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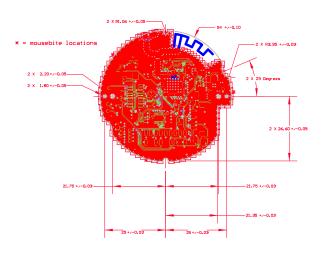
- Fabrication / Assembly Notes
 1. Material: Rigid FR-4, RoHS compliant: material should meet or exceed requirements of IPC 4101/126. ITEQ IT-180A Pre-approved.
 2. Number of electrical layers: 6
 3. Trace / Space minimum 5mil (all layers)
 4. Thickness: 0.782mm (31mils) +/- 0.1mm finished

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 Finish: ENIG plating on exposed copper
 Soldermask: per IPC-SM-840, color matte black, registration within +/- 76um of circuit layer
 Silkscreen: do printed silkscreen on top and bottom layers, color white. Clip on pads.
 Board must be lead free process compatible and able to withstand minimum of 5 cycles at 250 degrees celsius
 All Test/A0+0C markings to be made on back side of PCB
 x mousebites shall be no larger than 0.05 mm
 All Components must be placed within +/- 0.10mm
 This pour has controlled imprehense between Layers 5 and 6

- 13. This board has controlled impedences 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.
 Fab vendor to adjust trace width as needed but no smaller than .125mm without approval.

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
0	2	1.800mm (70.87mil)	NPTH	Round
0	2	2.200mm (86.61mil)	NPTH	Round
0	33	0.300mm (11.81mil)	PTH	Round
▽	122	0.305mm (12.00mil)	PTH	Round
	317	0.200mm (7.87mil)	PTH	Round
	478 Total			

METRIC DIMENSIONS AGE IN HILLIMETERS	DRAFTER	DATE			(a) hello)	
TOLERANCES: 0 > - < 2 0.10		i DATE 12/30/14	TITLE:				
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ANGLES 1.00	ANY REPROD AS A WHOLE WRITTEN PE INC IS PRO	size B	DWG. 201	NO. -00004-05		REV	
3			SCALE	: 1:1	WEIGHT:	SHEET	Γ 1 OF 1

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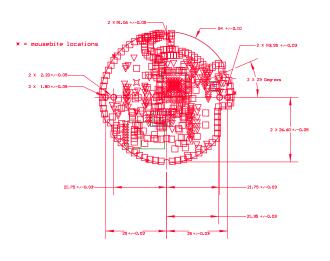
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2 > - < 10 0.10 10 > - < 50 0.10 10 > - < 50 0.10 50 > - < 100 0.15 100 > - < 200 0.20 200 > - 0.20 ANGLES 1.00 ANGLES 1.00 ANY REPRODUCTION IN PAPT OR AS A HAGE-UITHOUT THE WRITTEN PERMISSION OF HELLO INC. INC IS PROHIBITED. SCALE: 1:1 WEIGHT: SHEET 1 OF 1	TOLERANCES: 0 > - < 2 0.10			TITI	F:			
ANGLES 1.00 ANY REPRODUCTION IN PART OR AS A HABLENITHOUT THE WRITTEN PERHISSION OF HELLO INC IS PROMIBITED. SIZE DWG. NO. REU 201-00004-05 SCALE: 1:1 WEIGHT: SHEET 1 OF 1	10 > - < 50 0.10 50 > - < 100 0.15 100 > - < 200 0.20	THE INFORMATION THIS DRAWING IS	THE INFORMATION CONTAINED IN		Morpheus Middle Roard			
3,62,13,1	ANGLES 1.00	ANY REPRODUCTION AS A WHOLEWITHON WRITTEN PERMISSI	N IN PART OR JT THE ON OF HELLO	SIZE B				REV
				SCALE	: 1:1	WEIGHT:	SHEET	Γ 1 OF 1

