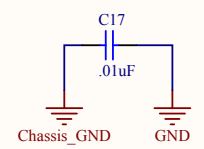
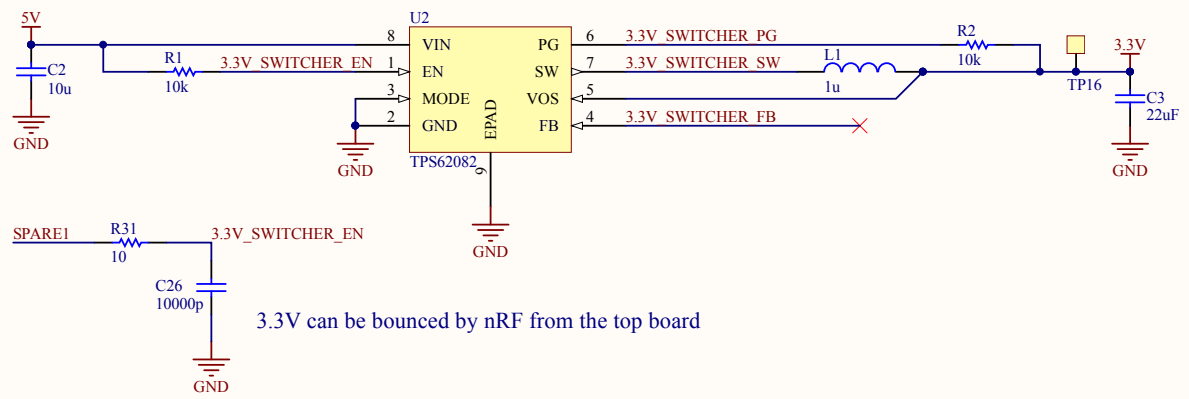


