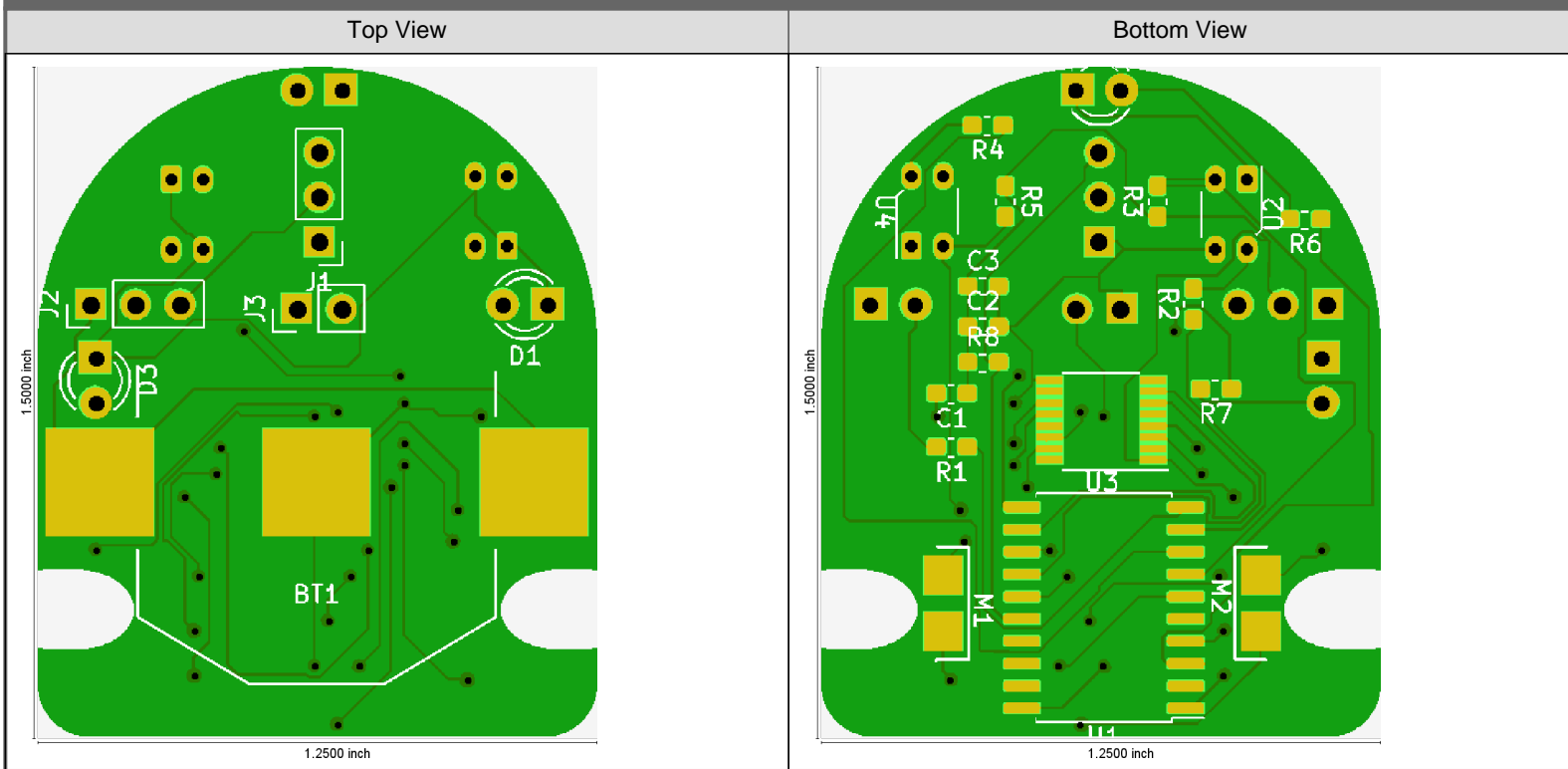


Name	9a1bdqid.zip	Id.	41308 - QED OK
Report Generated on	Apr 8, 2020 10:35:51 PM	Customer	InstantDFM
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Single PCB View - Original



