

1

2

3

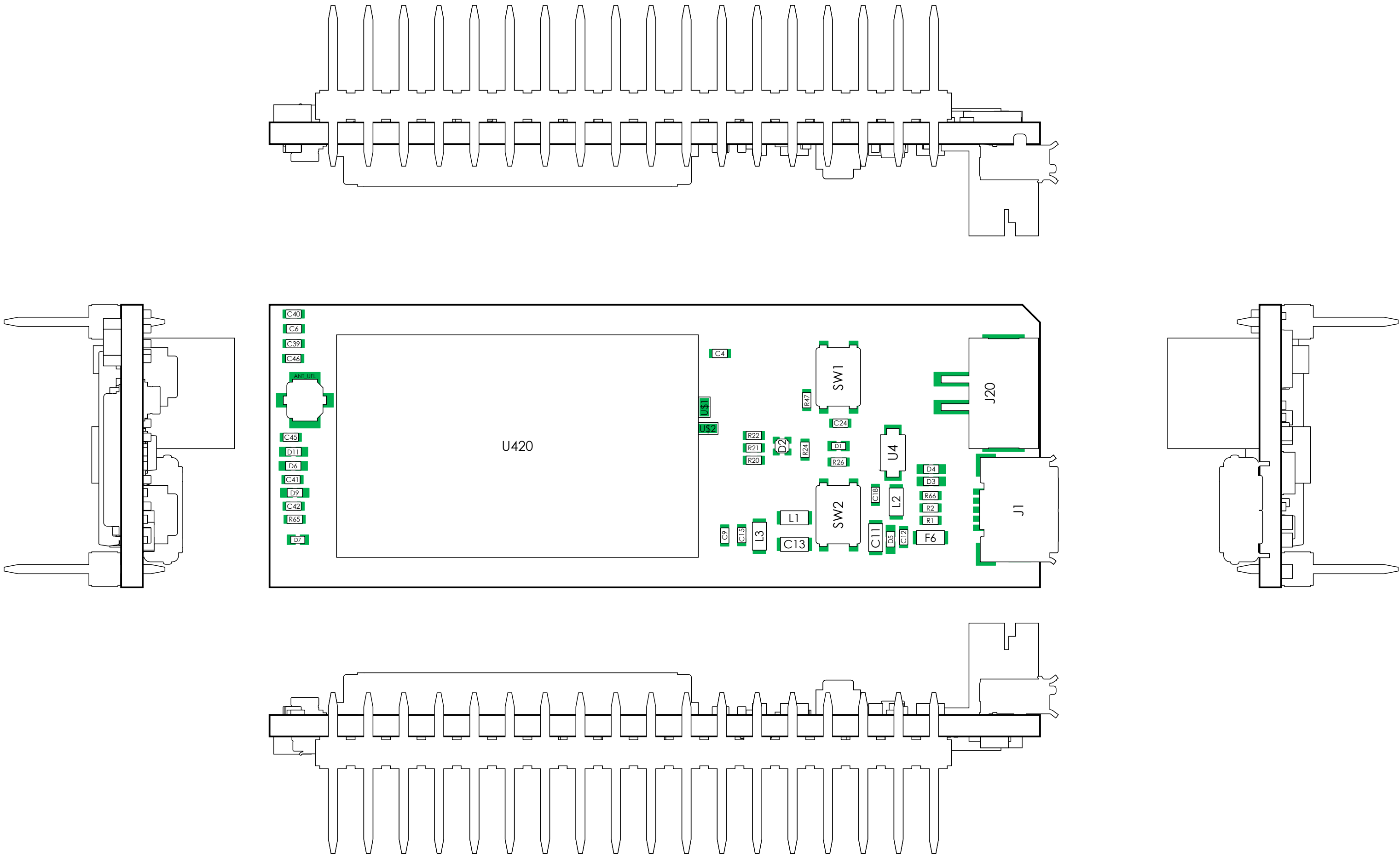
4

1

2

3

4



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	hologram.io			
		DIMENSIONS ARE IN INCHES	DRAWN	BDL	10/2/2017	TITLE Dash 1.2 Rev D			
		TOLERANCES:	CHECKED						
		FRACTIONAL ±	ENG APPR.						
		ANGULAR: MACH ± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±							
		THREE PLACE DECIMAL ±							
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.						
		MATERIAL	COMMENTS:			SIZE	DWG. NO.		
		FINISH							
NEXT ASSY	USED ON	DO NOT SCALE DRAWING							
APPLICATION						SCALE: 1:1		WEIGHT:	SHEET 1 OF 3

Layer Stack Legend						
Material	Layer	Thickness	Dielectric Material	Type	Gerber	
	Top Paste			Paste Mask	GTP	
	Top Overlay			Legend	GTO	
Surface Material	Top Solder	0	Solder Resist	Solder Mask	GTS	
Copper	Top Layer	1		Signal	GTL	
Prepreg	Signal Layer 1	5	FR-4	Dielectric		
Copper	Signal Layer 1	1		Signal	G1	
Core		10	FR-4	Dielectric		
Copper	Signal Layer 2	1		Signal	G2	
Prepreg		5		Dielectric		
Copper	Internal Plane 1	1		Internal Plane	GP1	
Core		10		Dielectric		
Copper	Internal Plane 2	1		Internal Plane	GP2	
Prepreg		5		Dielectric		
Copper	Signal Layer 3	1		Signal	G3	
Core		10		Dielectric		
Copper	Signal Layer 4	1		Signal	G4	
Prepreg		5		Dielectric		
Copper	Bottom Layer	1		Signal	GBL	
Surface Material	Bottom Solder	0	Solder Resist	Solder Mask	GBS	
	Bottom Overlay			Legend	GBO	
	Bottom Paste			Paste Mask	GBP	
Total thickness: 62						

Drill Drawing View (Scale 4:1)



