

- Fabrication / Assembly Notes

  1. Material: Rigid FR-4, RoHS compliant: material should meet or exceed requirements of IPC 4101/129

  2. Number of electrical layers: 6

  3. Trace / Space minimums Smil (all layers)

  4. Thickness: 0.782mm (31mils) finished

  5. Finish: ENIG plating on exposed copper

  6. Soldermask: per IPC-ST-840, color matte black, registration within +/- 50um of circuit layer

  7. Silkscreen: do printed silkscreen on top and bottom layers, color white. Clip on pads.

  8. Board must be lead free process compatible and able to withstand minimum of

  5. cycles at 250 degrees celsius

  9. All Test/OR/OC markings to be made on back side of PCB

  10. x mousebites shall be no larger than 0.05 mm

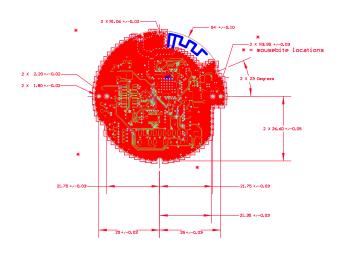
  11. All Dimensions are after plating/finishing

  12. All components must be placed within +/- 0.10mm

  13. This is a controlled impedence board between Layers 5 and 6.

- 13. This is a controlled impedence board between Layers 5 and 6. 0.45mm traces on Bottom layer (layer 6) are 50 ohm +/-5 Ohm controlled impedence traces referenced to layer 5.

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Paste				
2	Top Overlay				
3	Top Solder	Solder Resist	0.010mm	3.5	
4	Top Layer	Copper	0.025mm		
5	Dielectric1	FR-4	0.102mm	4.2	
6	Signal Layer 1	Copper	0.025mm		
7	Dielectric 5		0.152mm	4.2	
8	Signal Layer 2	Copper	0.025mm		
9	Dielectric 4		0.102mm	4.2	
10	GND	Copper	0.025mm		
11	Dielectric2		0.152mm	4.2	
12	PWR	Copper	0.025mm		
13	Dielectric3		0.102mm	4.2	
14	Bottom Layer	Copper	0.025mm		
15	Bottom Solder	Solder Resist	0.010mm	3.5	
16	Bottom Overlay				
17	Bottom Paste				



Symbol	Hit Count	Finished Hole Size	Plated	Hole Type
Ħ	1	0.700mm (27.56mil)	NPTH	Round
▼	1	0.900mm (35.43mil)	NPTH	Round
	2	1.800mm (70.87mil)	PTH	Round
0	2	2.200mm (86.61mil)	PTH	Round
0	33	0.300mm (11.81mil)	PTH	Round
0	122	0.305mm (12.01mil)	PTH	Round
	309	0.200mm (7.87mil)	PTH	Round
	470 Total			

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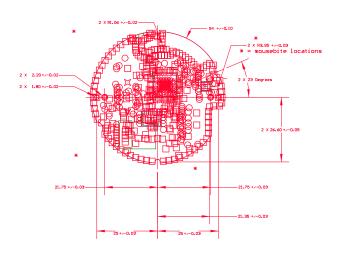
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