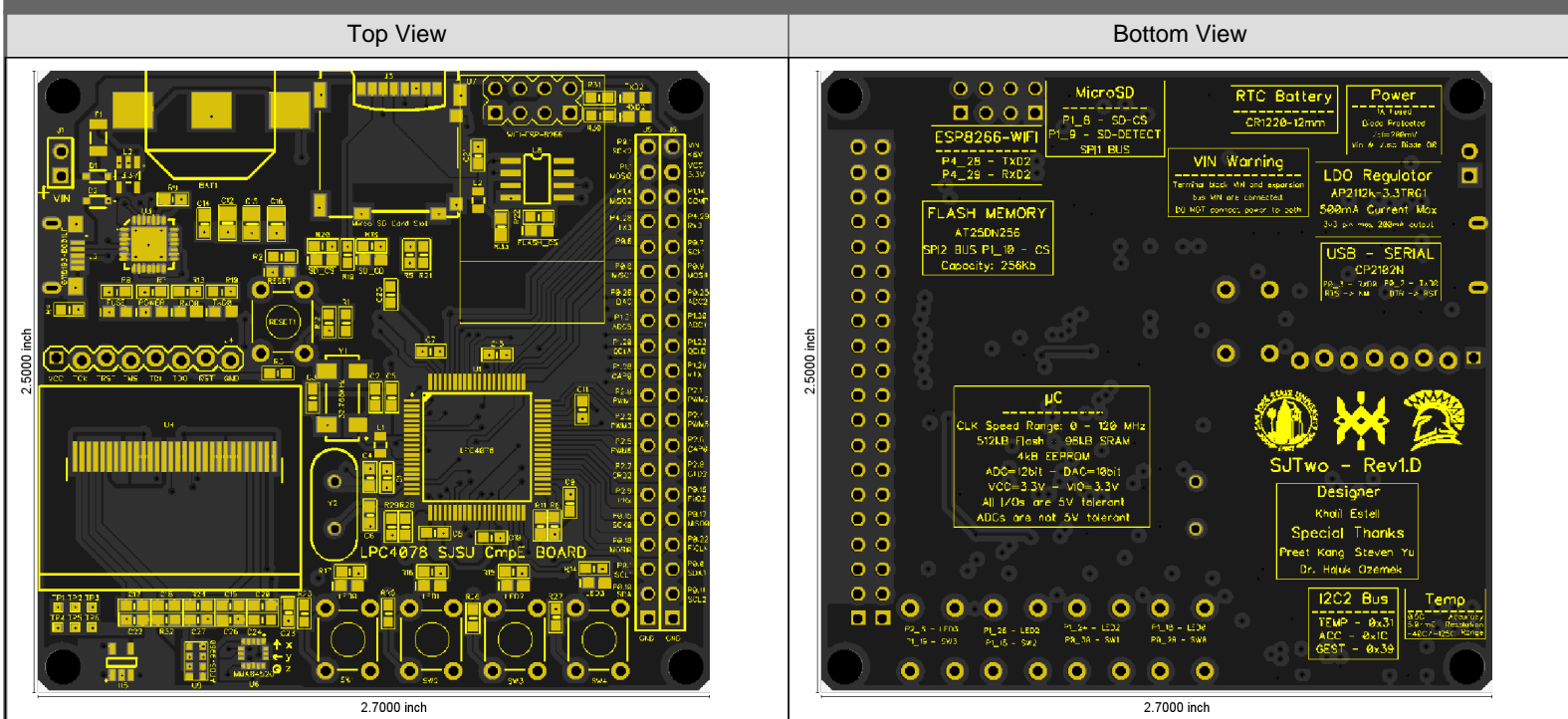


Name	hupe9i5x.zip	Id.	26055 - QED OK
Report Generated on	Sep 17, 2018 7:24:28 AM	Customer	InstantDFM
Board Id			