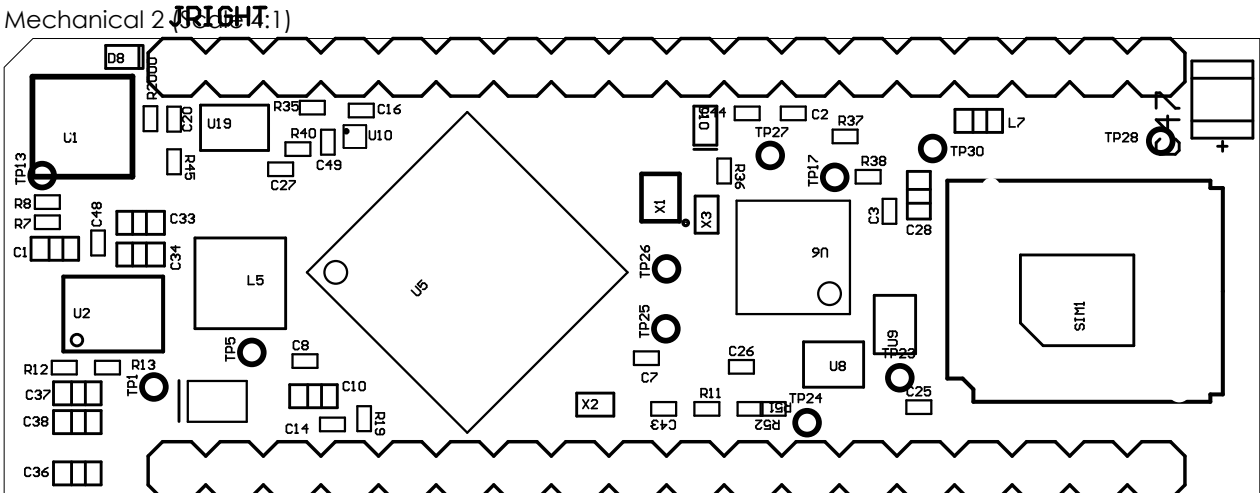
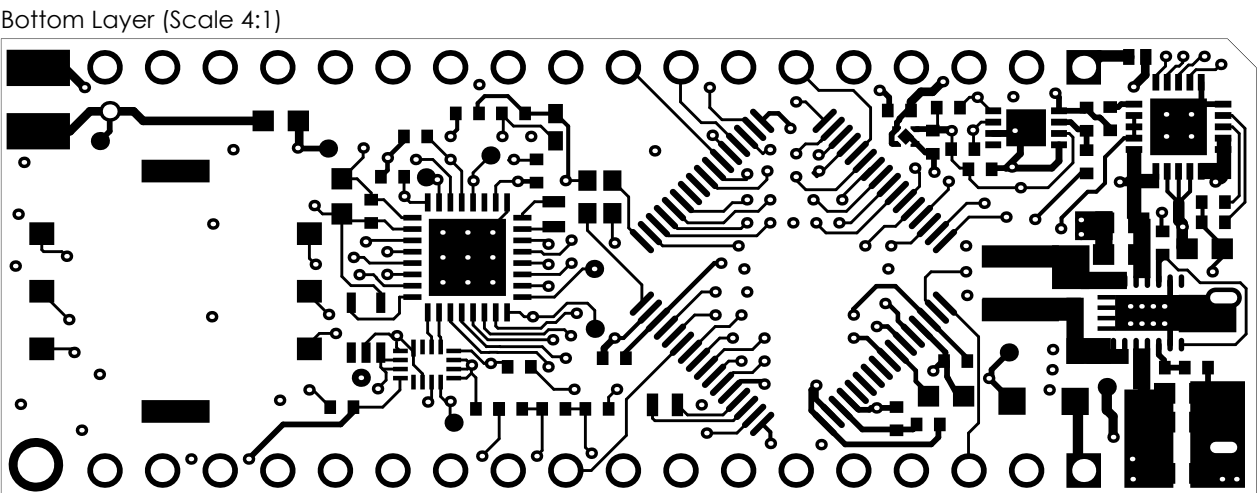
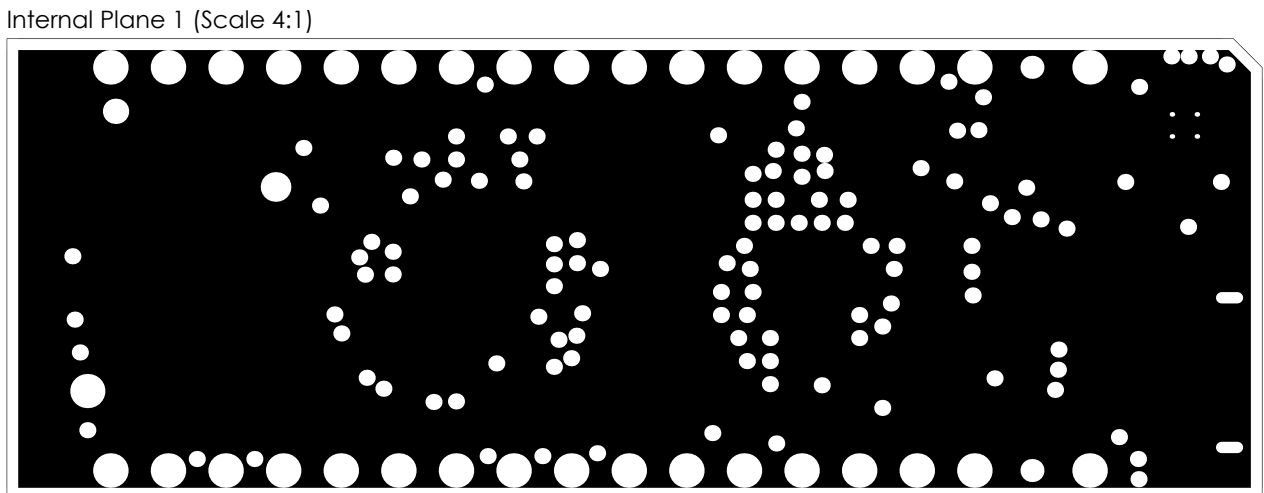
