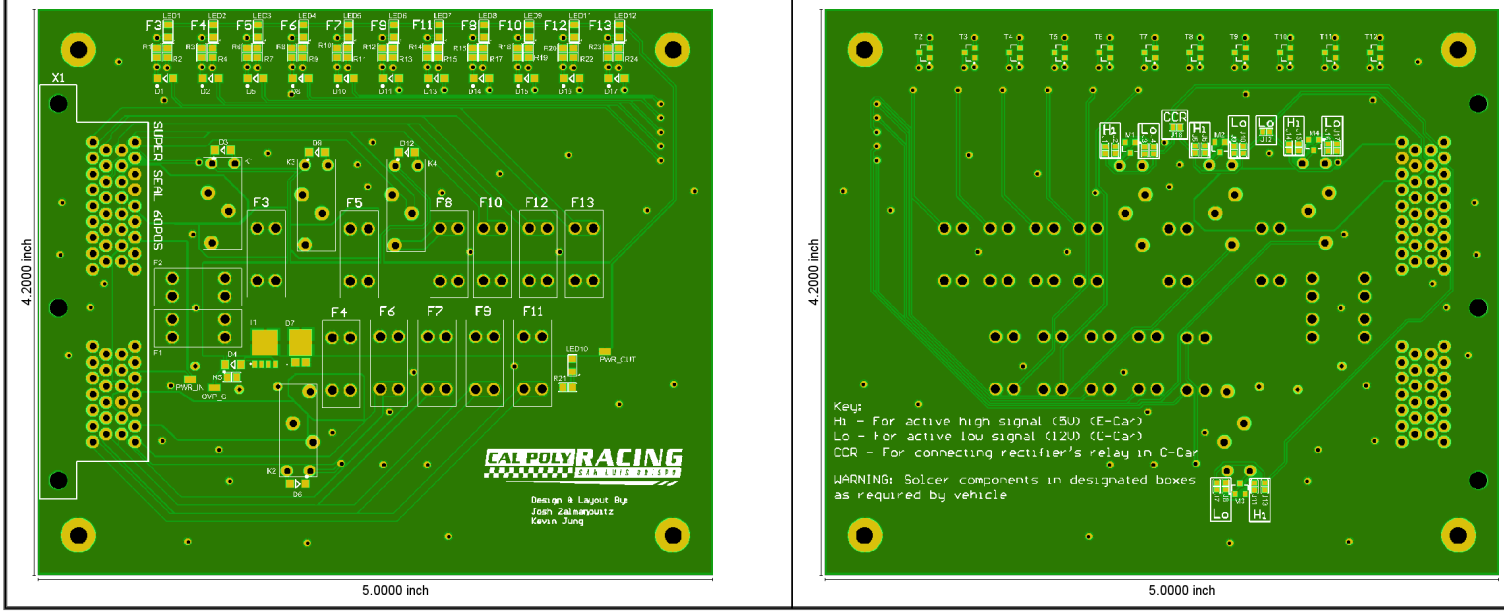
Name	cowoh3ip.zip	Id.	31972 - QED OK
Report Generated on	Mar 4, 2019 11:13:10 PM	Customer	InstantDFM
Board Id			

Single PCB View - Original

Top View	Bottom View



Summary - General - Original

PCB Size	5.0000 inch x 4.2000 inch	Surface Finish	unknown
PCB Thickness	62.00 mil	Max. Aspect Ratio on PTH	2.2
Customer Panel Size		Number of Nets	87
Copper Layers	2	Electrical Test	Double Sided
Solder Mask	Both	Drilled SMD Pads	No
Solder Mask Color	Green	SMD Pads Top	115
Legend	Both	SMD Pads Bottom	81
Legend Color	White	BGA Pads Top	0
Peeloff Mask	None	BGA Pads Bottom	0
Carbon Mask	None	Drill Hole Density	11 Holes/inch^2
Edge Connectors	No		

Summary - Copper Layers - Original

Layer Type	Min. Copper Width	Min. Critical Copper Width	Min. Trace Width	Min. Critical Trace Width	Min. Clr. Copper to Copper	Min. Clr. Trace to Trace	Min. Same Net Spacing	Min. Ring	Copper to Plated Clr.	Copper to NPTH Clr.	Copper to Outline Clr.
	mil	mil	mil	mil	mil	mil	mil	mil	mil	mil	mil
Outer	1 5.27	2 7.42	3 8.00	4 8.00	5 8.00	6 10.00	7 9.27	8 11.00	9 21.00	10 10.00	11 15.29

