

Name	world80h.zip	Id.	31467 - QED OK
Report Generated on	Feb 15, 2019 9:13:12 PM	Customer	InstantDFM
Board Id			

Single PCB View - Original

Top View	Bottom View
<p>5.0000 inch</p>	<p>5.0000 inch</p> <p>Key: H₁ - For high side driven (E-Car) L₀ - For low side driven (D-Car) (Align Diode cathode stripe with H₁ or L₀ line) Warning: Do not solder components in H₁ AND L₀. Choose only one.</p>

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	79
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	57
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 5.23	² 7.42	³ 8.00	⁴ 8.00	⁵ 8.00	⁶ 10.00	⁷ 6.04	⁸ 11.00	⁹ 21.00	¹⁰ 10.00	¹¹ 15.29

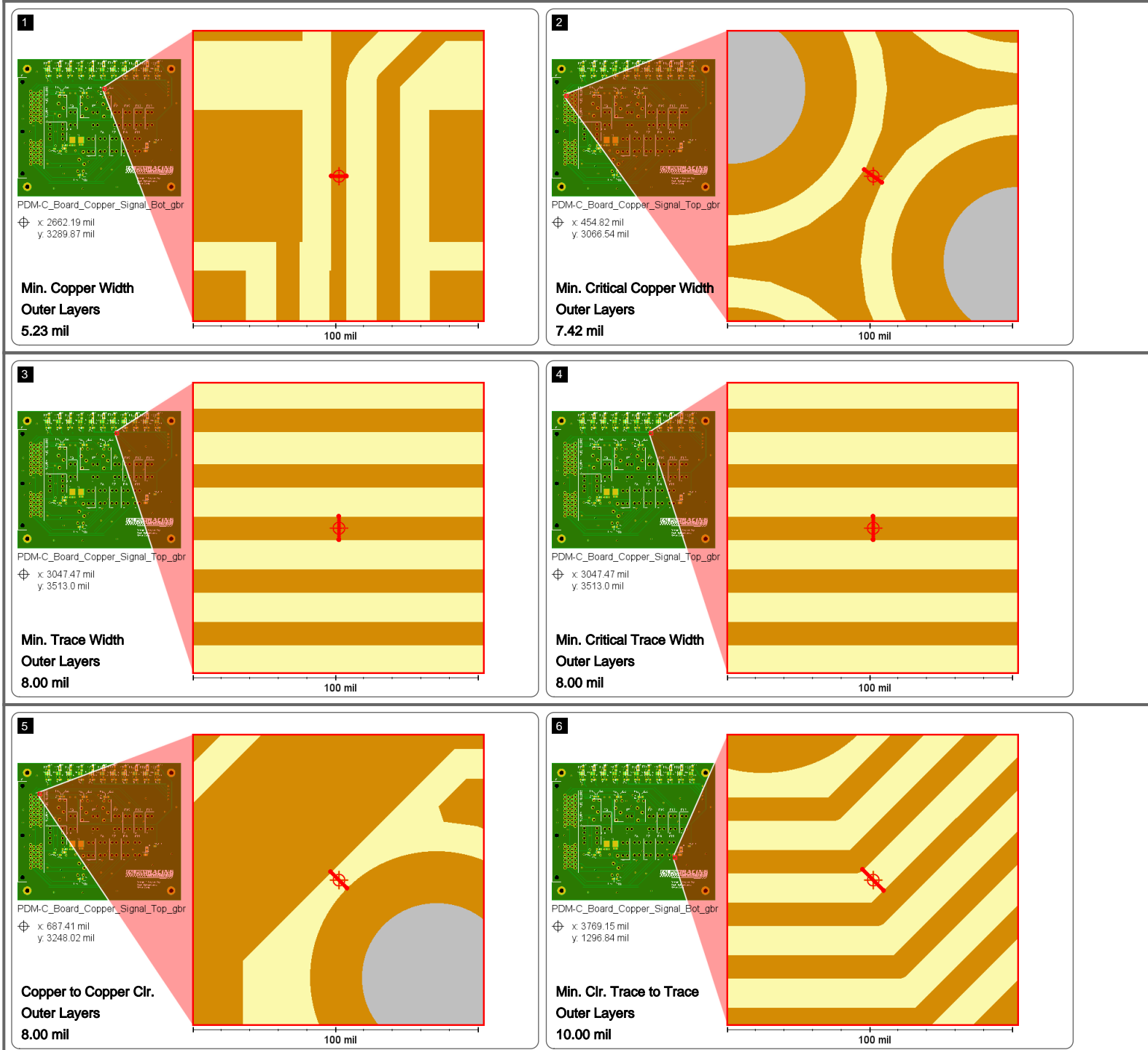
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Summary - Sequences - Original

