134 : TP9	Name	INS162134
	ID	931
	Reference	TP9
	Designator	
	Part Reference	TP9
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil



Object	Property Name	Property Value
Test : TP9/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS59612 : C20	Name	INS59612
	ID	689
	Reference	C20
	Designator	
	Part Reference	C20
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digkey_id	{distributorPn:1276-2893-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL21A1
	Digi-Key PN	1276-2893-1-ND
	Description	CAP CER 10UF 16V X5R 0805
	Package	0805
	Distributor part number	1276-2893-1-ND
	Manufacturer PN	
	Tolerance	10%
	Voltage rating	16V
	Manufacturer	Samsung Electro-Mechanics
	Manufacturer part number	CL21A106KOFNNNE
	PCB Footprint	0805_cap
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C20/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C20/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS346973 : D4	Name	INS346973
	ID	1366
	Reference	D4
	Designator	
	Part Reference	D4
	Value	SD103AWS-TP
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	SOD323
	Manufacturer	Vishay General Semiconductor - Diodes Division
	Manufacturer part number	SD103AWS-G3-18
	Voltage Rating	40V
	Distributor	Digi-Key
	Package	SOD323
	Distributor part number	SD103AWS-G3-18GICT-ND
	Description	DIODE SCHOTTKY 350MA 40V SOD323
	Digi-Key PN	SD103AWS-G3-18GICT-ND
	digikey_id	(distributorPn:SD103AWS-G3-18GICT-ND,mfr:Vishay General Semiconductor
	Power Dissipation	
	Vf @ If	

Object	Property Name	Property Value
A : D4/A	Name	A
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
K : D4/K	Name	K
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N36135
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS272039 : TP17	Name	INS272039
	ID	1192
	Reference	TP17
	Designator	
	Part Reference	TP17
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP17/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	Vamp
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS278232 : R26	Name	INS278232
	ID	1194
	Reference	R26
	Designator	
	Part Reference	R26
	Value	249R
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digkey_id	{distributorPn:P249FCT-ND,mfr:Panasonic Electronic Components,mpn:ERJ-8ENF2490V}
	Digi-Key PN	P249FCT-ND
	Description	RES SMD 249 OHM 1% 1/4W 1206
	Voltage rating	200V
	Distributor part number	P249FCT-ND
	Manufacturer part number	ERJ-8ENF2490V
	Manufacturer	Panasonic Electronic Components
	Tolerance	1%
	Power rating	1/4W
	Package	1206
	Manufacturer PN	ERJ-8ENF2490V
	Distributor PN	P249FCT-ND
	Power Dissipation	1/4W
	PCB Footprint	1206_res
	Distributor	Digi-Key

Object	Property Name	Property Value
1 : R26/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R26/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS40896 : C3	Name	INS40896
	ID	619
	Reference	C3
	Designator	
	Part Reference	C3
	Value	22uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0805_cap
	Distributor part number	1276-6780-1-ND
	Manufacturer	Samsung Electro-Mechanics
	Tolerance	10%
	Voltage rating	16V
	Manufacturer part number	CL21A226MOCLRNC
	Package	0805
	Description	CAP CER 22UF 16V X5R 0805
	Digi-Key PN	1276-6780-1-ND
	digikey_id	{distributorPn:1276-6780-1-ND,mfr:Samsung Electro-Mechanics,mpn:CL21A2
	Distributor	Digi-Key
	Distributor PN	
	Manufacturer PN	

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

Object	Property Name	Property Value
2 : C3/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	5Viso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS3836 : R15	Name	INS3836
	ID	169
	Reference	R15
	Designator	
	Part Reference	R15
	Value	10K0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Digi-Key PN	2019-RN73H1JTDD1002B25CT-ND
	Description	RES 10K OHM 0.1% 1/10W 0603
	Manufacturer	KOA Speer Electronics, Inc.
	Manufacturer part number	RN73H1JTDD1002B25
	Voltage rating	75V
	Tolerance	0.1%
	Power rating	1/10W
	Package	0603
	Distributor part number	2019-RN73H1JTDD1002B25CT-ND
	digikey_id	{distributorPn:2019-RN73H1JTDD1002B25CT-ND,mfr:KOA Speer Electronics
	PCB Footprint	0603_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R15/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N03989
	Order	0
	Is No Connect	False