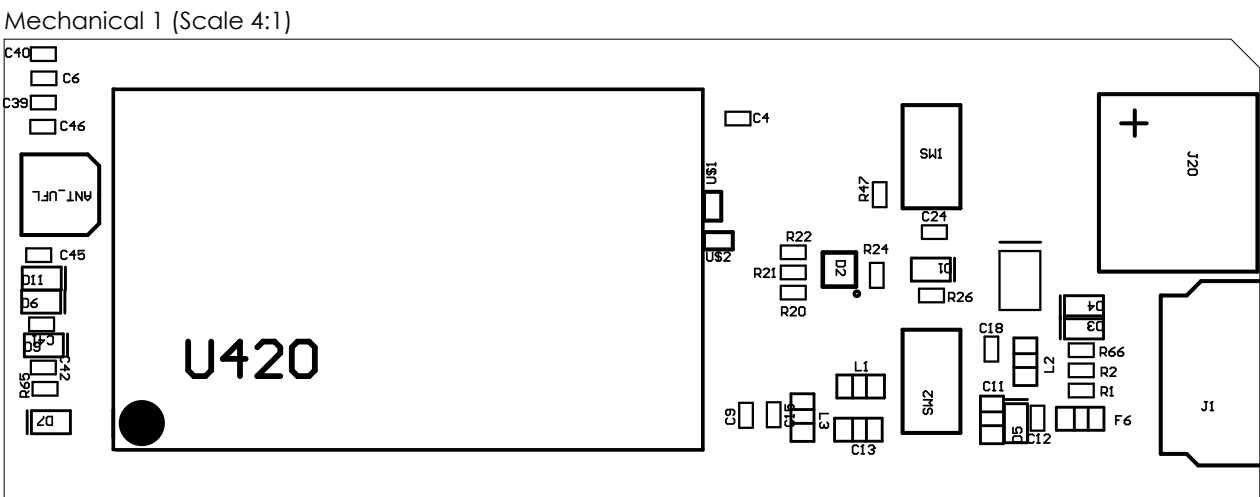
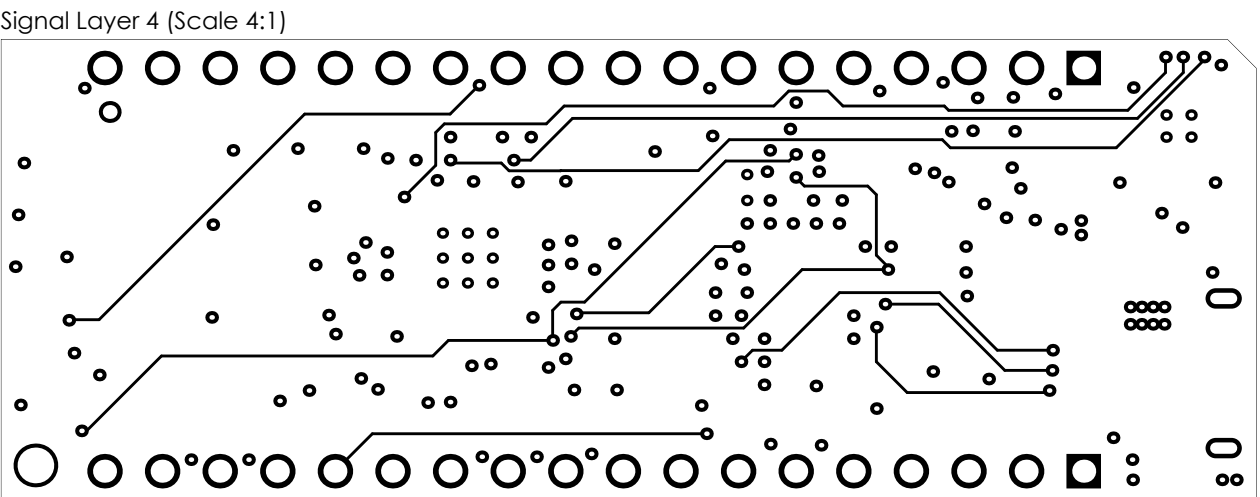
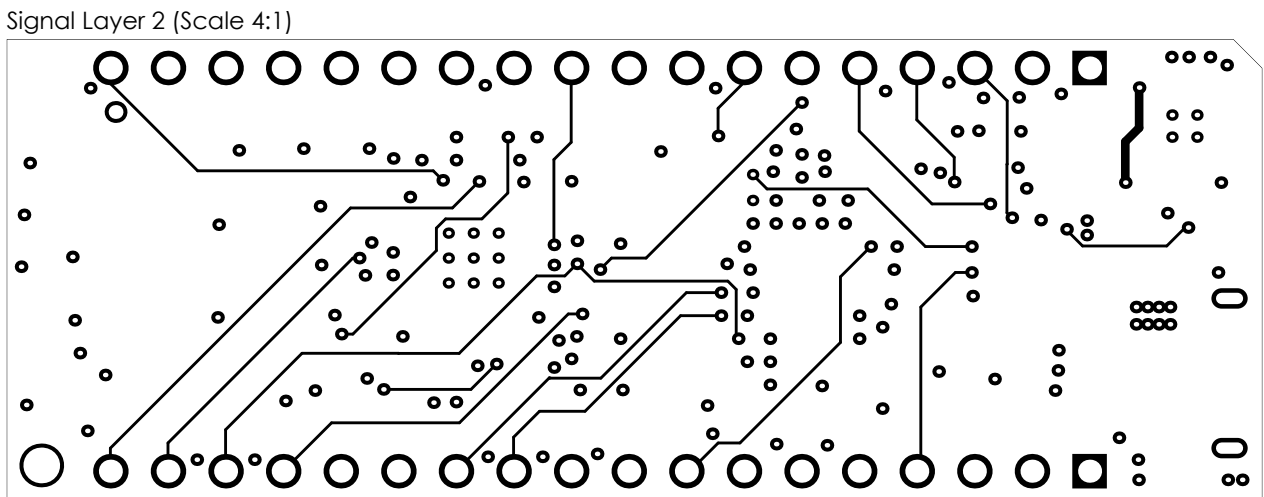
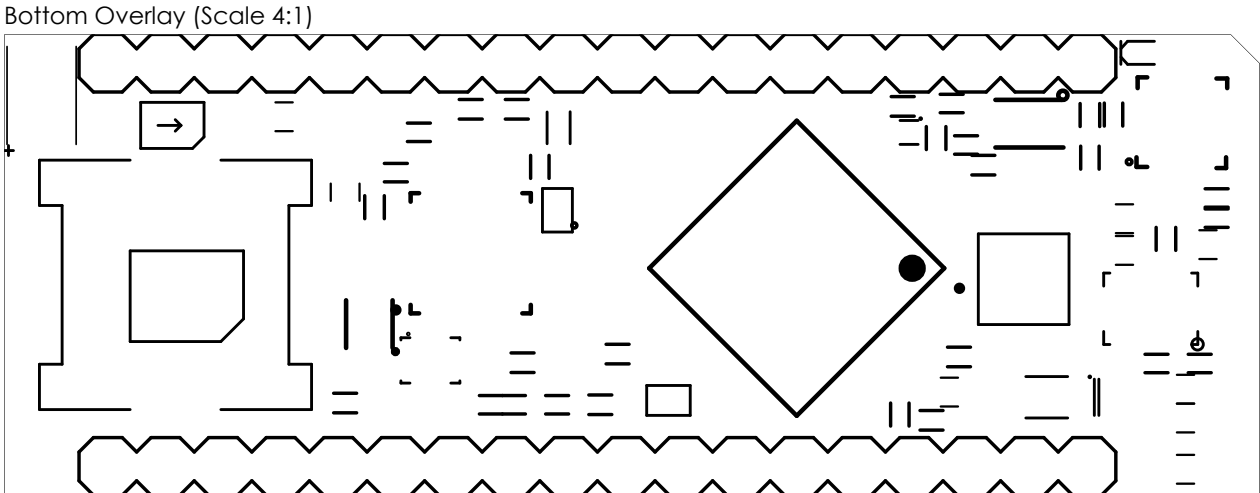