Name	cowoh3ip.zip	Id.	31972 - QED OK
Report Generated on	Mar 4, 2019 11:13:10 PM	Customer	InstantDFM
Board Id			

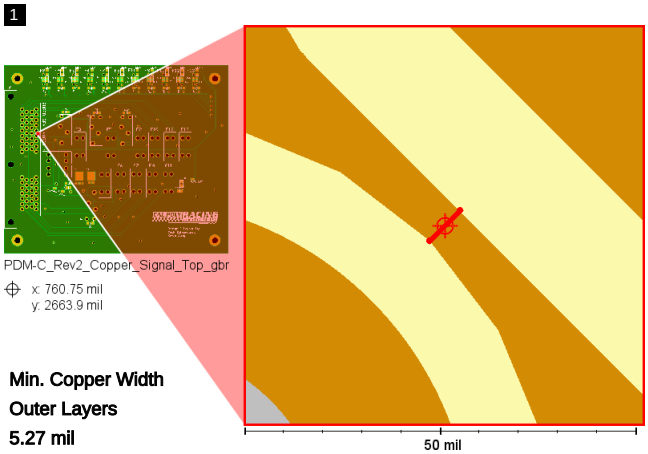
Summary - Sequences - Original

Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Moves	Min. Ring on Outer	Min. Ring on Inner	Min. Clr. Hole to Copper
			mil	mil			mil	mil	mil
Blind	0								
Buried	0								
PTH	1	13	28.00	125.00	218	0	11.00		21.00
Plated (Total)	1	13	28.00	125.00	218	0	11.00		21.00
NPTH	1	2	55.12	129.92	6	0	>32.00		10.00
Total	2	15	28.00	129.92	224	0	11.00		10.00

Name	cowoh3ip.zip	Id.	31972 - QED OK
Report Generated on	Mar 4, 2019 11:13:10 PM	Customer	InstantDFM
Board Id			

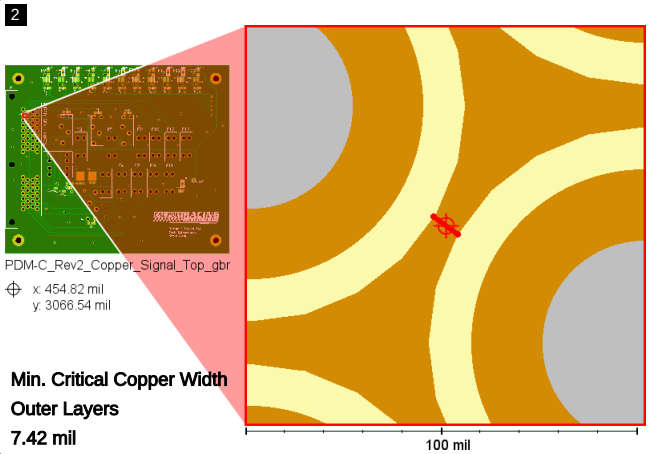
Summary Minimum Design Characteristics - Locations - Original