## Single PCB View - Original



## Summary - General - Original

PCB Size	2.7000 inch x 2.5000 inch	Copper Layers	4
PCB Thickness	62.00 mil	Solder Mask	Both
Customer Panel Size		Solder Mask Color	Black
SMD Pads Top	374	Legend	Both
SMD Pads Bottom	2	Legend Color	Yellow
SMD Density Top	55 SMD/inch <sup>2</sup>	Peeloff Mask	None
SMD Density Bottom	0 SMD/inch <sup>2</sup>	Carbon Mask	None
Number of Nets	140	Drill Hole Density	37 Holes/inch <sup>2</sup>
Electrical Test	Double Sided	Holes in SMD Pads	Yes
Max. Aspect Ratio on PTH	5.6	Edge Connectors	No
		Surface Finish	

## Summary - Copper Layers - Original

Layer Type	Min. Line Width	Min. Copper Width	Min. Ring	Min. Clr. to Copper	Min. Clr. to Plated Hole	Min. Clr. to NPTH	Min. Clr. to Outline
	mil	mil	mil	mil	mil	mil	mil
Outer	1 6.00	2 4.31	3 6.12	4 6.14	5 13.34	6 29.54	7 17.12
Inner	8 6.00	9 6.00	10 6.12	11 6.22	12 14.31	13 38.75	14 19.86

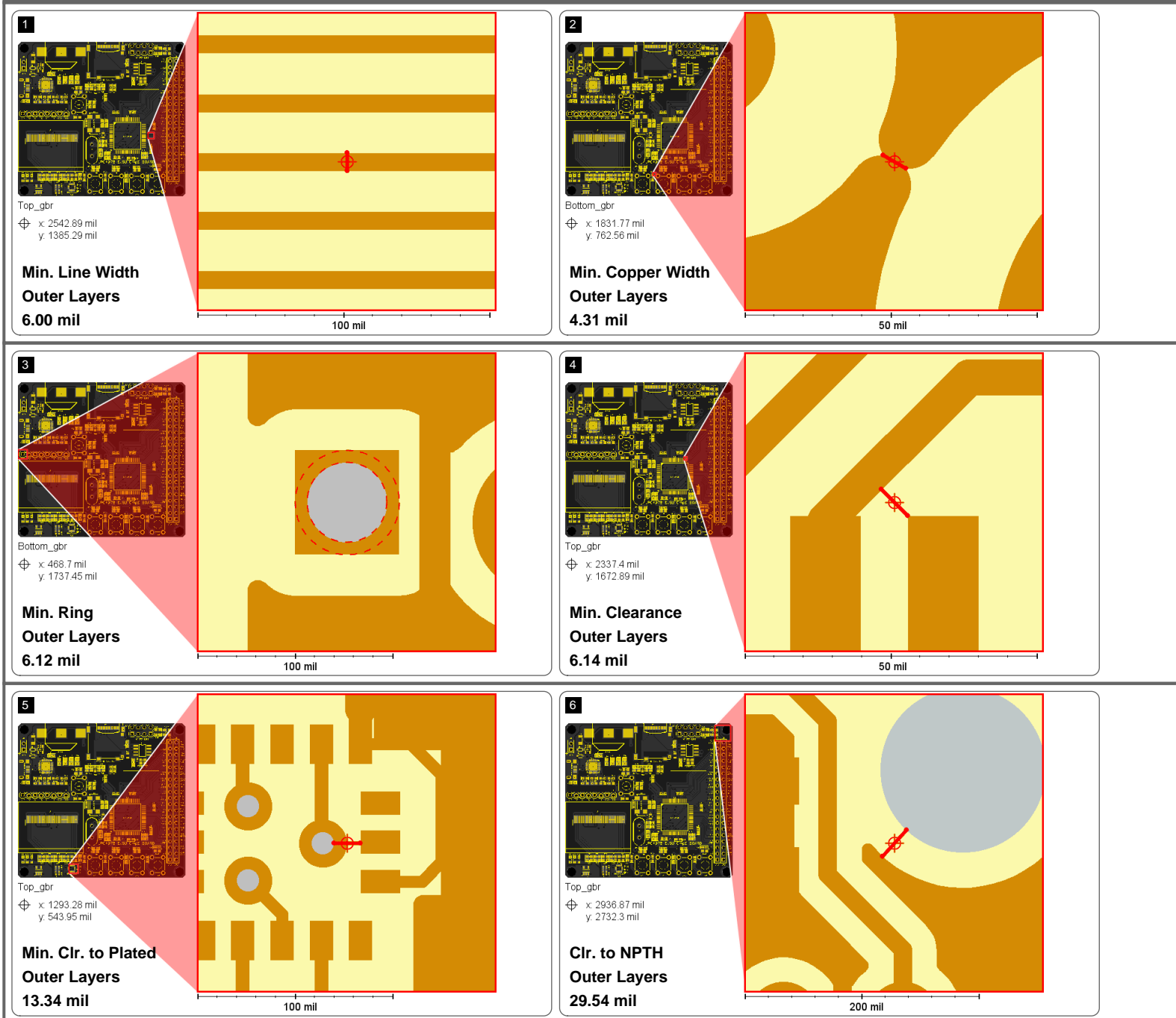
Name	hupe9i5x.zip	Id.	26055 - QED OK
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## Summary - Sequences - Original