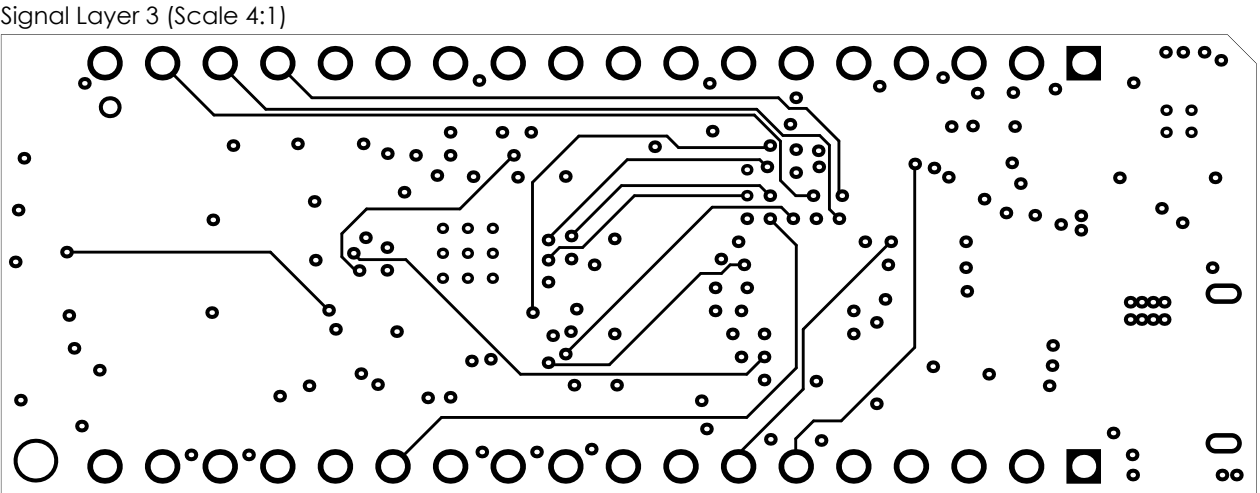
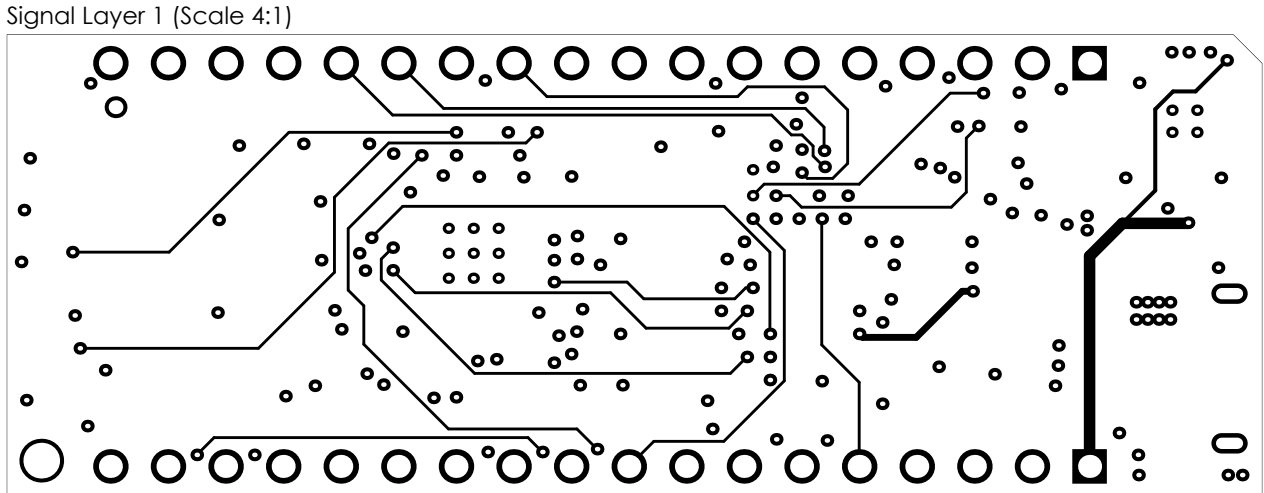
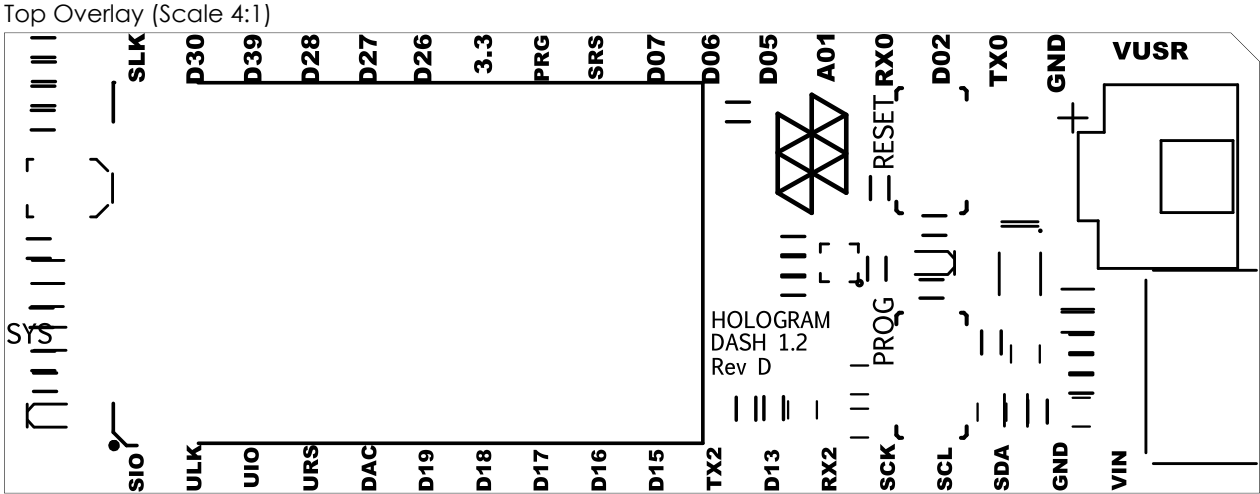