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

Object	Property Name	Property Value
INS38992 : C23	Name	INS38992
	ID	597
	Reference	C23
	Designator	
	Part Reference	C23
	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	1206_cap
	Distributor part number	490-12457-1-ND
	Manufacturer PN	
	Tolerance	10%
	Voltage rating	50V
	Manufacturer	Murata Electronics
	Manufacturer part number	GRT31CR61H106ME01L
	Package	1206
	Description	CAP CER 10UF 50V X5R 1206
	Digi-Key PN	490-12457-1-ND
	digkey_id	{distributorPn:490-12457-1-ND,mfr:Murata Electronics,mpn:GRT31CR61H106ME01L}
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C23/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C23/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS115948 : U10	Name	INS115948
	ID	873
	Reference	U10
	Designator	
	Part Reference	U10
	Value	74LVC1G3157
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	sot23-6
	digikey_id	{distributorPn:296-18349-1-ND,mfr:Texas Instruments,mpn:1P1G3157QDBVRQ1}
	Digi-Key PN	296-18349-1-ND
	Description	IC SWITCH SPDT SOT23-6
	Distributor part number	296-18349-1-ND
	Package	sot23-6
	Manufacturer part number	1P1G3157QDBVRQ1
	Manufacturer	Texas Instruments
	Distributor	Digi-Key

Object	Property Name	Property Value
B1 : U10/B1	Name	B1
	Number	1
	Swap Id	-1
	Type	Bidirectional
	Net Name	Vdac_filt
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
GND : U10/GND	Name	GND
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
B0 : U10/B0	Name	B0
	Number	3
	Swap Id	-1
	Type	Bidirectional
	Net Name	2V048
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
A : U10/A	Name	A
	Number	4
	Swap Id	-1
	Type	Bidirectional
	Net Name	Voe
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
VCC : U10/VCC	Name	VCC
	Number	5
	Swap Id	-1
	Type	Power
	Net Name	4V096iso
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
SEL : U10/SEL	Name	SEL
	Number	6
	Swap Id	-1
	Type	Input
	Net Name	N64354
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
INS80034 : U4	Name	INS80034
	ID	830
	Reference	U4
	Designator	
	Part Reference	U4
	Value	LMR64010XMFE/NOPB
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	sot23-5
	Description	IC REG BOOST ADJ 1A SOT23-5
	Digi-Key PN	LMR64010XMFE/NOPBCT-ND
	digikey_id	(distributorPn:LMR64010XMFE/NOPBCT-ND,mfr:Texas Instruments,mpr:LMR64010XMFE/NOPBCT-ND)
	Package	SOT23-5
	Manufacturer part number	LMR64010XMFE/NOPB
	Manufacturer	Texas Instruments
	Distributor part number	LMR64010XMFE/NOPBCT-ND
	Distributor	Digi-Key

Object	Property Name	Property Value
SW : U4/SW	Name	SW
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	N40846
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
GND : U4/GND	Name	GND
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	GND_ISO
	Order	1
	Is No Connect	False