Summary - General - Original

PCB Size	1.2500 inch x 1.5000 inch	Surface Finish	unknown
PCB Thickness	62.00 mil	Max. Aspect Ratio on PTH	3.9
Customer Panel Size		Number of Nets	27
Copper Layers	2	Electrical Test	Double Sided
Solder Mask	Both	Drilled SMD Pads	No
Solder Mask Color	Green	SMD Pads Top	3
Legend	Both	SMD Pads Bottom	20
Legend Color	White	BGA Pads Top	0
Peeloff Mask	None	BGA Pads Bottom	0
Carbon Mask	None	Drill Hole Density	29 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 6.00	² 6.00	³ 6.00	⁴ 6.00	⁵ 6.00	⁶ 6.00	⁷ 3.54	⁸ 7.82	⁹ 13.85		¹⁰ 9.37

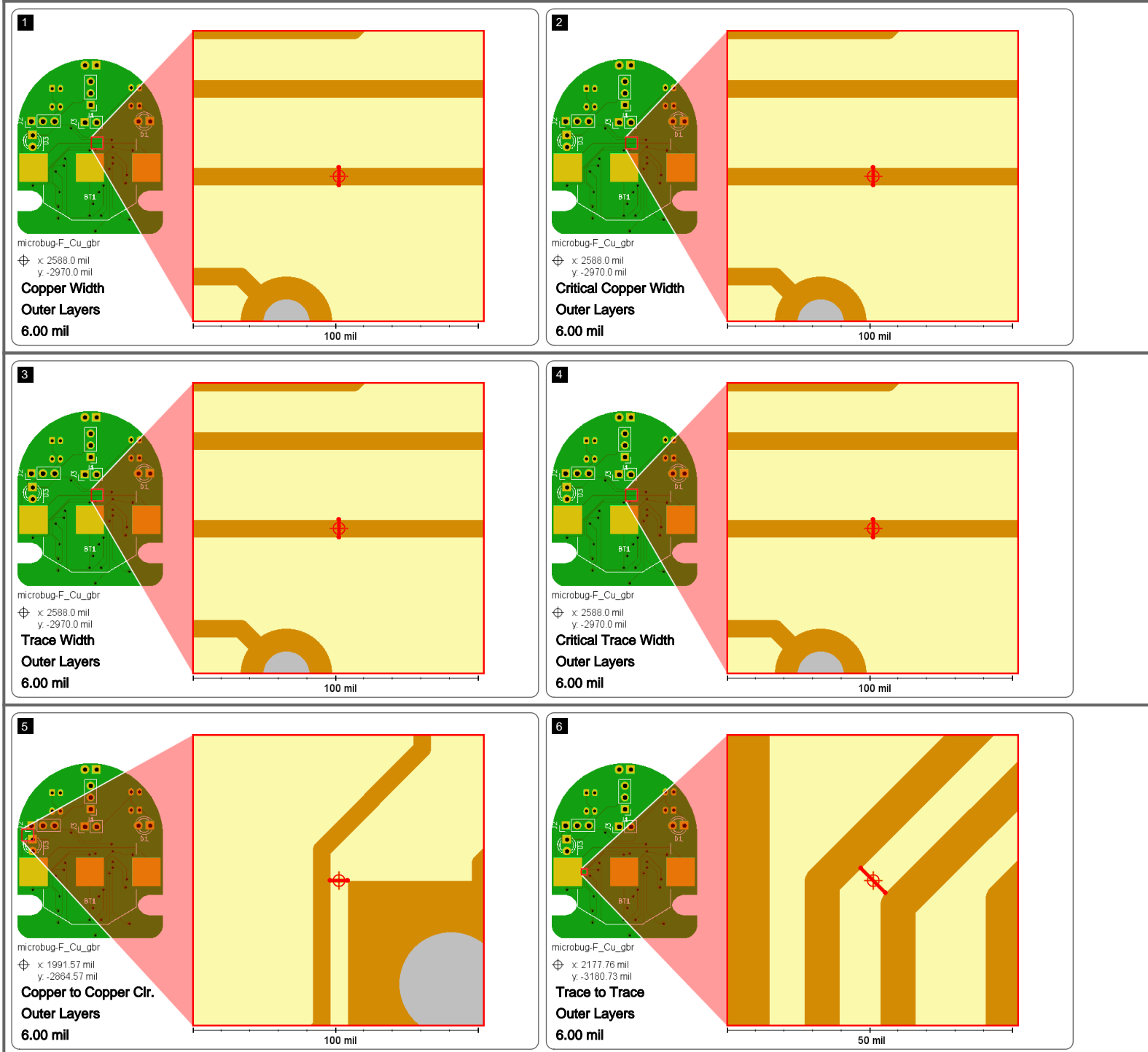
Name	9a1bdqid.zip	Id.	41308 - QED OK
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Summary - Sequences - Original