1



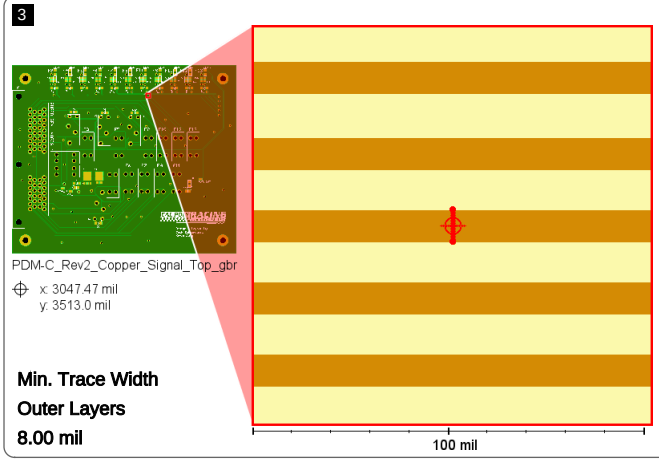
Min. Copper Width
Outer Layers
5.27 mil

2



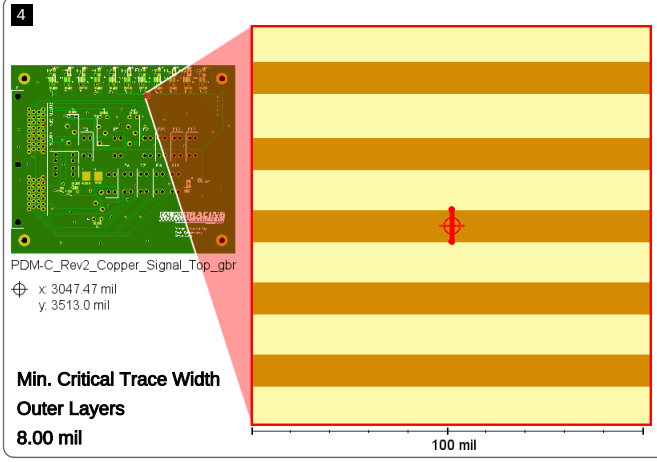
Min. Critical Copper Width
Outer Layers
7.42 mil

3



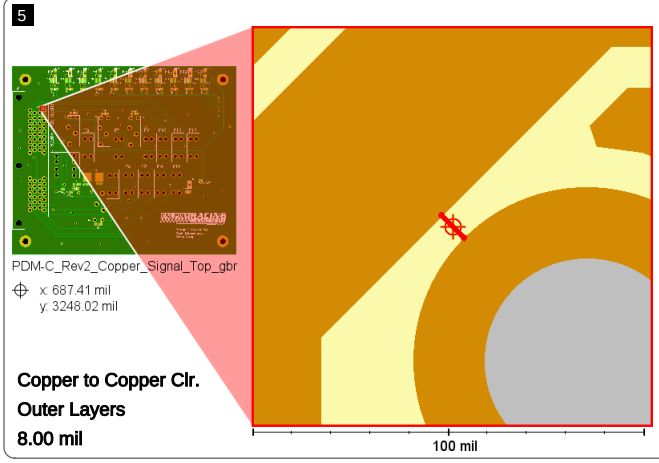
Min. Trace Width
Outer Layers
8.00 mil

4



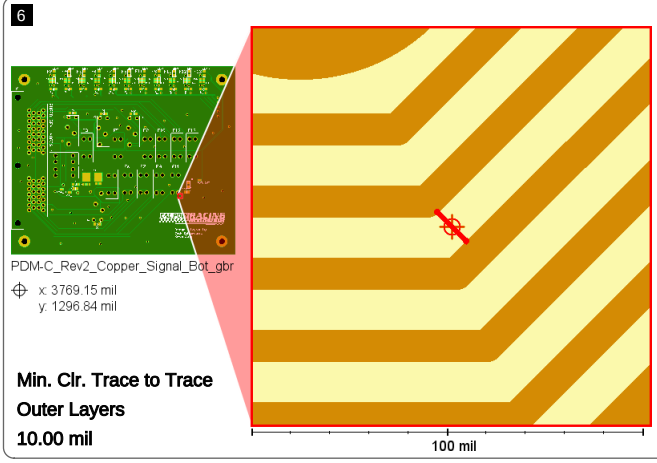
Min. Critical Trace Width
Outer Layers
8.00 mil

5



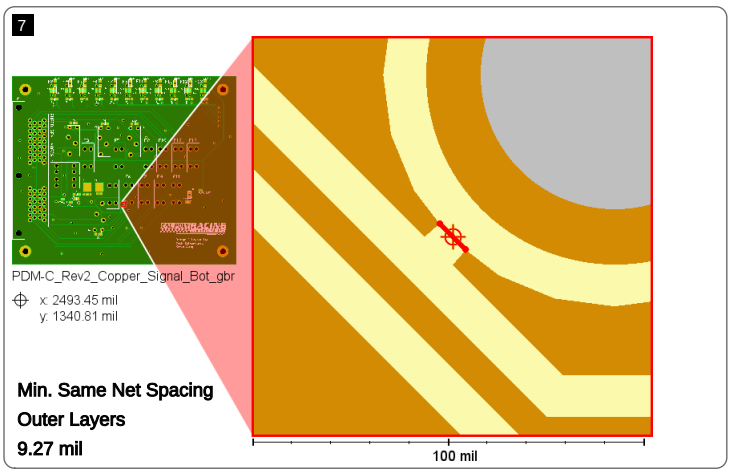
Copper to Copper Clr.
Outer Layers
8.00 mil