Object	Property Name	Property Value
FB : U4/FB	Name	FB
	Number	3
	Swap Id	-1
	Type	Input
	Net Name	N41384
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
S\H\D\N\ : U4/S\H\D\N\	Name	S\H\D\N\
	Number	4
	Swap Id	-1
	Type	Input
	Net Name	5Viso
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
VIN : U4/VIN	Name	VIN
	Number	5
	Swap Id	-1
	Type	Power
	Net Name	5Viso
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
INS112653 : C44	Name	INS112653
	ID	857
	Reference	C44
	Designator	
	Part Reference	C44
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digikey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mgrn:CGA2B1X7R1C104K050BC}
	Digi-Key PN	445-5613-1-ND
	Description	CAP CER 0.1UF 16V X7R 0402
	Package	0402
	Distributor part number	490-10700-1-ND
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C44/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C44/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	4V096iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS290422 : C52	Name	INS290422
	ID	1209
	Reference	C52
	Designator	
	Part Reference	C52
	Value	1nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digkey_id	{distributorPn:445-1256-1-ND,mfr:TDK Corporation,mgn:C1005X7R1H102K050BA}
	Digi-Key PN	445-1256-1-ND
	Description	CAP CER 1000PF 50V X7R 0402
	Package	0402
	Manufacturer part number	C1005X7R1H102K050BA
	Manufacturer	TDK Corporation
	Voltage rating	50V
	Tolerance	10%
	Manufacturer PN	
	Distributor part number	
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C52/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C52/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS18252 : C30	Name	INS18252
	ID	392
	Reference	C30
	Designator	
	Part Reference	C30
	Value	10nF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	digkey_id	(distributorPn:490-4762-1-ND,mfr:Murata Electronics,mprn:GCM155R71H103K)
	Digi-Key PN	490-4762-1-ND
	Description	CAP CER 10000PF 50V X7R 0402
	Package	0402
	Distributor part number	490-4762-1-ND
	Tolerance	10%
	Voltage rating	50V
	Manufacturer	Murata Electronics
	Manufacturer PN	
	Manufacturer part number	GCM155R71H103KA55D
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C30/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	-19V3iso
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C30/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	GND_ISO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
I2C Address : 0xA2	Name	I305127
	Color	Default
	Bounding Box Left	735
	Bounding Box Right	883
	Bounding Box Top	405
	Bounding Box Bottom	418
	Text	I2C Address : 0xA2
	Text Location X-Coordinate	735
	Text Location Y-Coordinate	405
	Font	Courier New

Object	Property Name	Property Value
GND : GND (Wire ID = 778 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 782 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 797 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 804 )	Color	Default
	Name	GND

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 843 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 845 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
5V0 : 5V0 (Wire ID = 850 )	Color	Default
	Name	5V0

Object	Property Name	Property Value
SCK : SCK (Wire ID = 869 )	Color	Default
	Name	SCK

Object	Property Name	Property Value
DAC_CSn : DAC_CSN (Wire ID = 4445 )	Color	Default
	Name	DAC_CSN

Object	Property Name	Property Value
5V0 : 5V0 (Wire ID = 60235 )	Color	Default
	Name	5V0

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 142827 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 142829 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
N145790 : N145790 (Wire ID = 145790 )	Color	Default
	Name	N145790

Object	Property Name	Property Value
GND : GND (Wire ID = 145811 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 145815 )	Color	Default
	Name	GND

Object	Property Name	Property Value
OUT_EN : OUT_EN (Wire ID = 154974 )	Color	Default
	Name	OUT_EN

Object	Property Name	Property Value
DAC_MOSI : DAC_MOSI (Wire ID = 194401 )	Color	Default
	Name	DAC_MOSI

Object	Property Name	Property Value
OUT_EN : OUT_EN (Wire ID = 248271 )	Color	Default
	Name	OUT_EN

Object	Property Name	Property Value
OUT_EN : OUT_EN (Wire ID = 248275 )	Color	Default
	Name	OUT_EN

Object	Property Name	Property Value
GND : GND (Wire ID = 248281 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 304232 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 304243 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 304259 )	Color	Default
	Name	GND

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 305017 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 305019 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
GND : GND (Wire ID = 305024 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 305026 )	Color	Default
	Name	GND

Object	Property Name	Property Value
GND : GND (Wire ID = 305058 )	Color	Default
	Name	GND

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 305110 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
WP : WP (Wire ID = 305412 )	Color	Default
	Name	WP

Object	Property Name	Property Value
WP : WP (Wire ID = 306237 )	Color	Default
	Name	WP

Object	Property Name	Property Value
WP : WP (Wire ID = 306247 )	Color	Default
	Name	WP

Object	Property Name	Property Value
WP : WP (Wire ID = 306249 )	Color	Default
	Name	WP