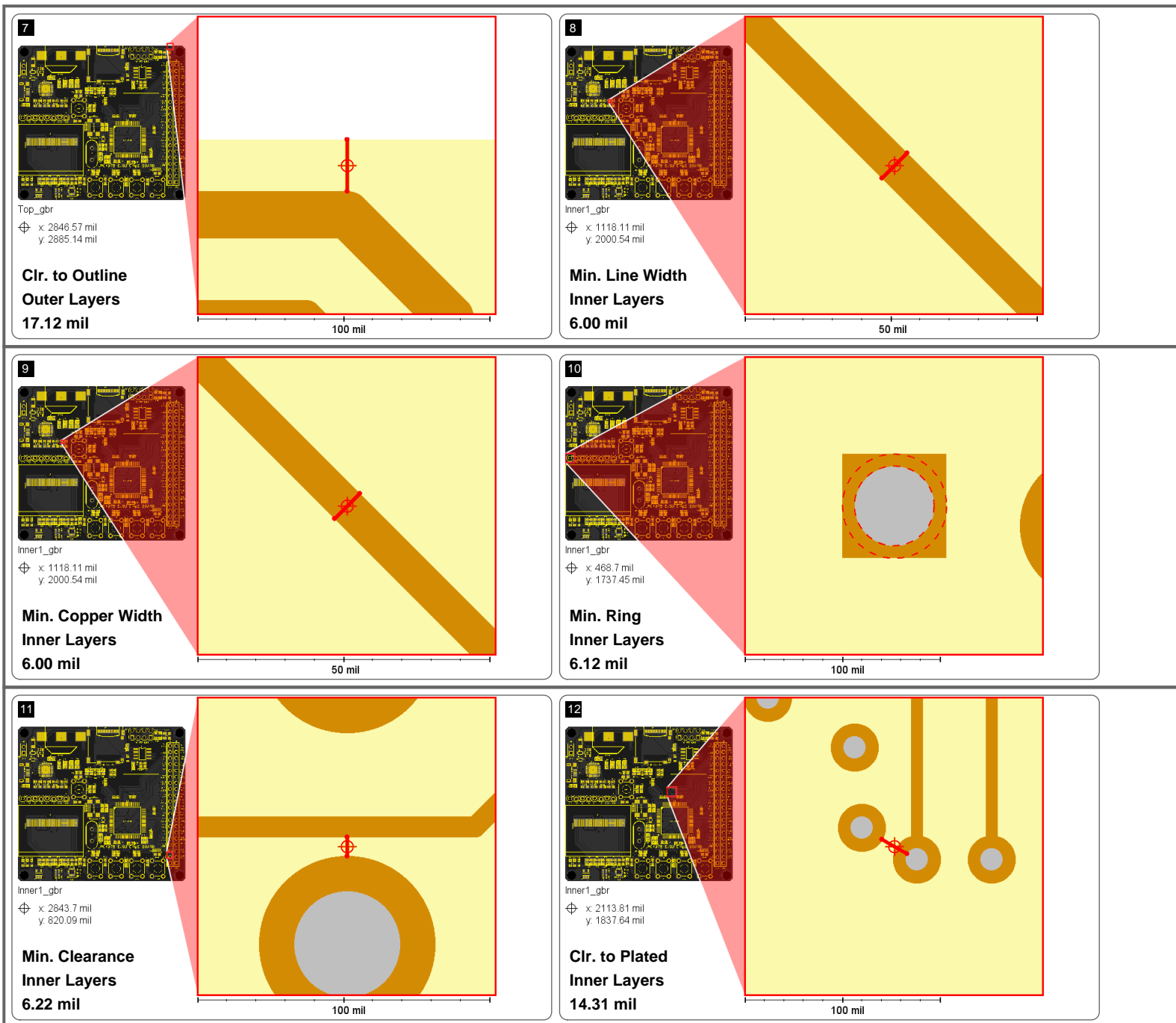
Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Moves	Min. Ring on Outer	Min. Ring on Inner	Min. Clr. Hole to Copper
			mil	mil			mil	mil	mil
Blind	0								
Buried	0								
PTH	1	5	11.00	40.00	248	2	6.12	6.12	13.34
Plated (Total)	1	5	11.00	40.00	248	2	6.12	6.12	13.34
NPTH	1	1	137.80	137.80	4				29.54
Total	2	6	11.00	137.80	252	2	6.12	6.12	13.34