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	216	0	11.00		21.00
Plated (Total)	1	13	28.00	125.00	216	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	222	0	11.00		10.00

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Summary Minimum Design Characteristics - Locations - Original



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PDM-C_Board_Copper_Signal_Top_gbr
⊕ x: 1278.35 mil
y: 3138.19 mil

**Min. Same Net Spacing
Outer Layers**
6.04 mil

100 mil

8

PDM-C_Board_Copper_Signal_Top_gbr
⊕ x: 878.03 mil
y: 3989.74 mil

**Min. Ring
Outer Layers**
11.00 mil

100 mil

9

PDM-C_Board_Copper_Signal_Top_gbr
⊕ x: 856.38 mil
y: 3780.1 mil

**Copper to Plated Clr.
Outer Layers**
21.00 mil

200 mil

10

PDM-C_Board_Copper_Signal_Top_gbr
⊕ x: 182.98 mil
y: 643.02 mil

**Clr. to NPTH
Outer Layers**
10.00 mil

100 mil

11

PDM-C_Board_Copper_Signal_Top_gbr
⊕ x: 15.29 mil
y: 4192.35 mil

**Copper to Outline Clr.
Outer Layers**
15.29 mil

100 mil

Stackup - Original



PDM-C_Board_Copper_Signal_Top_gl

PDM-C_Board_Copper_Signal_Bot_gk

Pressing Stages

1


















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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_Board_Copper_Signal_Top_gbr	1	5.27	7.42	8.00	8.00	8.00	10.00	6.04	11.00	21.00	10.00	15.29	18.8310	90
PDM-C_Board_Copper_Signal_Bot_gbr	2	5.23	8.00	8.00	8.00	8.00	10.00	9.27	11.00	21.00	10.00	15.29	19.1906	91

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Drill Tools - Original

File	Tool Nr.	Span	Type	Method	FilledVia	Countere d	Dia.	Tol. Min	Tol. Plus	Holes (in PCB)	Moves (in PCB)	Doubl e Hits (in File)	Predril I Hits (in File)	Min. Ring on Outer	Min. Ring on Inner	Min. Pad Size
							mil	mil	mil					mil	mil	mil
PDM- C_Board_NPTH _Drill_gbr	58	1-2	NPTH	unknow n	unknown	unknown	129.9 2	0.00	0.00	3	0	0	0	>32.0 0		
PDM- C_Board_NPTH _Drill_gbr	59	1-2	NPTH	unknow n	unknown	unknown	55.12	0.00	0.00	3	0	0	0	21.65		
PDM- C_Board_PTH _Drill_gbr	59	1-2	PTH	unknow n	unknown	unknown	55.12	0.00	0.00	9	0	0	0	21.65		98.42
PDM- C_Board_PTH _Drill_gbr	60	1-2	PTH	unknow n	unknown	unknown	66.93	0.00	0.00	8	0	0	0	13.78		94.49
PDM- C_Board_PTH _Drill_gbr	61	1-2	PTH	unknow n	unknown	unknown	66.93	0.00	0.00	44	0	0	0	13.78		94.49
PDM- C_Board_PTH _Drill_gbr	62	1-2	PTH	unknow n	unknown	unknown	51.18	0.00	0.00	60	0	0	0	17.72		86.62
PDM- C_Board_PTH _Drill_gbr	63	1-2	PTH	unknow n	unknown	unknown	30.00	0.00	0.00	1	0	0	0	15.00		60.00
PDM- C_Board_PTH _Drill_gbr	64	1-2	PTH	unknow n	unknown	unknown	30.00	0.00	0.00	1	0	0	0	15.00		60.00
PDM- C_Board_PTH _Drill_gbr	65	1-2	PTH	unknow n	unknown	unknown	30.00	0.00	0.00	1	0	0	0	15.00		60.00
PDM- C_Board_PTH _Drill_gbr	66	1-2	PTH	unknow n	unknown	unknown	125.0 0	0.00	0.00	1	0	0	0	>32.0 0		> 189.0 0
PDM- C_Board_PTH _Drill_gbr	67	1-2	PTH	unknow n	unknown	unknown	125.0 0	0.00	0.00	1	0	0	0	>32.0 0		> 189.0 0
PDM- C_Board_PTH _Drill_gbr	68	1-2	PTH	unknow n	unknown	unknown	125.0 0	0.00	0.00	1	0	0	0	>32.0 0		> 189.0 0
PDM- C_Board_PTH _Drill_gbr	69	1-2	PTH	unknow n	unknown	unknown	125.0 0	0.00	0.00	1	0	0	0	>32.0 0		> 189.0 0
PDM- C_Board_PTH _Drill_gbr	70	1-2	PTH	unknow n	unknown	unknown	43.31	0.00	0.00	8	0	0	0	17.72		78.75
PDM- C_Board_PTH _Drill_gbr	71	1-2	PTH	unknow n	unknown	unknown	28.00	0.00	0.00	80	0	0	0	11.00		50.00