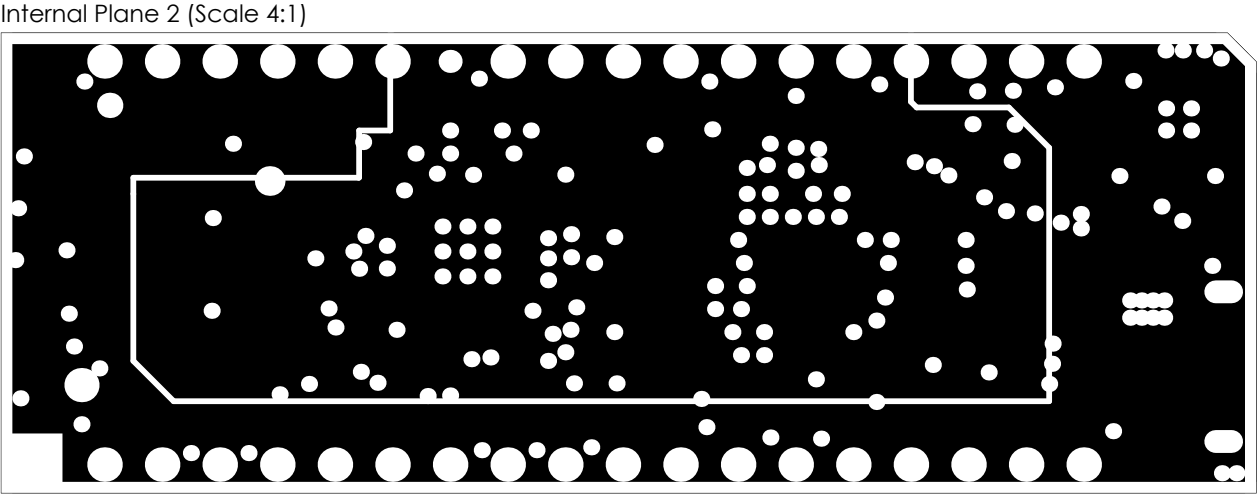
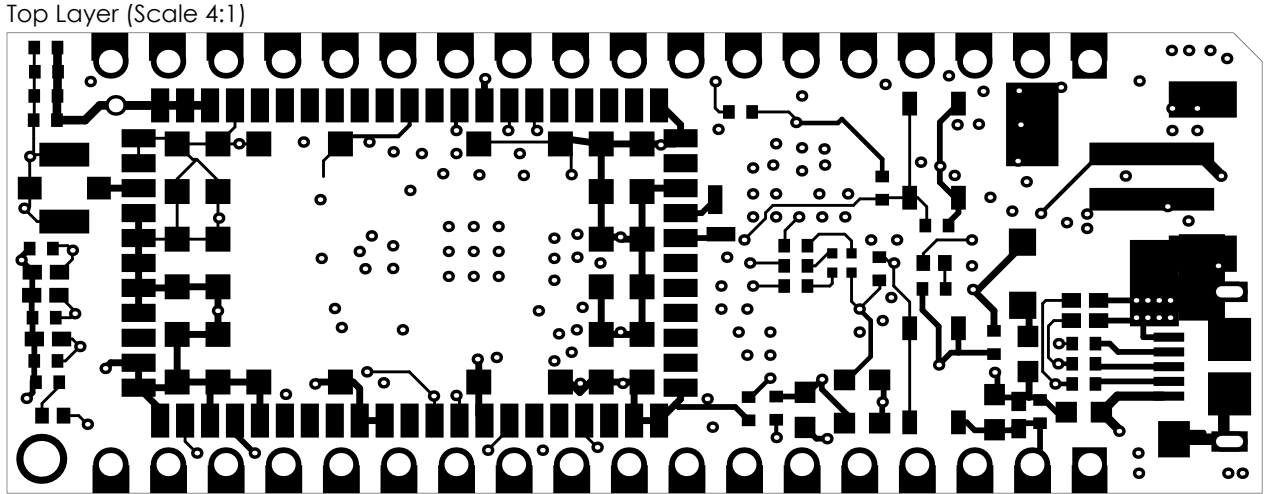
Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
0 Total				