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 306620 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 306633 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 306635 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 306639 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 306653 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 306655 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
SCL : SCL (Wire ID = 306775 )	Color	Default
	Name	SCL

Object	Property Name	Property Value
SCL : SCL (Wire ID = 306777 )	Color	Default
	Name	SCL

Object	Property Name	Property Value
SDA : SDA (Wire ID = 306782 )	Color	Default
	Name	SDA

Object	Property Name	Property Value
SDA : SDA (Wire ID = 306784 )	Color	Default
	Name	SDA

Object	Property Name	Property Value
SCL : SCL (Wire ID = 307126 )	Color	Default
	Name	SCL

Object	Property Name	Property Value
SCL : SCL (Wire ID = 307130 )	Color	Default
	Name	SCL

Object	Property Name	Property Value
SCL : SCL (Wire ID = 307132 )	Color	Default
	Name	SCL

Object	Property Name	Property Value
SDA : SDA (Wire ID = 307142 )	Color	Default
	Name	SDA

Object	Property Name	Property Value
SDA : SDA (Wire ID = 307164 )	Color	Default
	Name	SDA

Object	Property Name	Property Value
SDA : SDA (Wire ID = 307166 )	Color	Default
	Name	SDA

Object	Property Name	Property Value
GND : GND (Wire ID = 312896 )	Color	Default
	Name	GND

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 313019 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 313113 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 313115 )	Color	Default
	Name	3V3

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
3V3	Name	3V3
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default



Object	Property Name	Property Value
5V0	Name	5V0
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
3V3	Name	3V3
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
GND	Name	GND
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	GND
	Color	Default

Object	Property Name	Property Value
3V3	Name	3V3
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
3V3	Name	3V3
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
3V3	Name	3V3
	Source Library	C:\CADENCE\SPB_17.4\TOOLS\CAPTURE\LIBRARY\CAPSYM.OLB
	Source Symbol	VCC_BAR
	Color	Default

Object	Property Name	Property Value
SCK : SCK	Name	SCK
	Net ID	349716

Object	Property Name	Property Value
DAC_CSn : DAC_CSn	Name	DAC_CSn
	Net ID	349723

Object	Property Name	Property Value
DAC_MOSI : DAC_MOSI	Name	DAC_MOSI
	Net ID	349736

Object	Property Name	Property Value
OUT_EN : OUT_EN	Name	OUT_EN
	Net ID	349738

Object	Property Name	Property Value
TitleBlockIntellitrol : TitleBlockIntellitrol	Path Name	TitleBlockIntellitrol
	Schematic Path	/
	ID	2
	Page Count	2
	Page Number	2
	OrgAddr4	
	OrgAddr3	
	OrgAddr2	925 Chemin ste-foy apt4, QC, CANADA
	OrgAddr1	CPI / CEP #6022173
	OrgName	Jean-Francois Bilodeau, B.E.Eng
	Title	MikroBus connector
	Cage Code	
	RevCode	0B
	Doc	
	Name	TitleBlockIntellitrol
	Design Name	ISOLATED_V_TO_I_DAC
	Design File Name	C:\USERS\JEANF\DESKTOP\GIT\CLICKBOARD\ISOLATED_V-I_DAC\HARD
	Design Create Date	Sunday, June 27, 2021
	Design Modify Date	Friday, November 26, 2021
	Design Create Time	22:07:28
	Design Modify Time	21:09:59
	Schematic Name	SCHEMATIC1
	Schematic Create Date	Sunday, June 27, 2021
	Schematic Modify Date	Friday, November 26, 2021
	Schematic Create Time	22:07:30
	Schematic Modify Time	21:10:00
	Schematic Page Count	2
	Schematic Page Number	2
	Page Size	A
	Page Create Date	Sunday, June 27, 2021
	Page Modify Date	Friday, November 26, 2021
	Page Create Time	22:07:28
	Page Modify Time	21:06:35
	Color	Default
	Source Library	C:\USERS\JEANF\GOOGLE DRIVE\ORCAD16LIB\PIECE\PART.OLB
	Source Symbol	TitleBlockIntellitrol
	Page Name	MikroBus interface