connection through ESD creepage zone



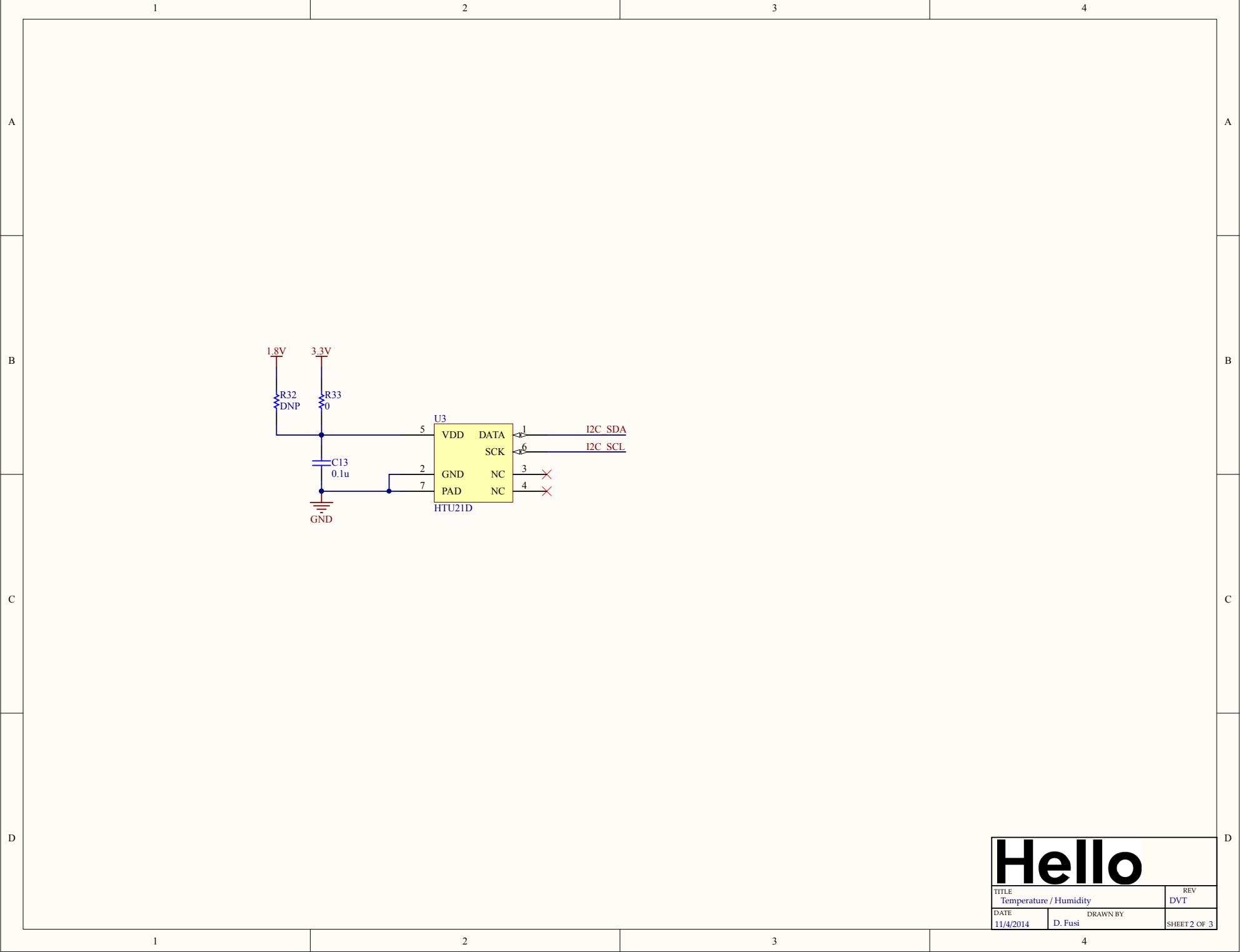
ESD protection



3.3V can be bounced by nRF from the top board

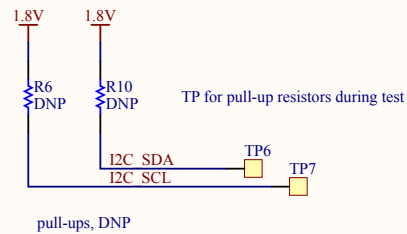
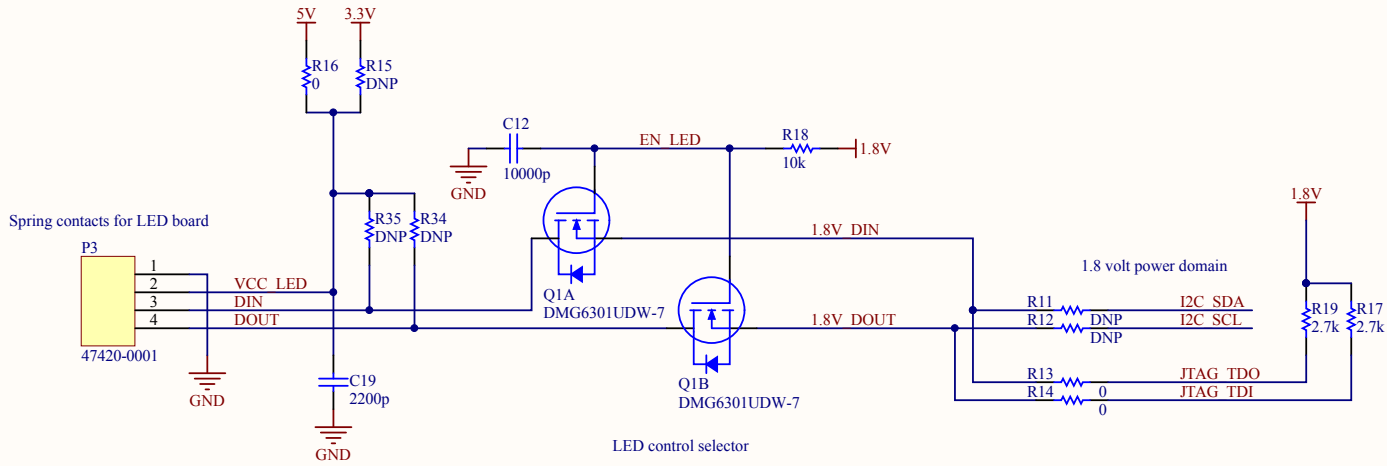
Hello

TITLE Power management		REV DVT
DATE 11/5/2014	DRAWN BY D. Fusi	SHEET 1 OF 3

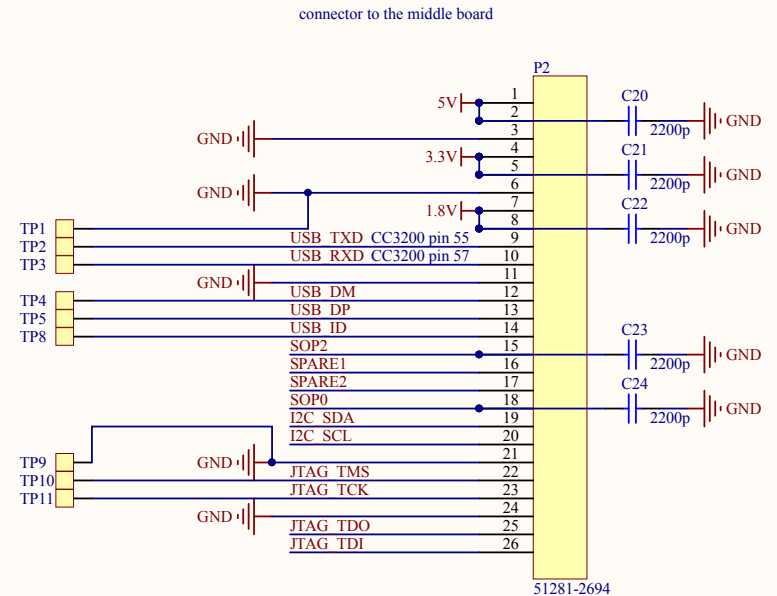
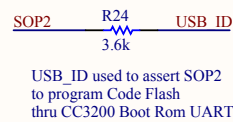
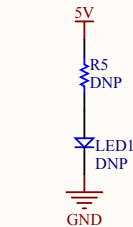
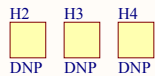