Notes:

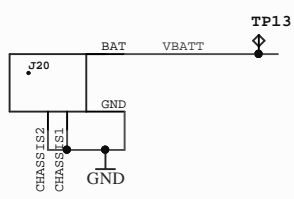
- PCB material FR4, Nominal thickness 0.063". Stackup thicknesses are NOMINAL, and for reference only.
- Solder mask BLUE both sides
- Overlay WHITE, LPI both sides. Overlay to be applied to top side after Via Tenting, using advanced silk screen process.

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			THREE PLACE DECIMAL ±	Q.A.					
			INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			SIZE	DWG. NO.	
			MATERIAL						
			FINISH						
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	APPLICATION						SCALE: 1:1	WEIGHT:	SHEET 2 OF 3

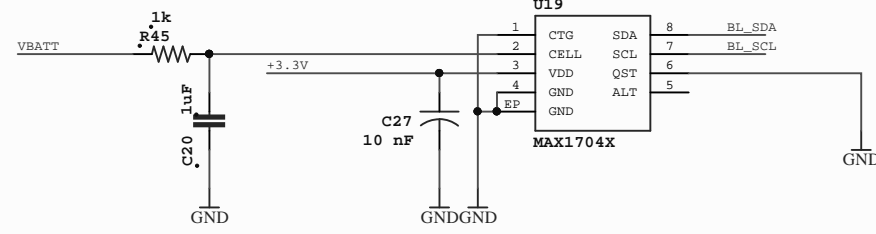


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		MATERIAL				SIZE	DWG. NO.		
NEXT ASSY	USED ON	FINISH							
	APPLICATION		DO NOT SCALE DRAWING			SCALE: 1:1	WEIGHT:	SHEET 3 OF 3	