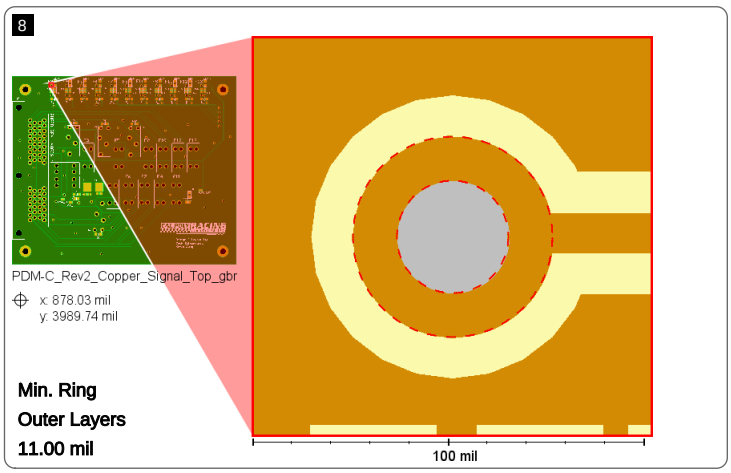
6

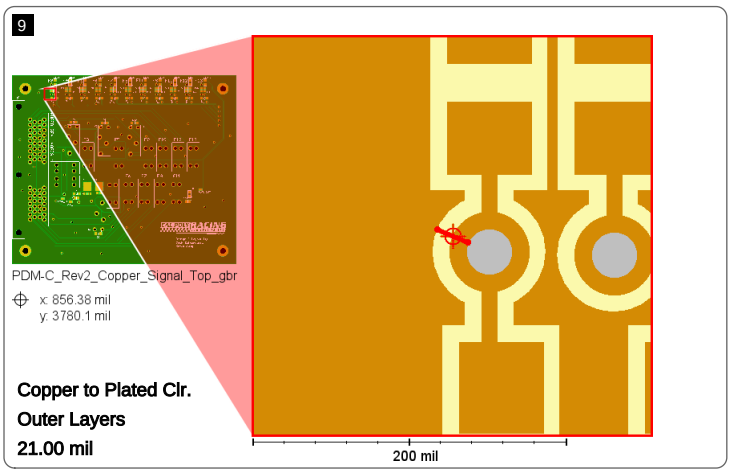


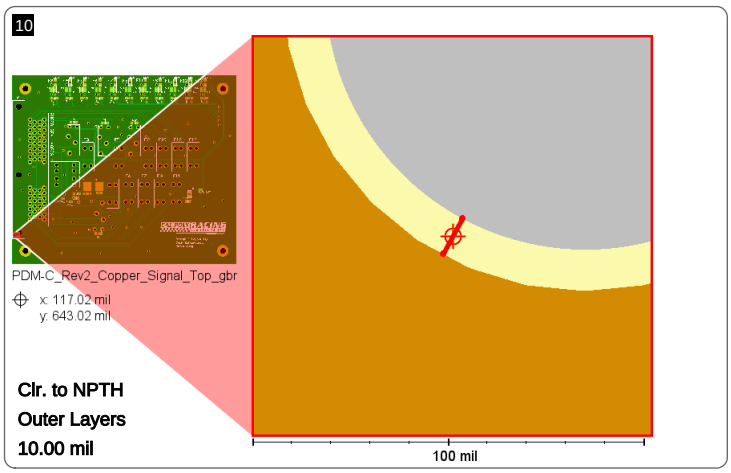
Min. Clr. Trace to Trace
Outer Layers
10.00 mil

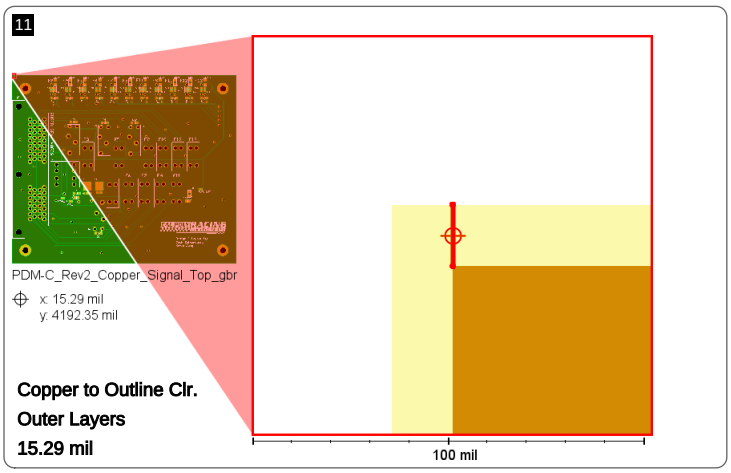
Name	cowoh3ip.zip	Id.	31972 - QED OK
Report Generated on	Mar 4, 2019 11:13:11 PM	Customer	InstantDFM
Board Id			