Name	hupe9i5x.zip	Id.	26055 - QED OK
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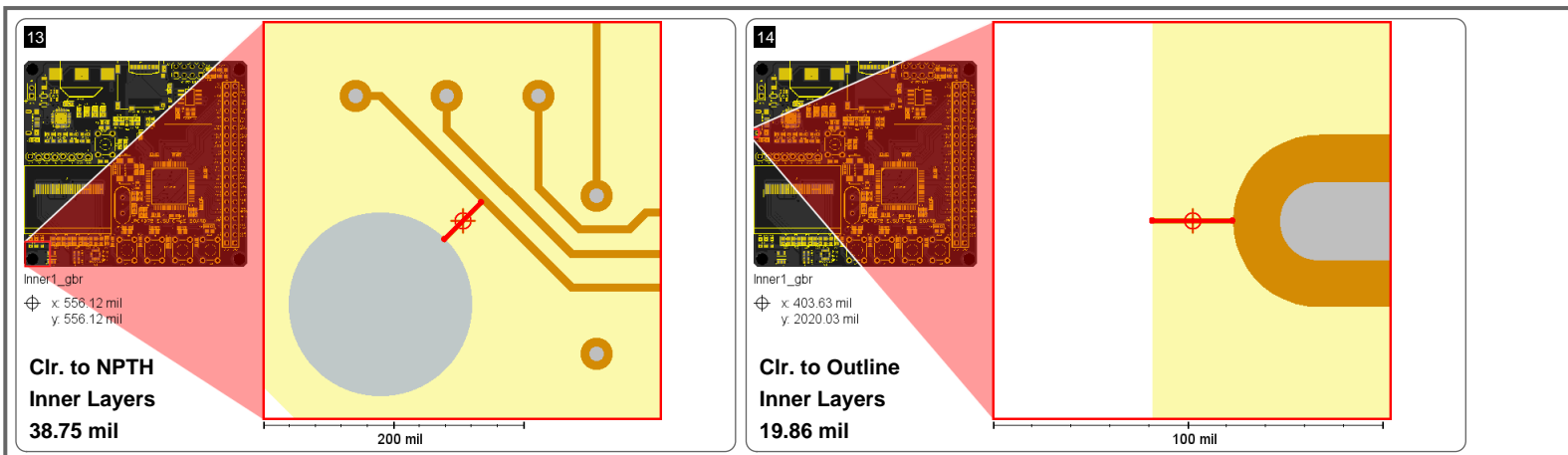
## Summary Minimum Design Characteristics - Locations - Original



