

Name	is351hwe.zip	Id.	36300 - QED OK
Report Generated on	Jul 11, 2015 3:14:31 AM	Customer	via CRM
Board Id		Tool#	

Single PCB View

Top View	Bottom View

Summary - General

PCB Size	2.5591 inch x 2.2047 inch	Copper Layers	2
PCB Thickness	62.00 mil	Solder Mask	Both
Customer Panel Size		Solder Mask Color	Green
SMD Pads Top	119	Legend	Top Only
SMD Pads Bottom	0	Legend Color	White
SMD Density Top	22 SMD/inch ²	Paste	Top Only
SMD Density Bottom	0 SMD/inch ²	Peeloff Mask	None
Number of Nets	63	Carbon Mask	None
Drill Hole Density	12 Holes/inch ²	Electrical Test	Single Sided
Holes in SMD Pads	No	Max. Aspect Ratio on PTH	5.2
Edge Connectors	No	Vias Covered by Solder Mask	Both

Summary - Copper Layers

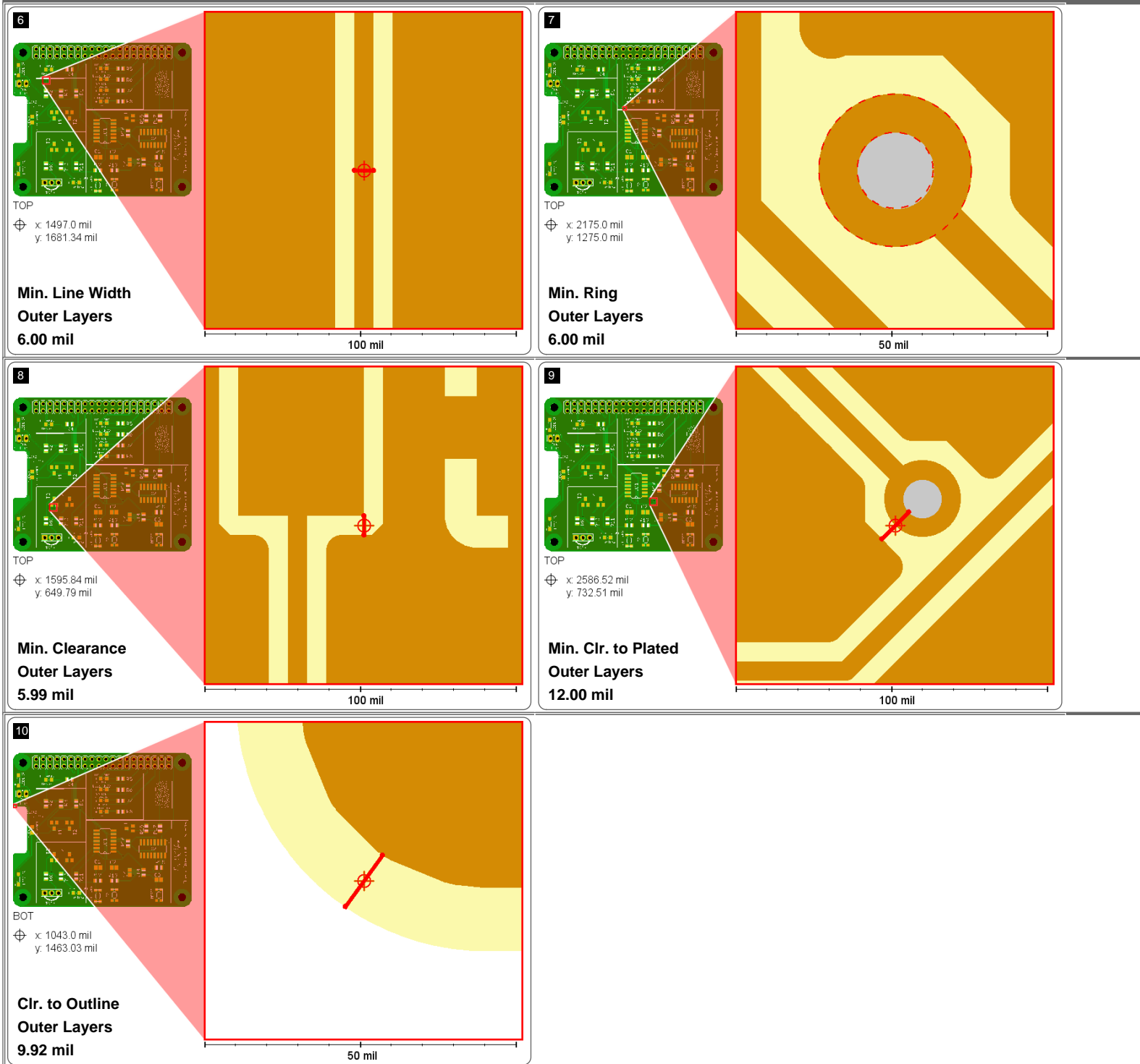
Layer Type	Min. Line Width	Min. Ring	Min. Clr. to Copper	Min. Clr. to Plated Hole	Min. Clr. to NPTH	Min. Clr. to Outline
	mil	mil	mil	mil	mil	mil
Outer	6.00	6.00	5.99	12.00		9.92
Inner						

