

Name	or175c54.zip	Id.	40731 - QED OK
Report Generated on	Mar 11, 2020 9:49:06 PM	Customer	InstantDFM
Board Id			

Single PCB View - Original

Top View	Bottom View

Summary - General - Original

PCB Size	1.2600 inch x 2.0000 inch	Surface Finish	unknown
PCB Thickness	62.00 mil	Max. Aspect Ratio on PTH	3.9
Customer Panel Size		Number of Nets	12
Copper Layers	2	Electrical Test	Single Sided
Solder Mask	Both	Drilled SMD Pads	No
Solder Mask Color	Green	SMD Pads Top	16
Legend	Top Only	SMD Pads Bottom	0
Legend Color	White	BGA Pads Top	0
Peeloff Mask	None	BGA Pads Bottom	0
Carbon Mask	None	Drill Hole Density	12 Holes/inch ²
Edge Connectors	No		

Summary - Copper Layer Minima - Original

Layer Type	Copper Width	Critical Copper Width	Trace Width	Critical Trace Width	Copper to Copper Clr.	Trace to Trace	Same Net Clr.	Ring	Plated	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 7.87	>20.00	>20.00	⁶ 7.90	⁷ 21.63	⁸ 42.65	⁹ 2.36

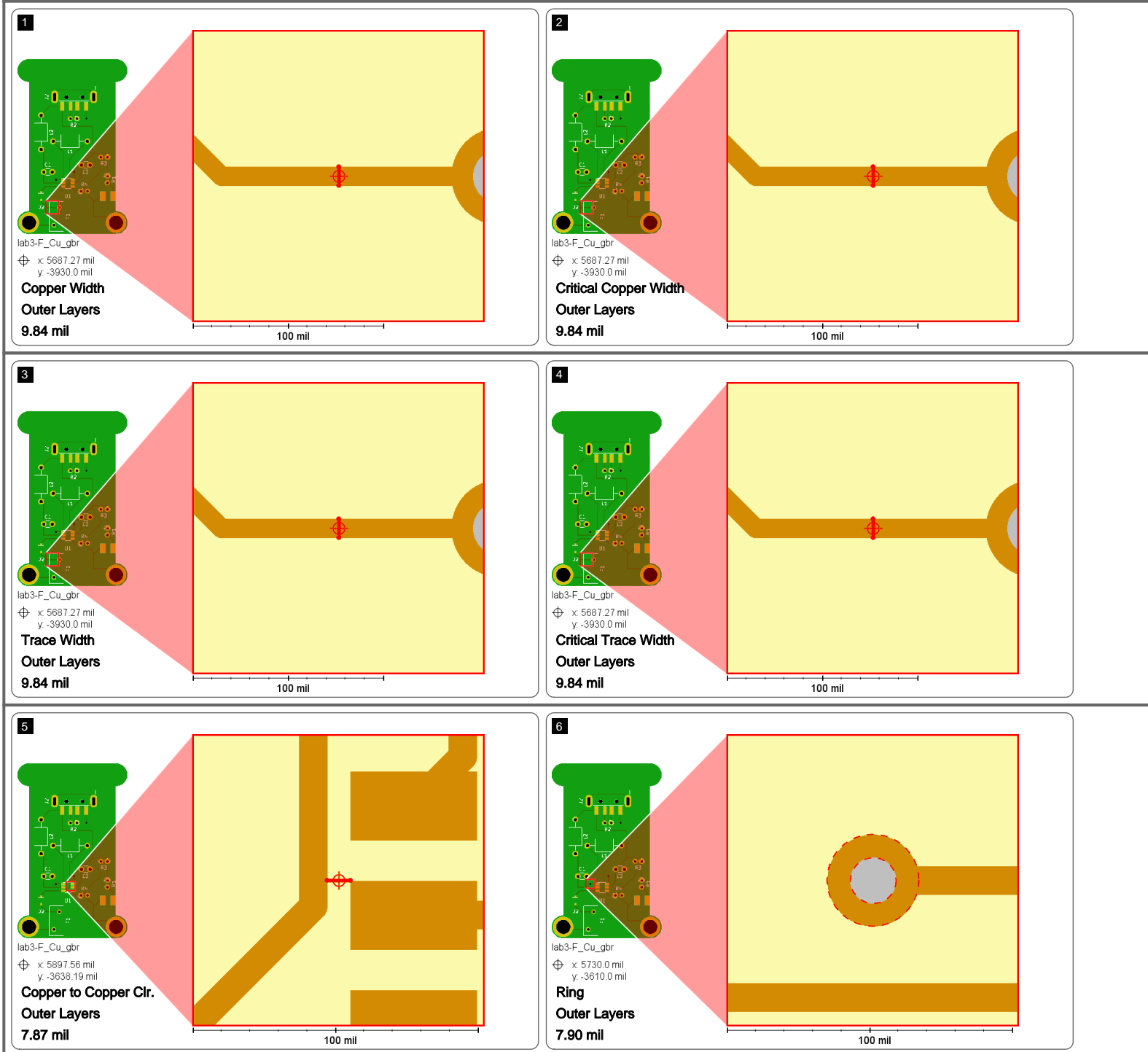
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Summary - Sequences - Original