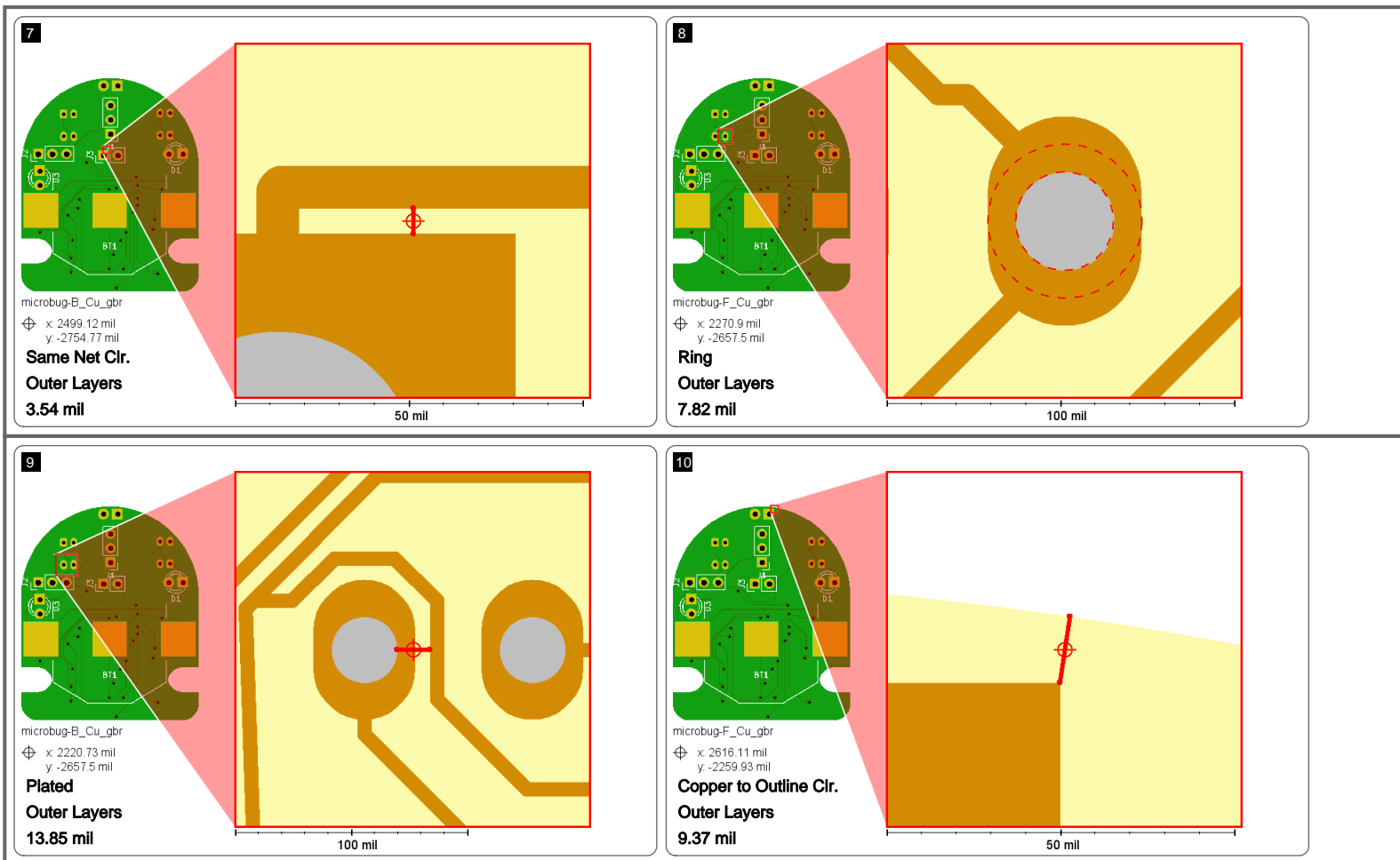
Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Moves	Min. Ring on Outer	Min. Ring on Inner	Min. Hole to Copper Clr.
			mil	mil			mil	mil	mil
PTH	1	4	15.70	39.40	47	0	7.82		13.85
Total	1	4	15.70	39.40	47	0	7.82		13.85