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Summary - Sequences								
Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Clr. Hole to Copper
			mil	mil		mil	mil	mil
Blind	0							
Buried	0							
PTH	1	3	12.00	40.00	60	6.00		12.00
Plated (Total)	1	3	12.00	40.00	60	6.00		12.00
NPTH	1	1	110.24	110.24	4			unknown
Total	2	4	12.00	110.24	64	6.00		12.00

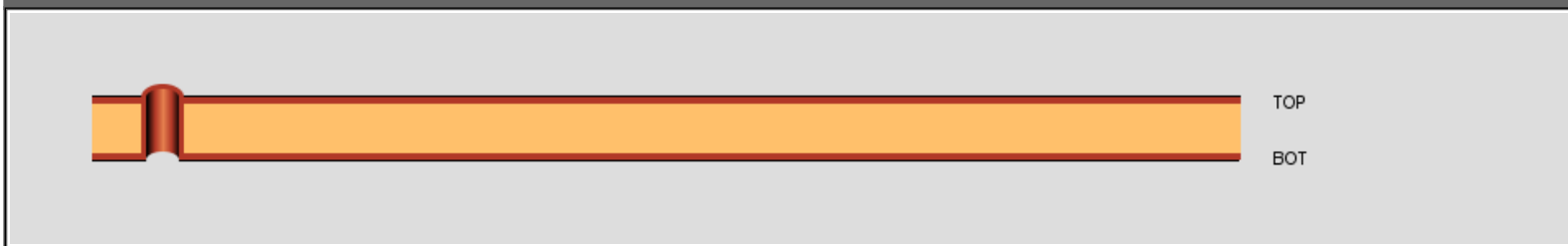
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Summary Minimum Design Characteristics - Locations



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

Stackup














Copper Layers

File	Pos.	Min. Line Width	Min. Ring	Min. Clr. to Copper	Min. Clr. Pad to Pad	Min. Clr. Pad to Track	Min. Clr. Track to Track	Min. Self-spacing	Min. Clr. to PTH	Min. Clr. to NPTH	Min. Clr. to Outline	Copper Area	
		mil	mil	mil	mil	mil	mil	mil	mil	mil	mil	inch ²	%
TOP	1	6.00	6.00	5.99	14.93	5.99	5.99	0.03	12.00	> 64.00	9.99	4.6391	84
BOT	2	6.00	6.00	6.00	> 20.00	6.00	6.00	1.24	12.00	> 64.00	9.92	5.0558	92

Drill Tools

File	Tool Nr.	Span	Type	Method	End Dia.	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
DRL	1	1-2	PTH	unknown	12.00	15	0	0	0	6.00		24.00
DRL	2	1-2	PTH	unknown	36.00	2	0	0	0	10.00		56.00
DRL	3	1-2	PTH	unknown	40.00	43	0	0	0	10.00		60.00
DRL	4	1-2	NPTH	unknown	110.24	4	0	0	0	> 32.00		

Sequences

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
			mil	mil		mil	mil	mil	mil	mil	mil
1-2	PTH	3	12.00	40.00	60	6.00				12.00	67.79
All	Plated	3	12.00	40.00	60	6.00				12.00	67.79
1-2	NPTH	1	110.24	110.24	4			> 32.00		> 64.00	82.67
All	All	4	12.00	110.24	64	6.00		> 32.00		12.00	67.79

Rout Tools

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

Routed Holes

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

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Solder Mask					
Side	Min. Positive Ring	Min. Negative Ring	Min. Clr. Mask to Mask	Min. Web	Min. Clr. Mask to Copper
	mil	mil	mil	mil	mil
Top	2.00	4.72	> 10.00	> 10.00	3.16
Bottom	2.00		> 10.00	> 10.00	3.17

Files					
Initial	Renamed	Format	Function	Position	Color
RasPi-BplusHAT.GTP	TSP	ger274x	paste	top	
RasPi-BplusHAT.GTO	TSS	ger274x	silk	top	white
RasPi-BplusHAT.GTS	TSM	ger274x	mask	top	green
RasPi-BplusHAT.GTL	TOP	ger274x	outer	1	
RasPi-BplusHAT.GBL	BOT	ger274x	outer	2	
RasPi-BplusHAT.GBS	BSM	ger274x	mask	bottom	green
RasPi-BplusHAT.TXT	DRL	excellon2	mixed	1-2	
RasPi-BplusHAT.GBO	empty	ger274x	empty	none	
RasPi-BplusHAT.GML	empty_1	ger274x	empty	none	
RasPi-BplusHAT.dri		text	document		
RasPi-BplusHAT.gpi		text	document		

Input Remarks
Gerber import: Empty image generated. 'RasPi-BplusHAT.GBO'
Gerber import: Empty image generated. 'RasPi-BplusHAT.GML'
Gerber import: Zero size aperture 10. 'RasPi-BplusHAT.GTL'
Gerber import: Zero size aperture 70. 'RasPi-BplusHAT.GTO'

Comments