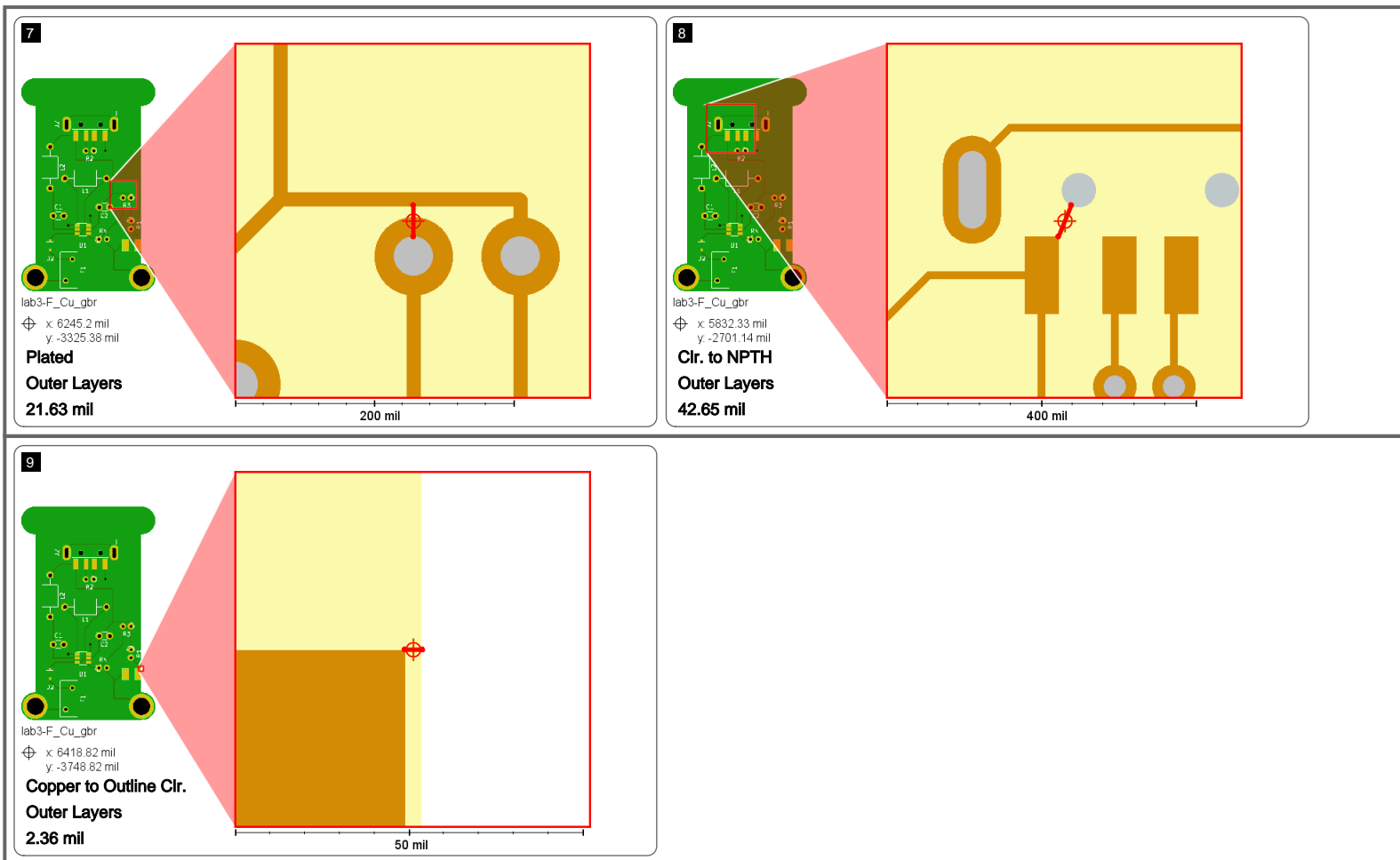
Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Moves	Min. Ring on Outer	Min. Ring on Inner	Min. Hole to Copper Clr.
			mil	mil			mil	mil	mil
PTH	1	6	15.70	160.00	23	2	7.90		21.63
NPTH	1	1	43.30	43.30	2	0	>32.00		42.65
Total	2	7	15.70	160.00	25	2	7.90		21.63

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Summary Minimum Design Characteristics - Locations - Original



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Stackup - Original



Pressing Stages

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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	%
lab3-F_Cu_gbr	1	9.84	9.84	9.84	9.84	7.87	>20.00	0.2469	12
lab3-B_Cu_gbr	2	9.84	9.84	9.84	9.84	7.87	>20.00	0.1675	8

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Copper Layer Minima - Copper vs Drill - Original

File	Pos.	Ring					Copper vs Drill Clr.		Copper to Outline Clr.			
		Overall	Via	Laser Via	Comp.	Mech.	Plated	NPTH	Overall	Pad to Outline	Track to Outline	Region to Outline
		mil	mil	mil	mil	mil	mil	mil	mil	mil	mil	mil
lab3-F_Cu_gbr	1	7.90	7.90		11.00		21.63	42.65	2.36	2.36	26.97	>64.00
lab3-B_Cu_gbr	2	7.90	7.90		11.00		21.63	>64.00	14.94	14.94	>64.00	>64.00

