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Single PCB View - Original

Top View	Bottom View

1.3386 inch — 2.0866 inch (Top View)
1.3386 inch — 2.0866 inch (Bottom View)
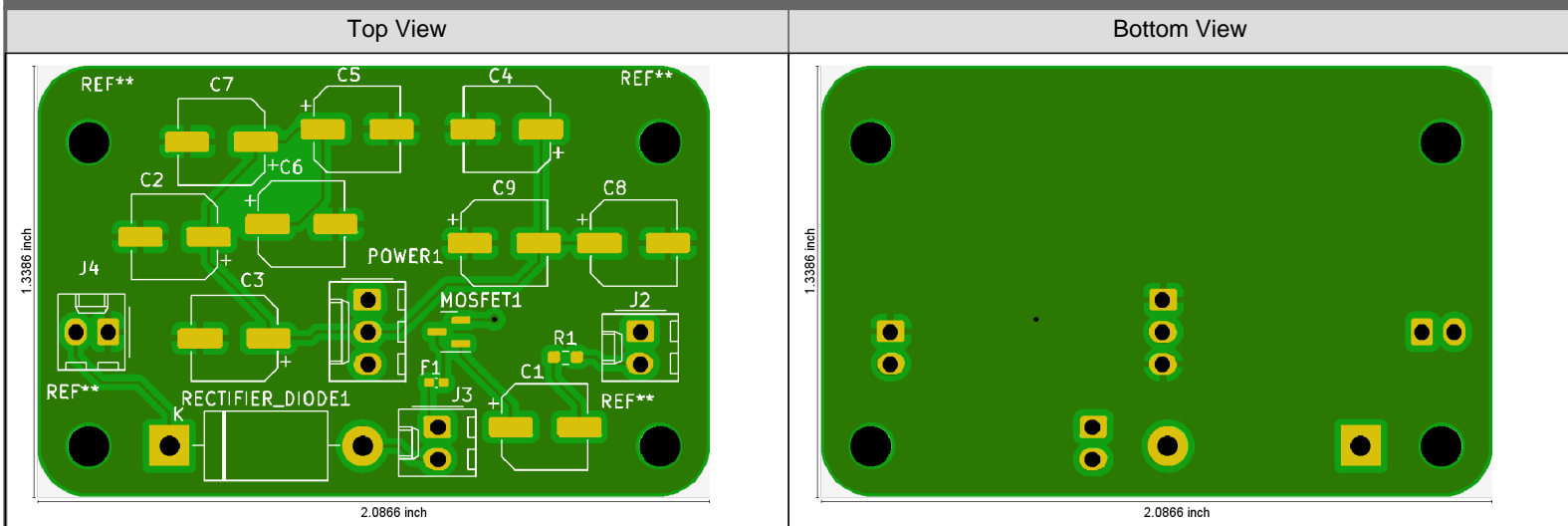
Summary - General - Original

PCB Size	2.087 inch x 1.339 inch	Customer Panel Size	
PCB Thickness	62 mil	Max. Aspect Ratio on PTH	3.9
Copper Layers	2	Pressing Stages	1
Surface Finish	unknown	Drill Hole Density	6 Holes/inch^2
Solder Mask	Both	Testable Points	47
Solder Mask Color	Green	Min. SMD/BGA Size	23.62 mil
Legend	Top Only	Via in Pad	No
Legend Color	White	Stacked Vias	
Edge Connector Area	0 inch^2	Castellated	No
Peeloff Mask	No	Anomalies	No
Carbon Mask	No		

Summary - Copper Layer Minima - Original

Type	Copper Width	Critical Copper Width	Trace Width	Critical Trace Width	Copper to Copper Clr.	Trace to Trace Clr.	Same Net Clr.	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] 9.84	[2] 9.84	[3] 9.84	[4] 9.84	[5] 11.68	>32.00	[6] 19.68	[7] 7.87	[8] 27.89	[9] 9.86	[10] 10.02