Some holes of the following NPTH drill tools hit functional copper: 59

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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	216	11.00		21.00	126.00	disabled
All	Plated	13	28.00	125.00	216	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	222	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	>10.00	4.00	No	No	
Both	4.00	>10.00	>10.00	>10.00	4.00	No	No	No

Files - Original

Initial	Renamed	Format	Function	Position	Color
PDM-C_Board_Pads_Top.gbr	PDM-C_Board_Pads_Top_gbr	gerx2	pads	top	
PDM-C_Board_Paste_Top.gbr	PDM-C_Board_Paste_Top_gbr	gerx2	paste	top	
PDM-C_Board_Legend_Top.gbr	PDM-C_Board_Legend_Top_gbr	gerx2	silk	top	white
PDM-C_Board_Soldermask_Top.gbr	PDM-C_Board_Soldermask_Top_gbr	gerx2	mask	top	green
PDM-C_Board_Copper_Signal_Top.gbr	PDM-C_Board_Copper_Signal_Top_gbr	gerx2	outer	1	
PDM-C_Board_Copper_Signal_Bot.gbr	PDM-C_Board_Copper_Signal_Bot_gbr	gerx2	outer	2	
PDM-C_Board_Soldermask_Bot.gbr	PDM-C_Board_Soldermask_Bot_gbr	gerx2	mask	bottom	green
PDM-C_Board_Legend_Bot.gbr	PDM-C_Board_Legend_Bot_gbr	gerx2	silk	bottom	white
PDM-C_Board_Paste_Bot.gbr	PDM-C_Board_Paste_Bot_gbr	gerx2	paste	bottom	
PDM-C_Board_NPTH_Drill.gbr	PDM-C_Board_NPTH_Drill_gbr	gerx2	nonplated	1-2	
PDM-C_Board_PTH_Drill.gbr	PDM-C_Board_PTH_Drill_gbr	gerx2	plated	1-2	
PDM-C_Board_Pads_Bot.gbr	PDM-C_Board_Pads_Bot_gbr	gerx2	pads	bottom	
PDM-C_Board_Drawing_1.gbr	PDM-C_Board_Drawing_1_gbr	gerx2	drawing	none	
PDM-C_Board_Drillmap_1.gbr	PDM-C_Board_Drillmap_1_gbr	gerx2	drillmap	none	
PDM-C_Board_Profile.gbr	PDM-C_Board_Profile_gbr	gerx2	cad_outline	none	

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Input Remarks - Original

Gerber import: Non-standard .FileFunction attribute value Drawing, interpreted as extra layer 'PDM-C_Board_Drawing_1.gbr' (at line 1610)

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

Comments - Original