Stackup - Original

Pressing Stages	1

Name	cowoh3ip.zip	Id.	31972 - QED OK
Report Generated on	Mar 4, 2019 11:13:11 PM	Customer	InstantDFM
Board Id			

Copper Layer Minima & Area - Original

File	Pos.	Min. Copper Width	Min. Critical Copper Width	Min. Trace Width	Min. Critical Trace Width	Min. Clr. Copper to Copper	Min. Clr. Trace to Trace	Min. Same Net Spacing	Min. Ring	Copper to Plated Clr.	Copper to NPTH Clr.	Copper to Outline Clr.	Copper Area	
		mil	mil	mil	mil	mil	mil	mil	mil	mil	mil	mil	inch^2	%
PDM-C_Rev2_Copper_Signal_Top_gbr	1	5.27	7.42	8.00	8.00	8.00	10.00	10.00	11.00	21.00	10.00	15.29	18.8062	90
PDM-C_Rev2_Copper_Signal_Bot_gbr	2	6.62	8.00	8.00	8.00	8.00	10.00	9.27	11.00	21.00	10.00	15.29	19.1821	91

Name	cowoh3ip.zip	Id.	31972 - QED OK
Report Generated on	Mar 4, 2019 11:13:11 PM	Customer	InstantDFM
Board Id			

Drill Tools - Original

File	Tool Nr.	Span	Type	Method	FilledVia	Countered	Dia.	Tol. Min	Tol. Plus	Holes (in PCB)	Moves (in PCB)	Double Hits (in File)	Predrill Hits (in File)	Min. Ring on Outer	Min. Ring on Inner	Min. Pad Size
							mil	mil	mil					mil	mil	mil
PDM-C_Rev2_NPTH_Drill_gbr	64	1-2	NPTH	unknown	unknown	unknown	129.92	0.00	0.00	3	0	0	0	>32.00		
PDM-C_Rev2_NPTH_Drill_gbr	65	1-2	NPTH	unknown	unknown	unknown	55.12	0.00	0.00	3	0	0	0	21.65		
PDM-C_Rev2_PTH_Drill_gbr	65	1-2	PTH	unknown	unknown	unknown	55.12	0.00	0.00	9	0	0	0	21.65		98.42
PDM-C_Rev2_PTH_Drill_gbr	66	1-2	PTH	unknown	unknown	unknown	66.93	0.00	0.00	8	0	0	0	13.78		94.49
PDM-C_Rev2_PTH_Drill_gbr	67	1-2	PTH	unknown	unknown	unknown	66.93	0.00	0.00	44	0	0	0	13.78		94.49
PDM-C_Rev2_PTH_Drill_gbr	68	1-2	PTH	unknown	unknown	unknown	51.18	0.00	0.00	60	0	0	0	17.72		86.62
PDM-C_Rev2_PTH_Drill_gbr	69	1-2	PTH	unknown	unknown	unknown	30.00	0.00	0.00	1	0	0	0	15.00		60.00
PDM-C_Rev2_PTH_Drill_gbr	70	1-2	PTH	unknown	unknown	unknown	30.00	0.00	0.00	1	0	0	0	15.00		60.00
PDM-C_Rev2_PTH_Drill_gbr	71	1-2	PTH	unknown	unknown	unknown	30.00	0.00	0.00	1	0	0	0	15.00		60.00
PDM-C_Rev2_PTH_Drill_gbr	72	1-2	PTH	unknown	unknown	unknown	125.00	0.00	0.00	1	0	0	0	>32.00		>189.00
PDM-C_Rev2_PTH_Drill_gbr	73	1-2	PTH	unknown	unknown	unknown	125.00	0.00	0.00	1	0	0	0	>32.00		>189.00
PDM-C_Rev2_PTH_Drill_gbr	74	1-2	PTH	unknown	unknown	unknown	125.00	0.00	0.00	1	0	0	0	>32.00		>189.00
PDM-C_Rev2_PTH_Drill_gbr	75	1-2	PTH	unknown	unknown	unknown	125.00	0.00	0.00	1	0	0	0	>32.00		>189.00
PDM-C_Rev2_PTH_Drill_gbr	76	1-2	PTH	unknown	unknown	unknown	43.31	0.00	0.00	8	0	0	0	17.72		78.75
PDM-C_Rev2_PTH_Drill_gbr	77	1-2	PTH	unknown	unknown	unknown	28.00	0.00	0.00	82	0	0	0	11.00		50.00