Summary - Sequences - Original

Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Routs	Ring on Outer	Ring on Inner	Hole to Copper Clr.
			mil	mil			mil	mil	mil
PTH	1	3	15.75	62.99	12	0	7.87		27.89
NPTH	1	1	125.98	125.98	4	0	>32.00		9.86
Total	2	4	15.75	125.98	16	0	7.87		9.86

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Solder Mask - Original

Side	Mask to Mask Clr.	Web	Ring on Cu Defined Pads	Ring on SM Defined Pads	Mask to Copper Clr.	Mask Opening	Fully Covered Via Holes	Partly Covered Via Holes	One Side Covered Vias	Both Sides Covered Vias	No Side Covered Vias
	mil	mil	mil	mil	mil	mil					
Top	>10.00	>10.00	>10.00	>10.00	9.86	23.62	Yes	No			
Bottom	>10.00	>10.00	>10.00	>10.00	9.86	68.50	Yes	No			
Both	>10.00	>10.00	>10.00		9.86	23.62	Yes	No	No	Yes	No

Stackup - Original

legend	HornsBoardv1-F_Silkscreen_gbr
soldermask	HornsBoardv1-F_Mask_gbr
1	HornsBoardv1-F_Cu_gbr
2	HornsBoardv1-B_Cu_gbr
soldermask	HornsBoardv1-B_Mask_gbr
	HornsBoardv1-NPTH_drl
	HornsBoardv1-PTH_drl
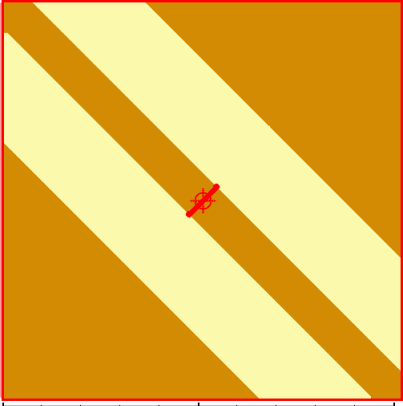
Pressing Stages	1

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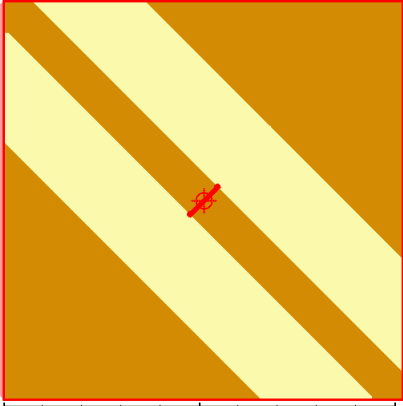## Summary Minimum Design Characteristics - Locations - Original

1

HornsBoardv1-F_Cu_gbr
x: 3196.46 mil
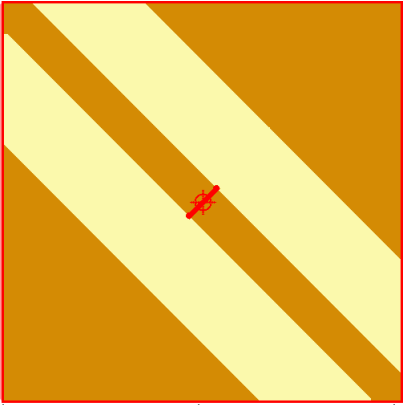y: -3905.12 mil

