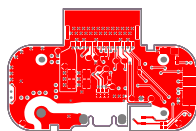
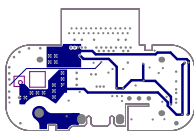


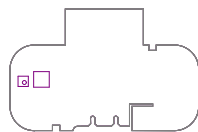
# Hello

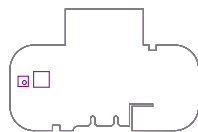
TITLE		REV
Temperature / Humidity		DVT
DATE	DRAWN BY	SHEET 2 OF 3
11/4/2014	D. Fusi	

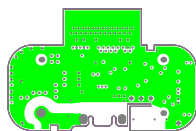




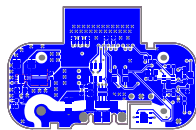


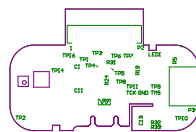


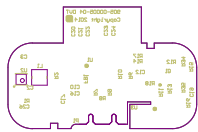


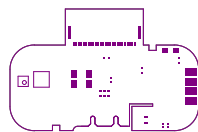


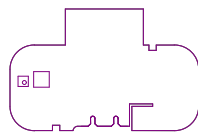


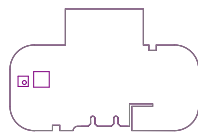


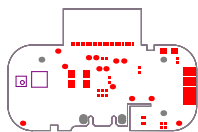






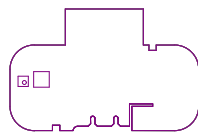








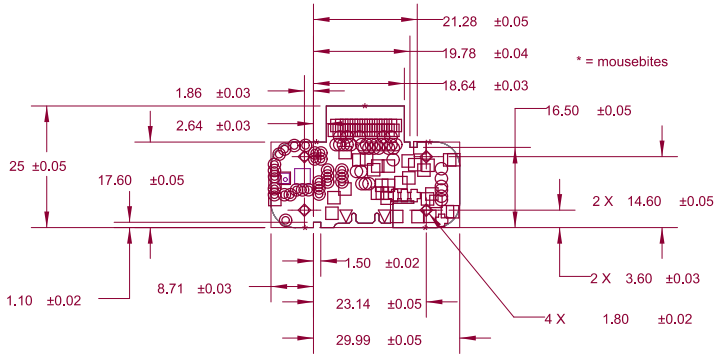




- Fabrication / Assembly Notes
- 1. Material: Rigid FR-4, RoHS compliant; material should meet or exceed requirements of IPC 4101/129
  - 2. Number of electrical layers: 4
  - 3. Trace / Space minimum: 5mil (all layers)
  - 4. Thickness: 1.25mm (finished)
  - 5. Finish: ENIG plating on exposed copper
  - 6. Soldermask: per IPC-SM-840, color black registration within +/- 50um of circuit layer
  - 7. Silkscreen: do print silkscreen on top and bottom layers
  - 8. RoHS: parts shall be RoHS compliant as per European Union directive 2002/95/EC
  - 9. Board must be lead free process compatible and able to withstand minimum of 5 cycles at 250 degrees celsius
  - 10. All Test/QA/QC markings to be made on back side of PCB
  - 11. x mousebites shall be no larger than 0.05 mm
  - 12. All Dimensions are after plating/finishing
  - 13. All components must be placed within +/- 0.10mm

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	0.036mm		
5	Dielectric1	FR-4	0.254mm	4.2	
6	GND	Copper	0.036mm		
7	Dielectric2		0.254mm	4.2	
8	PuB	Copper	0.036mm		
9	Dielectric3		0.127mm	4.2	
10	Bottom Layer	Copper	0.036mm		
11	Bottom Solder	Solder Resist	0.010mm	3.5	
12	Bottom Overlay				
13	Bottom Paste				

Symbol	Hit Count	Finished Hole Size	Plated	Hole Type
▽	2	0.600mm (23.62mil)	PTH	Slot
○	4	0.700mm (27.56mil)	PTH	Round
◇	4	1.800mm (70.87mil)	PTH	Round
●	28	0.400mm (15.75mil)	PTH	Round
○	36	0.305mm (12.00mil)	PTH	Round
□	61	0.200mm (7.87mil)	PTH	Round
135 Total				



METRIC	DRAWN	DATE	TITLE:		
DIMENSIONS ARE IN MILLIMETERS TOLERANCES: 0 > - < 2 0.05 2 > - < 10 0.08 10 > - < 50 0.10 50 > - < 100 0.15 100 > - < 200 0.20 200 > - 0.20 ANGLES 1.00	DESIGNER dfusi / rsb	DATE 11/06/2014			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HELLO INC.			Morpheus Bottom Board 201-00005-04		
ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HELLO INC IS PROHIBITED.			SIZE B	DWG. NO. NO.	REV DUT
SCALE: 2:1			WEIGHT:	SHEET 1 OF 1	