Some holes of the following NPTH drill tools hit functional copper: 65

Name	cowoh3ip.zip	Id.	31972 - QED OK
Report Generated on	Mar 4, 2019 11:13:11 PM	Customer	InstantDFM
Board Id			

Sequences - Original

Span	Type	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Clr. Hole to Copper	Min. Clr. Hole to Outline	Min. Clr. Slot to Outline
			mil	mil		mil	mil	mil	mil	mil
1-2	PTH	13	28.00	125.00	218	11.00		21.00	126.00	disabled
All	Plated	13	28.00	125.00	218	11.00		21.00	126.00	disabled
1-2	NPTH	2	55.12	129.92	6	21.65		10.00	85.04	disabled
All	All	15	28.00	129.92	224	11.00		10.00	85.04	disabled

Rout Tools - Original

File	Tool Nr.	Type	Tool Dia.	End Dia.	Draw Length	Nibble Count
			mil	mil	mil	

Routed Holes - Original

File	Hole Nr.	Instances	X Size	Y Size	Draw Length	Nibble Count
			mil	mil	mil	

Solder Mask - Original

Side	Min. Ring on Cu Defined Pads	Min. Ring on SM Defined Pads	Min. Clr. Mask to Mask	Min. Web	Min. Clr. Mask to Copper	Fully Covered Via Holes	Partly Covered Via Holes	TH Via Holes Half Mask
	mil	mil	mil	mil	mil			
Top	4.00	>10.00	>10.00	>10.00	4.00	No	No	
Bottom	4.00	>10.00	>10.00	9.72	4.00	No	No	
Both	4.00	>10.00	>10.00	9.72	4.00	No	No	No

Files - Original

Initial	Renamed	Format	Function	Position	Color
PDM-C_Rev2_Pads_Top.gbr	PDM-C_Rev2_Pads_Top_gbr	gerx2	pads	top	
PDM-C_Rev2_Paste_Top.gbr	PDM-C_Rev2_Paste_Top_gbr	gerx2	paste	top	
PDM-C_Rev2_Legend_Top.gbr	PDM-C_Rev2_Legend_Top_gbr	gerx2	silk	top	white
PDM-C_Rev2_Soldermask_Top.gbr	PDM-C_Rev2_Soldermask_Top_gbr	gerx2	mask	top	green
PDM-C_Rev2_Copper_Signal_Top.gbr	PDM-C_Rev2_Copper_Signal_Top_gbr	gerx2	outer	1	
PDM-C_Rev2_Copper_Signal_Bot.gbr	PDM-C_Rev2_Copper_Signal_Bot_gbr	gerx2	outer	2	
PDM-C_Rev2_Soldermask_Bot.gbr	PDM-C_Rev2_Soldermask_Bot_gbr	gerx2	mask	bottom	green
PDM-C_Rev2_Legend_Bot.gbr	PDM-C_Rev2_Legend_Bot_gbr	gerx2	silk	bottom	white
PDM-C_Rev2_Paste_Bot.gbr	PDM-C_Rev2_Paste_Bot_gbr	gerx2	paste	bottom	
PDM-C_Rev2_NPTH_Drill.gbr	PDM-C_Rev2_NPTH_Drill_gbr	gerx2	nonplated	1-2	
PDM-C_Rev2_PTH_Drill.gbr	PDM-C_Rev2_PTH_Drill_gbr	gerx2	plated	1-2	
PDM-C_Rev2_Pads_Bot.gbr	PDM-C_Rev2_Pads_Bot_gbr	gerx2	pads	bottom	
PDM-C_Rev2_Drawing_1.gbr	PDM-C_Rev2_Drawing_1_gbr	gerx2	drawing	none	
PDM-C_Rev2_Drillmap_1.gbr	PDM-C_Rev2_Drillmap_1_gbr	gerx2	drillmap	none	
PDM-C_Rev2_Profile.gbr	PDM-C_Rev2_Profile_gbr	gerx2	cad_outline	none	

Name	cowoh3ip.zip	Id.	31972 - QED OK
Report Generated on	Mar 4, 2019 11:13:11 PM	Customer	InstantDFM
Board Id			

Input Remarks - Original

Gerber import: Non-standard .FileFunction attribute value Drawing, interpreted as extra layer 'PDM-C_Rev2_Drawing_1.gbr' (at line 1630)

Gerber import: Self-intersecting contours are detected, continuing with an interpretation of the contours. 'PDM-C_Rev2_Legend_Top.gbr' (at line 908)

Comments - Original