Object	Property Name	Property Value
INS145991 : R25	Name	INS145991
	ID	911
	Reference	R25
	Designator	
	Part Reference	R25
	Value	1K96
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_res_ipc
	Distributor part number	TNP1.96KDACT-ND
	Voltage rating	50V
	Package	0402
	Tolerance	0.1%
	Power rating	1/16W
	Manufacturer	Vishay Dale
	Manufacturer part number	TNPW04021K96BEED
	Description	RES 1.96K OHM 0.1% 1/10W 0402
	Digi-Key PN	TNP1.96KDACT-ND
	digkey_id	{distributorPn:TNP1.96KDACT-ND,mfr:Vishay Dale,mgn:TNPW04021K96BEE
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R25/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R25/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	N145790
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS184270 : FID5	Name	INS184270
	ID	1014
	Reference	FID5
	Designator	
	Part Reference	FID5
	Value	Fiducial
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	fiducial_cir40mil

Object	Property Name	Property Value
FIDx : FID5/FIDx	Name	FIDx
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
INS305192 : TP39	Name	INS305192
	ID	1266
	Reference	TP39
	Designator	
	Part Reference	TP39
	Value	test_pad
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	test_pad_cir_35mil

Object	Property Name	Property Value
Test : TP39/Test	Name	Test
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	WP
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
INS184288 : FID6	Name	INS184288
	ID	1016
	Reference	FID6
	Designator	
	Part Reference	FID6
	Value	Fiducial
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	fiducial_cir40mil

Object	Property Name	Property Value
FIDx : FID6/FIDx	Name	FIDx
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
INS304109 : R27	Name	INS304109
	ID	1251
	Reference	R27
	Designator	
	Part Reference	R27
	Value	10K0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_res_ipc
	Distributor part number	1276-3431-1-ND
	Package	0402
	Power rating	1/16W
	Tolerance	1%
	Voltage rating	50V
	Manufacturer part number	RC1005F103CS
	Manufacturer	Samsung Electro-Mechanics
	Description	RES SMD 10K OHM 1% 1/16W 0402
	Digi-Key PN	1276-3431-1-ND
	digkey_id	{distributorPn:1276-3431-1-ND,mfr:Samsung Electro-Mechanics,mpn:RC1005
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R27/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	3V3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R27/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	WP
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS304961 : C54	Name	INS304961
	ID	1259
	Reference	C54
	Designator	
	Part Reference	C54
	Value	0.1uF
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_cap_ipc
	Distributor part number	490-10700-1-ND
	Manufacturer PN	
	Voltage rating	16V
	Tolerance	10%
	Manufacturer	TDK Corporation
	Manufacturer part number	CGA2B1X7R1C104K050BC
	Package	0402
	Description	CAP CER 0.1UF 16V X7R 0402
	Digi-Key PN	445-5613-1-ND
	digkey_id	{distributorPn:445-5613-1-ND,mfr:TDK Corporation,mfrn:CGA2B1X7R1C104K050BC}
	Distributor	Digi-Key
	Distributor PN	

Object	Property Name	Property Value
1 : C54/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C54/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	3V3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS303887 : U11	Name	INS303887
	ID	1236
	Reference	U11
	Designator	
	Part Reference	U11
	Value	24LC512-I/ST
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:24LC512-I/ST-ND,mfr:Microchip Technology,mpn:24LC512-I/ST-ND}
	Digi-Key PN	24LC512-I/ST-ND
	Description	IC EEPROM 512KBIT I2C 8TSSOP
	PCB Footprint	tssop8_4mm_065mm
	Package	TSSOP8 4mm body x 0,65mm pitch
	Manufacturer part number	24LC512-I/ST
	Manufacturer	Microchip Technology
	Distributor part number	24LC512-I/ST-ND
	Distributor	Digi-key