Battery Connector



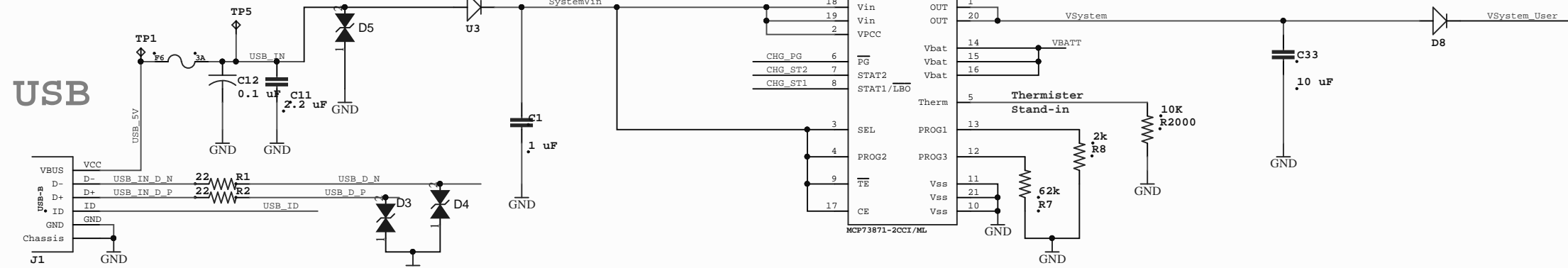
Battery Monitor



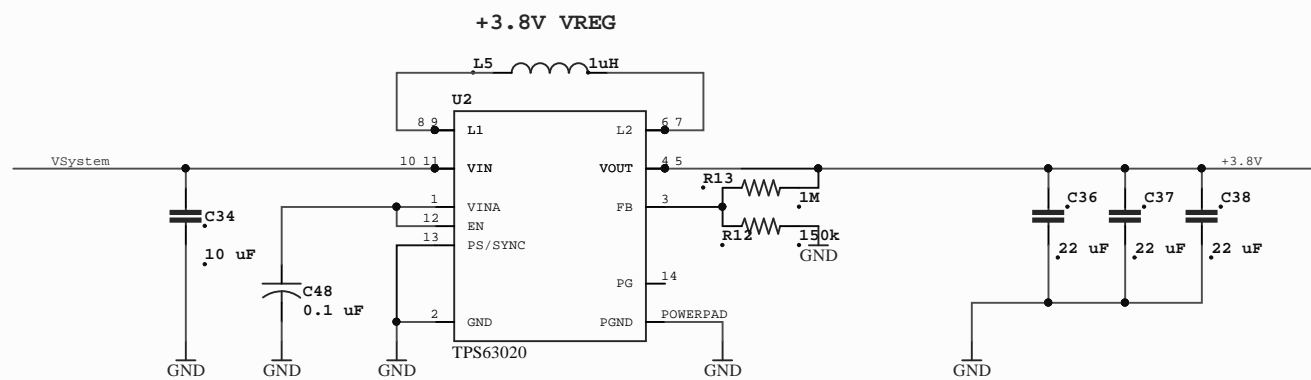
User Pins

L 18	O18	SYS_TMS_BMIO10	SYS_TMS_BMIO10A	R 18
L 17	O17	USB_TCK_BMIO10	USB_TCK_BMIO10A	R 17
L 16	O16	USB_TMS_BMIO10	USB_TMS_BMIO10A	R 16
L 15	O15	USB_TCK_BMIO10	USB_TCK_BMIO10A	R 15
L 14	O14	USB_TMS_BMIO10	USB_TMS_BMIO10A	R 14
L 13	O13	USB_TCK_BMIO10	USB_TCK_BMIO10A	R 13
L 12	O12	USB_TMS_BMIO10	USB_TMS_BMIO10A	R 12
L 11	O11	USB_TCK_BMIO10	USB_TCK_BMIO10A	R 11
L 10	O10	USB_TMS_BMIO10	USB_TMS_BMIO10A	R 10
L 09	O09	USB_TCK_BMIO10	USB_TCK_BMIO10A	R 09
L 08	O08	USB_TMS_BMIO10	USB_TMS_BMIO10A	R 08
L 07	O07	USB_TCK_BMIO10	USB_TCK_BMIO10A	R 07
L 06	O06	USB_TMS_BMIO10	USB_TMS_BMIO10A	R 06
L 05	O05	USB_TCK_BMIO10	USB_TCK_BMIO10A	R 05
L 04	O04	USB_TMS_BMIO10	USB_TMS_BMIO10A	R 04
L 03	O03	USB_TCK_BMIO10	USB_TCK_BMIO10A	R 03
L 02	O02	USB_TMS_BMIO10	USB_TMS_BMIO10A	R 02
L 01	O01	USB_TCK_BMIO10	USB_TCK_BMIO10A	R 01

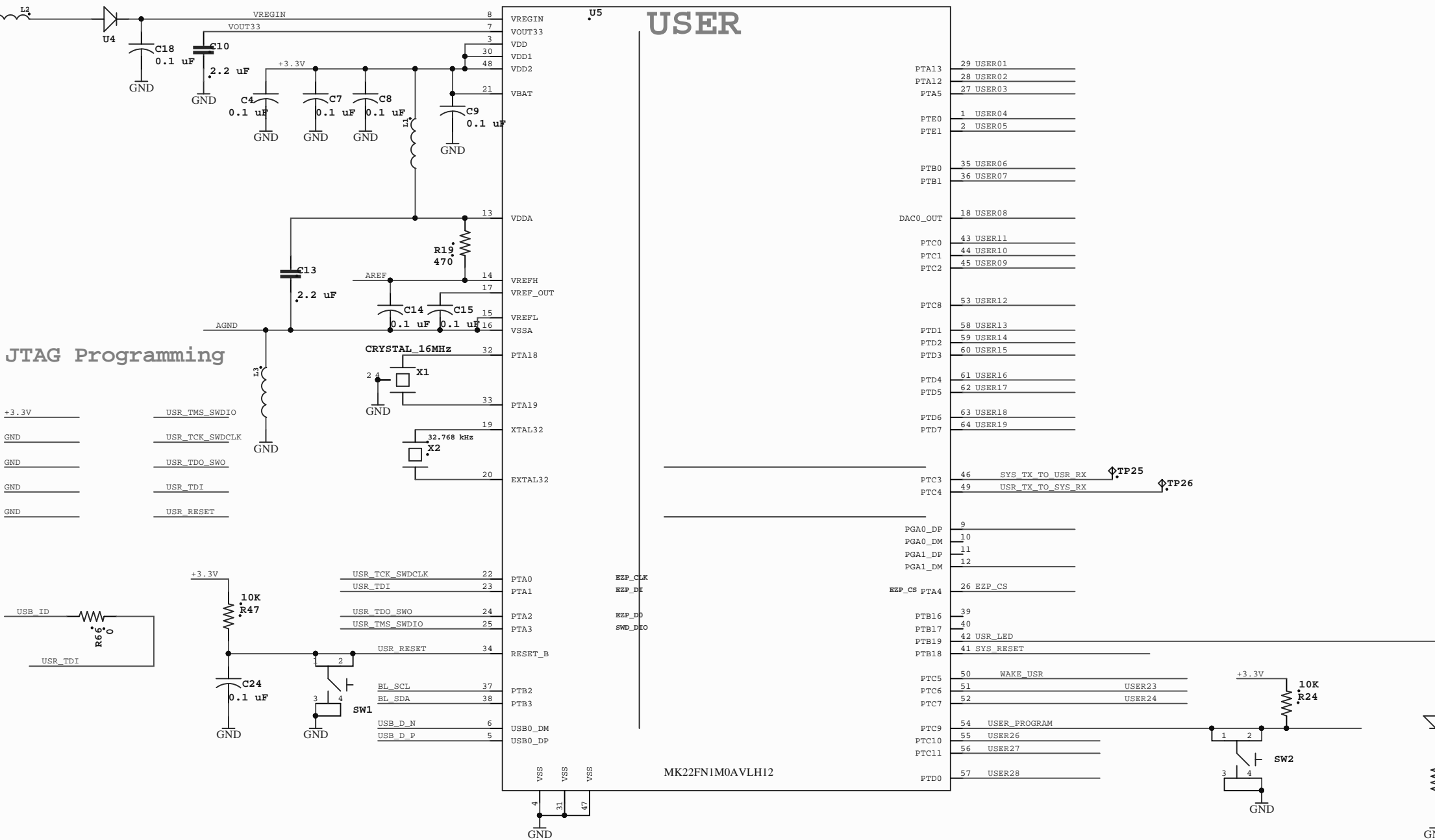
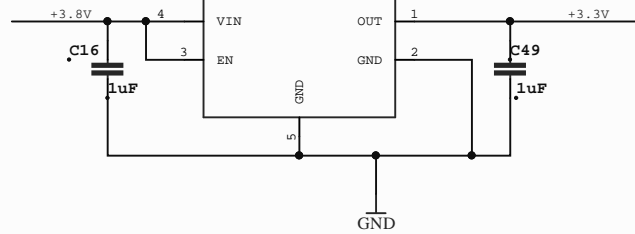
Battery Charger/System Voltage