Copper Width
Outer Layers
9.84 mil

100 mil

2

HornsBoardv1-F_Cu_gbr
x: 3196.46 mil
y: -3905.12 mil

Critical Copper Width
Outer Layers
9.84 mil

100 mil
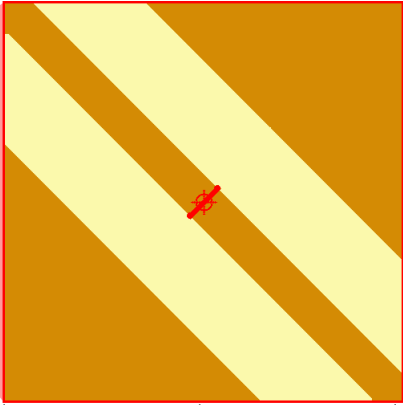
3

HornsBoardv1-F_Cu_gbr
x: 3196.46 mil
y: -3905.12 mil

Trace Width
Outer Layers
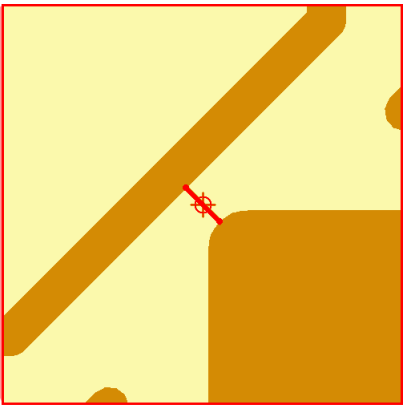**9.84 mil**

100 mil

4

HornsBoardv1-F_Cu_gbr
x: 3196.46 mil
y: -3905.12 mil

Critical Trace Width
Outer Layers
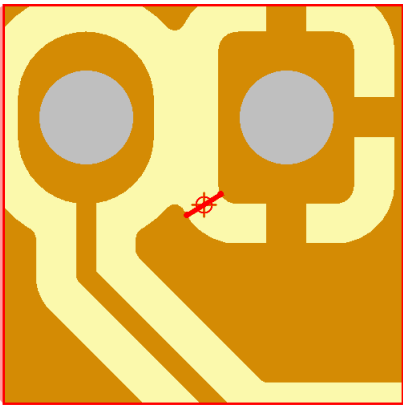**9.84 mil**

100 mil

5

HornsBoardv1-F_Cu_gbr
x: 3689.7 mil
y: -3333.4 mil

Copper to Copper Clr.
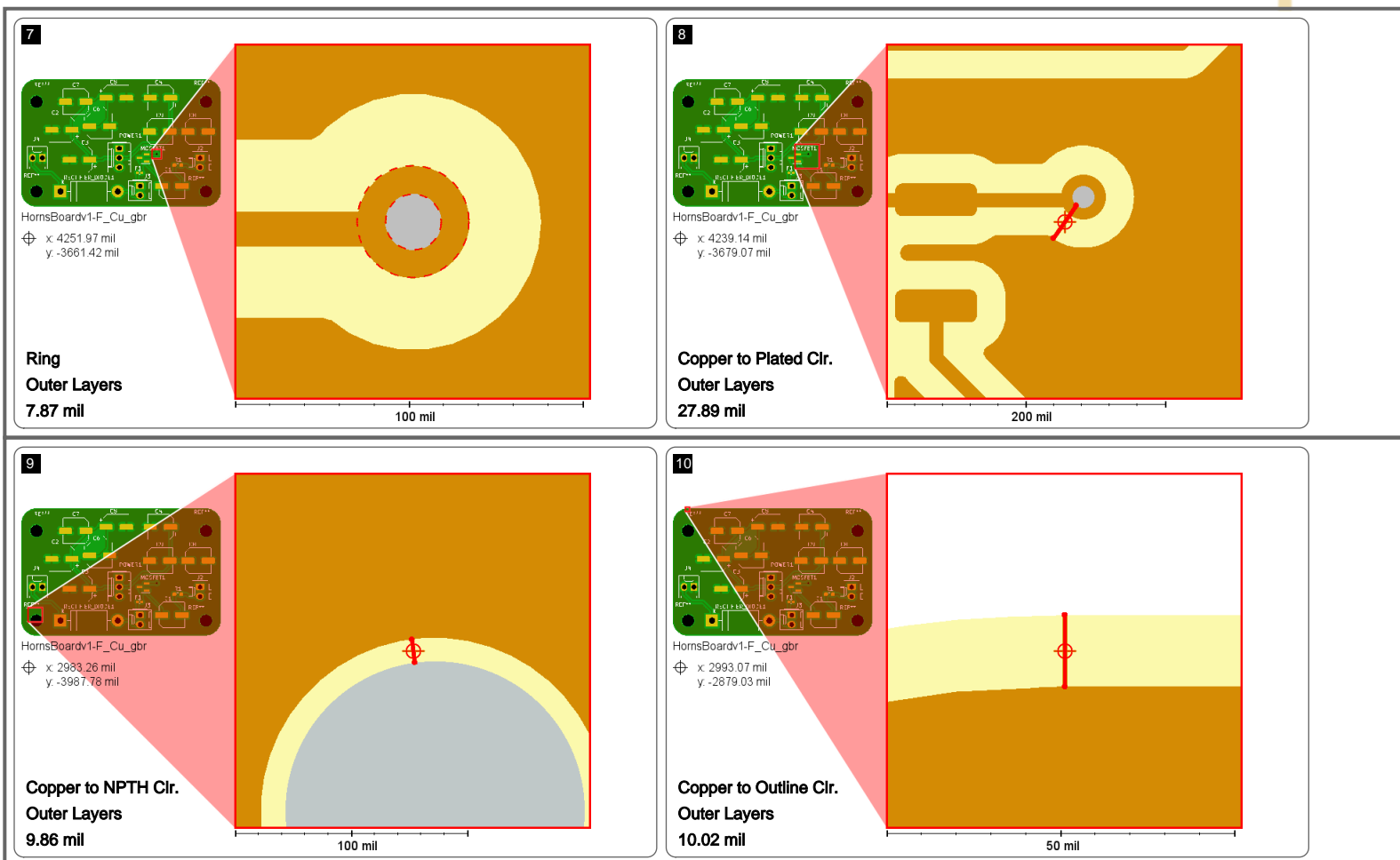**Outer Layers**
11.68 mil