Object	Property Name	Property Value
SCL : U11/SCL	Name	SCL
	Number	6
	Swap Id	-1
	Type	Bidirectional
	Net Name	SCL
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
VSS : U11/VSS	Name	VSS
	Number	4
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
SDA : U11/SDA	Name	SDA
	Number	5
	Swap Id	-1
	Type	Bidirectional
	Net Name	SDA
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
VCC : U11/VCC	Name	VCC
	Number	8
	Swap Id	-1
	Type	Power
	Net Name	3V3
	Order	3
	Is No Connect	False



Object	Property Name	Property Value
WP : U11/WP	Name	WP
	Number	7
	Swap Id	-1
	Type	Input
	Net Name	WP
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
A0 : U11/A0	Name	A0
	Number	1
	Swap Id	-1
	Type	Power
	Net Name	3V3
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
A1 : U11/A1	Name	A1
	Number	2
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
A2 : U11/A2	Name	A2
	Number	3
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
INS248216 : R22	Name	INS248216
	ID	1073
	Reference	R22
	Designator	
	Part Reference	R22
	Value	10K0
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0402_res_ipc
	Distributor part number	1276-3431-1-ND
	Package	0402
	Power rating	1/16W
	Tolerance	1%
	Voltage rating	50V
	Manufacturer part number	RC1005F103CS
	Manufacturer	Samsung Electro-Mechanics
	Description	RES SMD 10K OHM 1% 1/16W 0402
	Digi-Key PN	1276-3431-1-ND
	digkey_id	{distributorPn:1276-3431-1-ND,mfr:Samsung Electro-Mechanics,mpn:RC1005
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R22/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R22/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	OUT_EN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS142795 : D3	Name	INS142795
	ID	904
	Reference	D3
	Designator	
	Part Reference	D3
	Value	LED GREEN
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	0603_led
	Manufacturer	Rohm Semiconductor
	Manufacturer part number	SML-D12P8WT86
	Description	LED GREEN DIFFUSED 0603 SMD
	Digi-Key PN	511-1579-1-ND
	digikey_id	(distributorPn:511-1579-1-ND,mfr:Rohm Semiconductor,mpn:SML-D12P8WT86)

Object	Property Name	Property Value
ANODE : D3/ANODE	Name	ANODE
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	3V3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
CATHODE : D3/CATHODE	Name	CATHODE
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	N145790
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS306410 : R29	Name	INS306410
	ID	1290
	Reference	R29
	Designator	
	Part Reference	R29
	Value	DNP
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	Distributor part number	1276-3431-1-ND
	Package	0402
	Power rating	1/16W
	Tolerance	1%
	Voltage rating	50V
	Manufacturer part number	RC1005F103CS
	Manufacturer	Samsung Electro-Mechanics
	Description	RES SMD 10K OHM 1% 1/16W 0402
	Digi-Key PN	1276-3431-1-ND
	digikey_id	{distributorPn:1276-3431-1-ND,mfr:Samsung Electro-Mechanics,mpn:RC1005
	PCB Footprint	0402_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R29/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	3V3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : R29/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	SDA
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS1015 : J2	Name	INS1015
	ID	61
	Reference	J2
	Designator	
	Part Reference	J2
	Value	ClickBoard
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	MikroBus-ClickBoard
	Manufacturer	Würth Elektronik
	Manufacturer part number	61300811121
	Description	CONN HEADER VERT 8POS 2.54MM
	Digi-Key PN	732-5321-ND
	digikey_id	(distributorPn:732-5321-ND,mfr:Würth Elektronik,mpn:61300811121)

Object	Property Name	Property Value
AN : J2/AN	Name	AN
	Number	1
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
RST : J2/RST	Name	RST
	Number	2
	Swap Id	-1
	Type	Bidirectional
	Net Name	OUT_EN
	Order	1
	Is No Connect	True

Object	Property Name	Property Value
CS : J2/CS	Name	CS
	Number	3
	Swap Id	-1
	Type	Bidirectional
	Net Name	DAC_CSn
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
SCK : J2/SCK	Name	SCK
	Number	4
	Swap Id	-1
	Type	Bidirectional
	Net Name	SCK
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
SDO : J2/SDO	Name	SDO
	Number	5
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	4
	Is No Connect	True