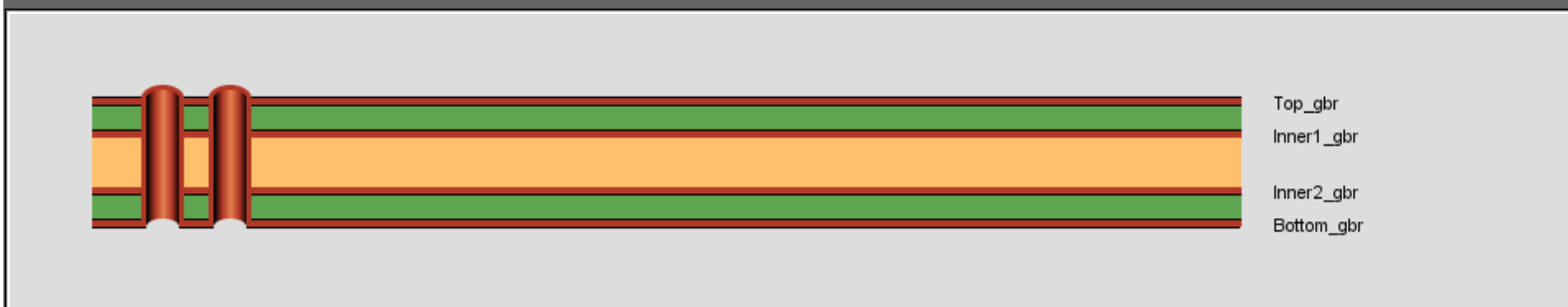
Name	hupe9i5x.zip	Id.	26055 - QED OK
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Name	hupe9i5x.zip	Id.	26055 - QED OK
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## Stackup - Original



Pressing Stages	1
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## Copper Layers - Original

File	Pos.	Min. Line Width	Min. Copper Width	Min. Ring	Min. Clr. to Copper	Min. Same Net spacing	Min. Clr. to Plated Hole	Min. Clr. to NPTH	Min. Clr. to Outline	Copper Area	
		mil	mil	mil	mil	mil	mil	mil	mil	inch <sup>2</sup>	%
Top_gbr	1	6.00	6.00	6.50	6.14	0.70	13.34	29.54	17.12	3.5062	52
Inner1_gbr	2	6.00	6.00	6.12	6.22	19.65	14.31	38.75	19.86	0.5178	8
Inner2_gbr	3	6.00	6.00	6.12	7.81	19.65	14.31	>64.00	19.86	0.5257	8
Bottom_gbr	4	15.75	4.31	6.12	7.81	19.36	14.31	29.54	19.86	5.4143	80

Name	hupe9i5x.zip	Id.	26055 - QED OK
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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)	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
Drill_NonPlated_Through_gbr	70	1-4	NPTH	unknown	unknown	unknown	137.80	0.00	0.00	4	0	0	0	>32.00	>32.00	
Drill_Plated_Through_gbr	69	1-4	PTH	unknown	unknown	unknown	11.00	0.00	0.00	168	0	0	0	6.50	6.50	24.00
Drill_Plated_Through_gbr	71	1-4	PTH	unknown	unknown	unknown	35.43	0.00	0.00	42	0	0	0	11.81	11.81	59.05
Drill_Plated_Through_gbr	72	1-4	PTH	unknown	unknown	unknown	19.69	unknown	unknown	0	2	0	0	unknown	unknown	>83.69
Drill_Plated_Through_gbr	73	1-4	PTH	unknown	unknown	unknown	40.00	0.00	0.00	28	0	0	0	6.12	6.12	52.24
Drill_Plated_Through_gbr	74	1-4	PTH	unknown	unknown	unknown	39.37	0.00	0.00	8	0	0	0	10.00	10.00	59.37
Drill_Plated_Through_gbr	75	1-4	PTH	unknown	unknown	unknown	32.00	0.00	0.00	2	0	0	0	8.00	8.00	48.00