100 mil

6

HornsBoardv1-F_Cu_gbr
x: 3011.59 mil
y: -3744.39 mil

Same Net Clr.
Outer Layers
19.68 mil

200 mil

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7 HornsBoardv1-F_Cu_gbr
x: 4251.97 mil
y: -3661.42 mil
Ring
Outer Layers
7.87 mil
100 mil

8 HornsBoardv1-F_Cu_gbr
x: 4239.14 mil
y: -3679.07 mil
Copper to Plated Clr.
Outer Layers
27.89 mil
200 mil

9 HornsBoardv1-F_Cu_gbr
x: 2983.26 mil
y: -3987.78 mil
Copper to NPTH Clr.
Outer Layers
9.86 mil
100 mil

10 HornsBoardv1-F_Cu_gbr
x: 2993.07 mil
y: -2879.03 mil
Copper to Outline Clr.
Outer Layers
10.02 mil
50 mil

Copper Layer Minima & Area - Original

File	Pos.	Copper Width	Critical Copper Width	Trace Width	Critical Trace Width	Copper to Copper Clr.	Same Net Clr.	Copper Area	
		mil	mil	mil	mil	mil	mil	inch^2	%
HornsBoardv1-F_Cu_gbr	1	9.84	9.84	9.84	9.84	11.68	19.68	2.2286	80
HornsBoardv1-B_Cu_gbr	2	>16.00	>16.00	>16.00	>16.00	20.02	19.68	2.5638	92

Copper Layer Minima - Copper to Drill Minima - Original

File	Pos.	Ring					Copper to Drill Clr.		Copper to Outline Clr.			
		Overall	Via	Laser Via	Comp.	Mech.	Plated	NPTH	Overall	to Pad	to Trace	to Region
		mil	mil	mil	mil	mil	mil	mil	mil	mil	mil	mil
HornsBoardv1-F_Cu_gbr	1	7.87	7.87		10.83		27.89	9.86	10.02	61.02	>64.00	10.02
HornsBoardv1-B_Cu_gbr	2	10.83	>32.00		10.83		30.85	9.86	10.02	>64.00	>64.00	10.02