Hello

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

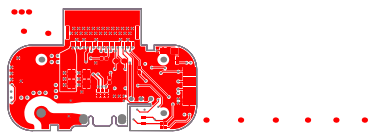


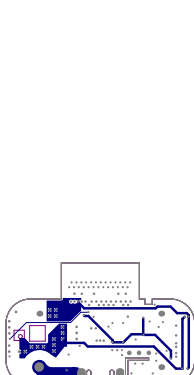
mounting holes. H1 has been replaced with a via

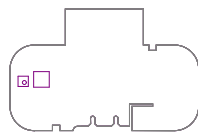


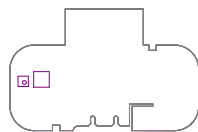
Hello

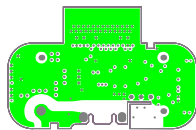
TITLE Morpheus_bottom		REV DVT
DATE 11/4/2014	DRAWN BY D. Fusi	SHEET 3 OF 3

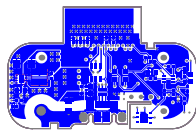


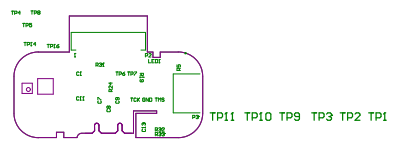




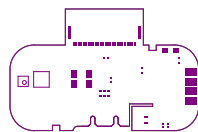


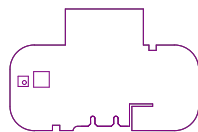


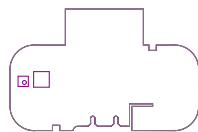


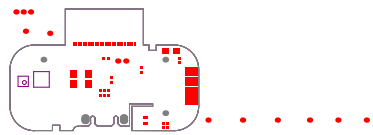




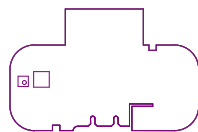








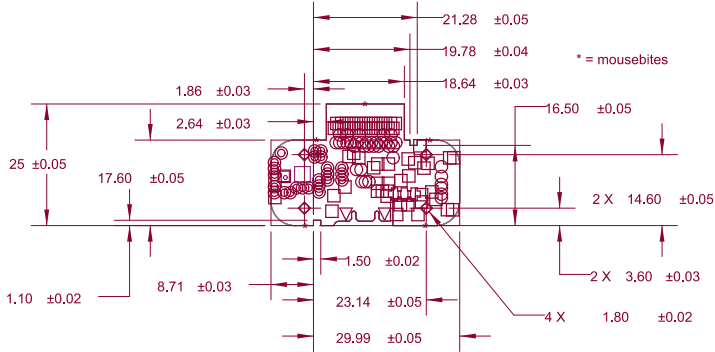




- Fabrication / Assembly Notes
1. Material: Rigid FR-4, RoHS compliant; material should meet or exceed requirements of IPC 4101/129
 2. Number of electrical layers: 4
 3. Trace / Space minimum: 5mil (all layers)
 4. Thickness: 1.25mm (finished)
 5. Finish: ENIG plating on exposed copper
 6. Soldermask: per IPC-SM-840, color blue 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
○	3	0.700mm (27.56mil)	PTH	Round
◇	4	1.800mm (70.87mil)	PTH	Round
●	24	0.400mm (15.75mil)	PTH	Round
○	38	0.305mm (12.00mil)	PTH	Round
□	63	0.200mm (7.87mil)	PTH	Round
134 Total				



METRIC		DRAWER	DATE				
DIMENSIONS ARE IN MILLIMETERS		DESIGNER	DATE				
TOLERANCES:				TITLE:			
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		PROPRIETARY AND CONFIDENTIAL					
		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HELLO INC.					
		ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HELLO INC IS PROHIBITED.					
		SIZE	DWG. NO.		REV		
		B					
		SCALE: 2:1	WEIGHT:		SHEET 1 OF 1		