Object	Property Name	Property Value
SDI : J2/SDI	Name	SDI
	Number	6
	Swap Id	-1
	Type	Bidirectional
	Net Name	DAC_MOSI
	Order	5
	Is No Connect	True

Object	Property Name	Property Value
3V3 : J2/3V3	Name	3V3
	Number	7
	Swap Id	-1
	Type	Power
	Net Name	3V3
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
GND : J2/GND	Name	GND
	Number	8
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
GND : J2/GND	Name	GND
	Number	9
	Swap Id	-1
	Type	Power
	Net Name	GND
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
5V : J2/5V	Name	5V
	Number	10
	Swap Id	-1
	Type	Power
	Net Name	5V0
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
SDA : J2/SDA	Name	SDA
	Number	11
	Swap Id	-1
	Type	Bidirectional
	Net Name	SDA
	Order	10
	Is No Connect	True

Object	Property Name	Property Value
SCL : J2/SCL	Name	SCL
	Number	12
	Swap Id	-1
	Type	Bidirectional
	Net Name	SCL
	Order	11
	Is No Connect	True

Object	Property Name	Property Value
RX : J2/RX	Name	RX
	Number	13
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	12
	Is No Connect	True

Object	Property Name	Property Value
TX : J2/TX	Name	TX
	Number	14
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	13
	Is No Connect	True

Object	Property Name	Property Value
INT : J2/INT	Name	INT
	Number	15
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	14
	Is No Connect	True

Object	Property Name	Property Value
PWM : J2/PWM	Name	PWM
	Number	16
	Swap Id	-1
	Type	Bidirectional
	Net Name	
	Order	15
	Is No Connect	True

Object	Property Name	Property Value
INS184198 : FID1	Name	INS184198
	ID	1006
	Reference	FID1
	Designator	
	Part Reference	FID1
	Value	Fiducial
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	fiducial_cir40mil

Object	Property Name	Property Value
FIDx : FID1/FIDx	Name	FIDx
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
INS306348 : R28	Name	INS306348
	ID	1287
	Reference	R28
	Designator	
	Part Reference	R28
	Value	DNP
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	digikey_id	{distributorPn:1276-3431-1-ND,mfr:Samsung Electro-Mechanics,mpn:RC1005
	Digi-Key PN	1276-3431-1-ND
	Description	RES SMD 10K OHM 1% 1/16W 0402
	Manufacturer	Samsung Electro-Mechanics
	Manufacturer part number	RC1005F103CS
	Voltage rating	50V
	Tolerance	1%
	Power rating	1/16W
	Package	0402
	Distributor part number	1276-3431-1-ND
	PCB Footprint	0402_res_ipc
	Distributor PN	
	Distributor	Digi-Key
	Manufacturer PN	

Object	Property Name	Property Value
1 : R28/1	Name	1
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	3V3
	Order	0
	Is No Connect	False



Object	Property Name	Property Value
2 : R28/2	Name	2
	Number	2
	Swap Id	-1
	Type	Passive
	Net Name	SCL
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
INS184216 : FID2	Name	INS184216
	ID	1008
	Reference	FID2
	Designator	
	Part Reference	FID2
	Value	Fiducial
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	fiducial_cir40mil

Object	Property Name	Property Value
FIDx : FID2/FIDx	Name	FIDx
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
INS184234 : FID3	Name	INS184234
	ID	1010
	Reference	FID3
	Designator	
	Part Reference	FID3
	Value	Fiducial
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	fiducial_cir40mil

Object	Property Name	Property Value
FIDx : FID3/FIDx	Name	FIDx
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
INS184252 : FID4	Name	INS184252
	ID	1012
	Reference	FID4
	Designator	
	Part Reference	FID4
	Value	Fiducial
	Primitive	DEFAULT
	Implementation Type	<none>
	Implementation	
	Implementation Path	
	PCB Footprint	fiducial_cir40mil

Object	Property Name	Property Value
FIDx : FID4/FIDx	Name	FIDx
	Number	1
	Swap Id	-1
	Type	Passive
	Net Name	
	Order	0
	Is No Connect	True