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Drill Tools - Original

File	Tool Nr.	Span	Type	Function	Method	Filled Via	Counter	Dia.	Tol. -	Tol. +	Holes in PCB	Routs in PCB	Double Hits	Predrill Hits
								mil	mil	mil				
HornsBoardv1-NPTH_drl	1	1-2	NPTH	mech.	mech.	unknown	unknown	125.98	0.00	0.00	4	0	0	0
HornsBoardv1-PTH_drl	1	1-2	PTH	via	mech.	unknown	unknown	15.75	0.00	0.00	1	0	0	0
HornsBoardv1-PTH_drl	2	1-2	PTH	comp.	mech.	unknown	unknown	46.85	0.00	0.00	9	0	0	0
HornsBoardv1-PTH_drl	3	1-2	PTH	comp.	mech.	unknown	unknown	62.99	0.00	0.00	2	0	0	0

Drill Tools - Drill vs Copper - Original

File	Tool Nr.	Span	Type	Function	Method	Dia.	Ring on Outer	Ring on Inner	Min. Pad Size	Via in Pad	Plated to Copper Clr. Overall	to Pad	to Trace	to Region
						mil	mil	mil	mil		mil	mil	mil	mil
HornsBoardv1-NPTH_drl	1	1-2	NPTH	mech.	mech.	125.98	>32.00							
HornsBoardv1-PTH_drl	1	1-2	PTH	via	mech.	15.75	7.87		31.49	0	27.89	>32.00	>32.00	27.89
HornsBoardv1-PTH_drl	2	1-2	PTH	comp.	mech.	46.85	10.83		68.51		30.85	>32.00	>32.00	30.85
HornsBoardv1-PTH_drl	3	1-2	PTH	comp.	mech.	62.99	31.50		125.99		>32.00	>32.00	>32.00	>32.00

Sequences - Original

Span	Type	Tools	Min. End Dia.	Max. End Dia.	Holes	Ring on Outer	Ring on Inner	Hole to Copper Clr.	Hole to Outline Clr.	Slot to Outline Clr.
			mil	mil		mil	mil	mil	mil	mil
1-2	PTH	3	15.75	62.99	12	7.87		27.89	93.11	>256.00
1-2	NPTH	1	125.98	125.98	4	>32.00		9.86	94.48	>256.00
All	All	4	15.75	125.98	16	7.87		9.86	93.11	>256.00

Rout Tools - Original

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

Routed Holes - Original

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

QED Report — Integr8tor

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Files - Original

Initial	Renamed	Function	Position	Color	Thickness Base	Thickness Finished
					mil	mil
HornsBoardv1-F_Paste.gbr		paste	top			
HornsBoardv1-F_Silkscreen.gbr		silk	top	white	unknown	unknown
HornsBoardv1-F_Mask.gbr		mask	top	green	unknown	unknown
HornsBoardv1-F_Cu.gbr		outer	1		unknown	unknown
HornsBoardv1-B_Cu.gbr		outer	2		unknown	unknown
HornsBoardv1-B_Mask.gbr		mask	bottom	green	unknown	unknown
HornsBoardv1-NPTH.drl		nonplated	1-2			
HornsBoardv1-PTH.drl		plated	1-2			
HornsBoardv1-B_Paste.gbr		empty	none			
HornsBoardv1-B_Silkscreen.gbr		empty	none			
HornsBoardv1-Edge_Cuts.gbr		cad_outline	none			

Input Remarks - Original

Gerber import: Invalid coincident draw, continuing without cleanup 'HornsBoardv1-B_Cu.gbr'

Gerber import: Invalid contour, continuing with an interpretation. Cannot be cleaned up automatically. Must be cleaned up manually. 'HornsBoardv1-B_Cu.gbr' (at line 1093)

Gerber import: Invalid coincident draw, continuing without cleanup 'HornsBoardv1-F_Cu.gbr'

Gerber import: Invalid contour, continuing with an interpretation. Cannot be cleaned up automatically. Must be cleaned up manually. 'HornsBoardv1-F_Cu.gbr' (at line 2760)

Comments - Original