## Sequences - Original

Span	Type	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Ring on Outer NPTH	Min. Ring on Inner NPTH	Min. Clr. Hole to Copper	Min. Clr. Hole to Outline	Min. Clr. Slot to Outline
			mil	mil		mil	mil	mil	mil	mil	mil	mil
1-4	PTH	5	11.00	40.00	248	6.12	6.12			13.34	46.24	disabled
All	Plated	5	11.00	40.00	248	6.12	6.12			13.34	46.24	disabled
1-4	NPTH	1	137.80	137.80	4			>32.00	>32.00	29.54	31.10	disabled
All	All	6	11.00	137.80	252	6.12	6.12	>32.00	>32.00	13.34	31.10	disabled

## Rout Tools - Original

File	Tool Nr.	Type	Tool Dia.	End Dia.	Draw Length	Nibble Count
			mil	mil	mil	
Drill_Plated_Through_gbr	72	PTH	unknown	19.69	55.12	34

## Routed Holes - Original

File	Hole Nr.	Instances	X Size	Y Size	Draw Length	Nibble Count
			mil	mil	mil	
Drill_Plated_Through_gbr	1	2	47.24	19.69	27.56	17

## 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	0.00		>10.00	1.84	2.27	Yes	No	
Bottom	0.00		>10.00	>10.00	9.67	Yes	No	
All	0.00			1.84	2.27	Yes	No	Yes

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## Files - Original

Initial	Renamed	Format	Function	Position	Color
TopAssy.gbr	TopAssy_gbr	gerx2	assembly	top	
TopPaste.gbr	TopPaste_gbr	gerx2	paste	top	
TopSilk.gbr	TopSilk_gbr	gerx2	silk	top	yellow
TopMask.gbr	TopMask_gbr	gerx2	mask	top	black
Top.gbr	Top_gbr	gerx2	outer	1	
Inner1.gbr	Inner1_gbr	gerx2	inner	2	
Inner2.gbr	Inner2_gbr	gerx2	inner	3	
Bottom.gbr	Bottom_gbr	gerx2	outer	4	
BottomMask.gbr	BottomMask_gbr	gerx2	mask	bottom	black
BottomSilk.gbr	BottomSilk_gbr	gerx2	silk	bottom	yellow
Drill_NonPlated_Through.gbr	Drill_NonPlated_Through_gbr	gerx2	nonplated	1-4	
Drill_Plated_Through.gbr	Drill_Plated_Through_gbr	gerx2	plated	1-4	
BoardOutline.gbr	BoardOutline_gbr	gerx2	cad_outline	none	
BottomAssy.gbr	BottomAssy_gbr	gerx2	empty	none	
BottomDimension.gbr	BottomDimension_gbr	gerx2	empty	none	
BottomPaste.gbr	BottomPaste_gbr	gerx2	empty	none	
TopDimension.gbr	TopDimension_gbr	gerx2	mechanical	none	

## Input Remarks - Original

Gerber import: Non-standard .FileFunction attribute value Drawing, interpreted as extra layer 'BottomAssy.gbr' (at line 10)

Gerber import: Non-standard .FileFunction attribute value Drawing, interpreted as extra layer 'BottomDimension.gbr' (at line 10)

Gerber import: Non-standard .FileFunction attribute value Drawing, interpreted as extra layer 'TopAssy.gbr' (at line 252)

Gerber import: Non-standard .FileFunction attribute value Drawing, interpreted as extra layer 'TopDimension.gbr' (at line 361)

## Comments - Original