Drill Tools - Original

File	Tool Nr.	Span	Type	Method	Filled Via	Counter	Dia.	Tol. Min	Tol. Plus	Holes (in PCB)	Moves (in PCB)	Double Hits (in File)	Predrill Hits (in File)
							mil	mil	mil				
lab3-NPTH_drl	1	1-2	NPTH	unknown	unknown	unknown	43.30	0.00	0.00	2	0	0	0
lab3-PTH_drl	1	1-2	PTH	unknown	unknown	unknown	15.70	0.00	0.00	3	0	0	0
lab3-PTH_drl	2	1-2	PTH	unknown	unknown	unknown	27.60	0.00	0.00	8	0	0	0
lab3-PTH_drl	3	1-2	PTH	unknown	unknown	unknown	28.00	0.00	0.00	2	0	0	0
lab3-PTH_drl	4	1-2	PTH	unknown	unknown	unknown	31.50	0.00	0.00	4	0	0	0
lab3-PTH_drl	5	1-2	PTH	unknown	unknown	unknown	33.50	0.00	0.00	4	0	0	0
lab3-PTH_drl	6	1-2	PTH	unknown	unknown	unknown	35.40	unknown	unknown	0	2	0	0
lab3-PTH_drl	7	1-2	PTH	unknown	unknown	unknown	160.00	0.00	0.00	2	0	0	0

Drill Tools - Drill vs Copper - Original

File	Tool Nr.	Span	Type	Method	Dia.	Min. Ring on Outer	Min. Ring on Inner	Min. Pad Size
					mil	mil	mil	mil
lab3-NPTH_drl	1	1-2	NPTH	unknown	43.30	>32.00		
lab3-PTH_drl	1	1-2	PTH	unknown	15.70	7.90		31.50
lab3-PTH_drl	2	1-2	PTH	unknown	27.60	13.76		55.12
lab3-PTH_drl	3	1-2	PTH	unknown	28.00	11.00		50.00
lab3-PTH_drl	4	1-2	PTH	unknown	31.50	15.75		63.00
lab3-PTH_drl	5	1-2	PTH	unknown	33.50	14.75		63.00
lab3-PTH_drl	6	1-2	PTH	unknown	35.40	unknown		> 99.40
lab3-PTH_drl	7	1-2	PTH	unknown	160.00	>32.00		> 224.00

Sequences - Original

Span	Type	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Hole to Copper Clr.	Min. Hole to Outline Clr.	Min. Slot to Outline Clr.
			mil	mil		mil	mil	mil	mil	mil
1-2	PTH	6	15.70	160.00	23	7.90		21.63	49.94	disabled
1-2	NPTH	1	43.30	43.30	2	>32.00		42.65	>256.00	disabled
All	All	7	15.70	160.00	25	7.90		21.63	49.94	disabled

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Rout Tools - Original

File	Tool Nr.	Type	Tool Dia.	End Dia.	Draw Length	Nibble Count
			mil	mil	mil	
lab3-PTH_drl	6	PTH	unknown	35.40	125.80	34

Routed Holes - Original

File	Hole Nr.	Instances	X Size	Y Size	Draw Length	Nibble Count
			mil	mil	mil	
lab3-PTH_drl	1	2	35.40	98.30	62.90	17
All		2			62.90	17

Solder Mask - Original

Side	Min. Mask to Mask Clr.	Min. Web	Min. Ring on Cu Defined Pads	Min. Ring on SM Defined Pads	Min. Mask to Copper Clr.	Fully Covered Via Holes	Partly Covered Via Holes	Half Mask Vias
	mil	mil	mil	mil	mil			
Top	>10.00	9.78	2.00	>10.00	5.87	Yes	No	
Bottom	>10.00	>10.00	2.00	>10.00	5.87	Yes	No	
Both	>10.00	9.78	2.00	>10.00	5.87	Yes	No	No

Files - Original

Initial	Renamed	Format	Function	Position	Color
lab3-F_Paste.gbr	lab3-F_Paste_gbr	ger274x	paste	top	
lab3-F_SilkS.gbr	lab3-F_SilkS_gbr	ger274x	silk	top	white
lab3-F_Mask.gbr	lab3-F_Mask_gbr	ger274x	mask	top	green
lab3-F_Cu.gbr	lab3-F_Cu_gbr	ger274x	outer	1	
lab3-B_Cu.gbr	lab3-B_Cu_gbr	ger274x	outer	2	
lab3-B_Mask.gbr	lab3-B_Mask_gbr	ger274x	mask	bottom	green
lab3-NPTH.drl	lab3-NPTH_drl	excellon2	nonplated	1-2	
lab3-PTH.drl	lab3-PTH_drl	excellon2	plated	1-2	
lab3-Edge_Cuts.gbr	lab3-Edge_Cuts_gbr	ger274x	cad_outline	none	

Comments - Original

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