Name	9a1bdqid.zip	Id.	41308 - QED OK
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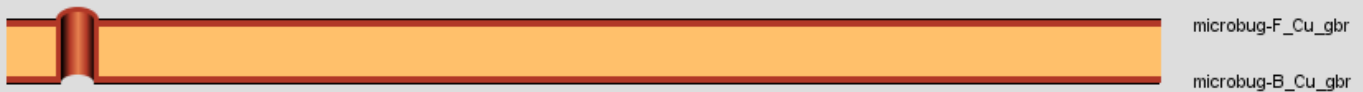
Summary Minimum Design Characteristics - Locations - Original



Name	9a1bdqid.zip	Id.	41308 - QED OK
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Stackup - Original



Pressing Stages

1

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	%
microbug-F_Cu_gbr	1	6.00	6.00	6.00	6.00	6.00	>20.00	0.3262	20
microbug-B_Cu_gbr	2	6.00	6.00	6.00	6.00	6.00	3.54	0.3204	20

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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
microbug-F_Cu_gbr	1	7.82	7.90		7.82		13.90		9.37	9.37	25.84	>64.00
microbug-B_Cu_gbr	2	7.82	7.90		7.82		13.85		9.37	9.37	15.27	30.41

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				
microbug-PTH_drl	1	1-2	PTH	unknown	unknown	unknown	15.70	0.00	0.00	25	0	0	0
microbug-PTH_drl	2	1-2	PTH	unknown	unknown	unknown	27.60	0.00	0.00	8	0	0	0
microbug-PTH_drl	3	1-2	PTH	unknown	unknown	unknown	35.40	0.00	0.00	6	0	0	0
microbug-PTH_drl	4	1-2	PTH	unknown	unknown	unknown	39.40	0.00	0.00	8	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
microbug-PTH_drl	1	1-2	PTH	unknown	15.70	7.90		31.50
microbug-PTH_drl	2	1-2	PTH	unknown	27.60	7.82		43.24
microbug-PTH_drl	3	1-2	PTH	unknown	35.40	17.73		70.86
microbug-PTH_drl	4	1-2	PTH	unknown	39.40	13.76		66.92

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	4	15.70	39.40	47	7.82		13.85	21.00	disabled
All	All	4	15.70	39.40	47	7.82		13.85	21.00	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	

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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	>10.00	2.01	>10.00	3.99	Yes	No	
Bottom	>10.00	>10.00	2.01	>10.00	2.45	Yes	No	
Both	>10.00	>10.00	2.01	>10.00	2.45	Yes	No	No

Files - Original

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

Comments - Original