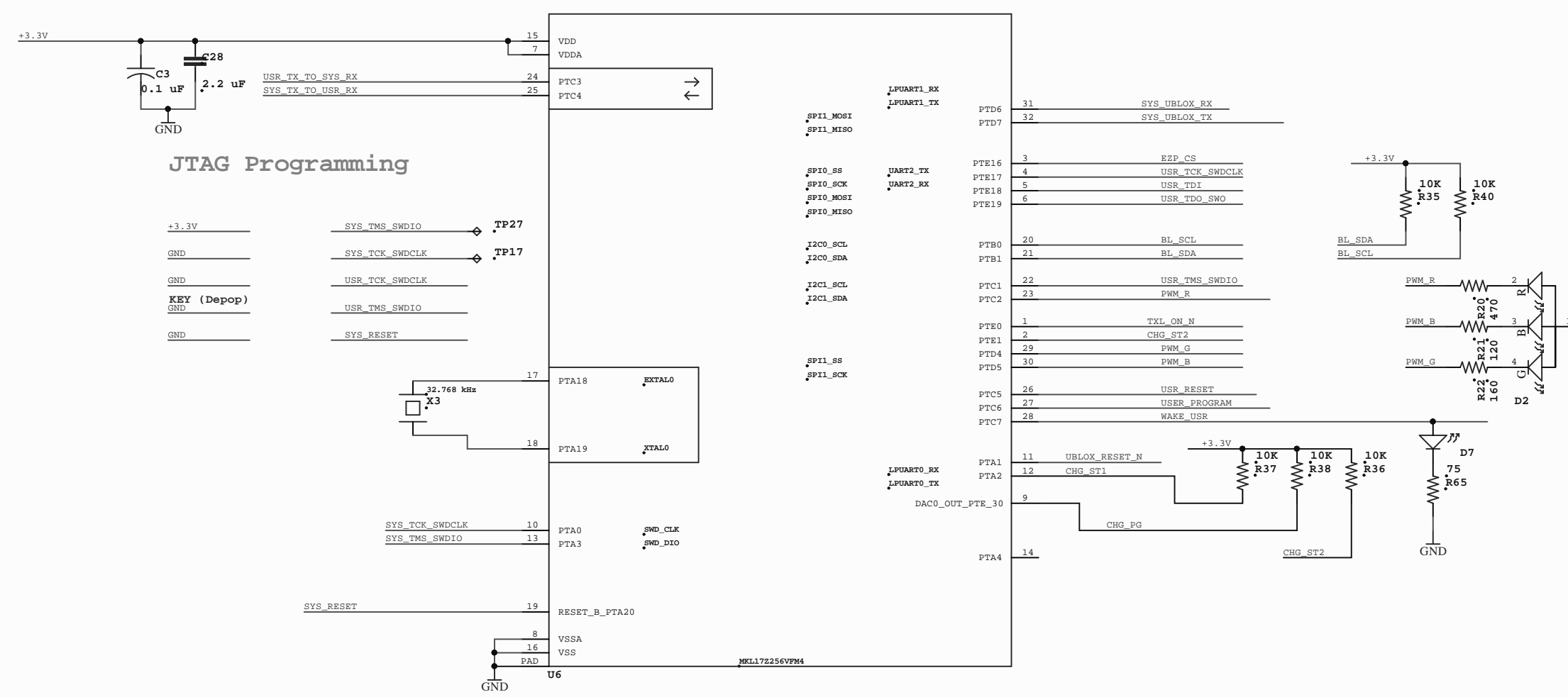
+3.8V VREG



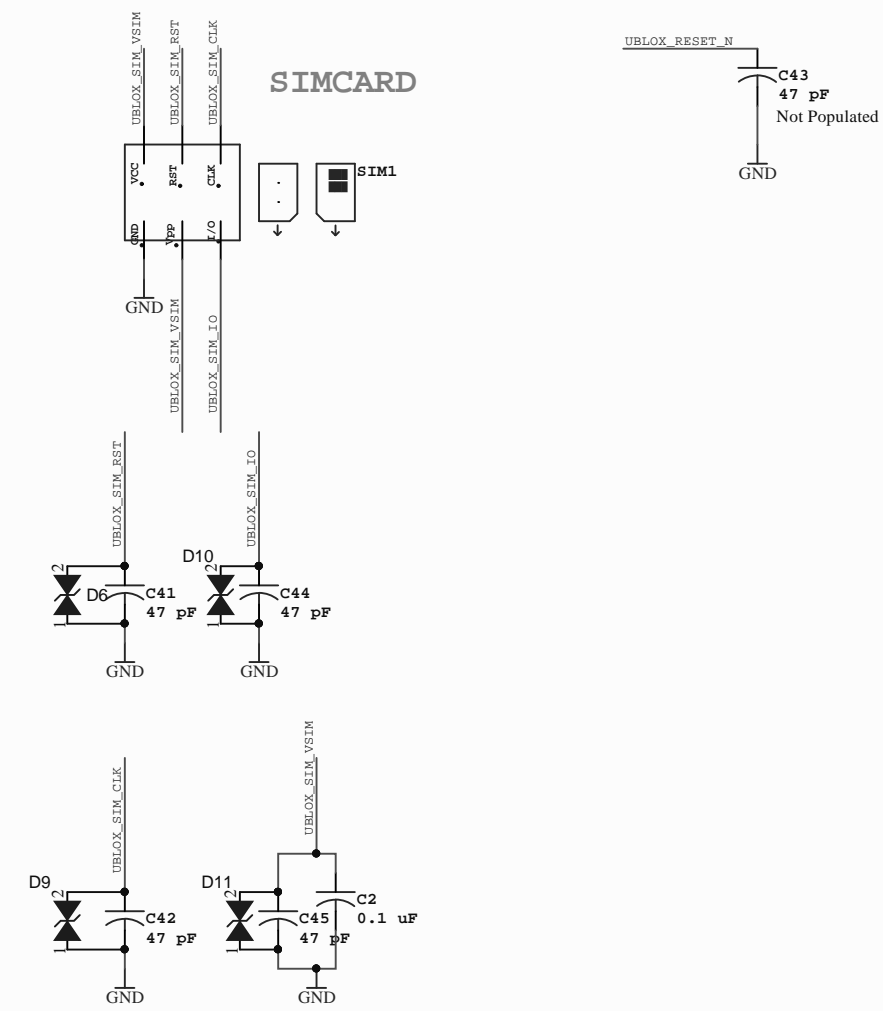
+3.3V VREG



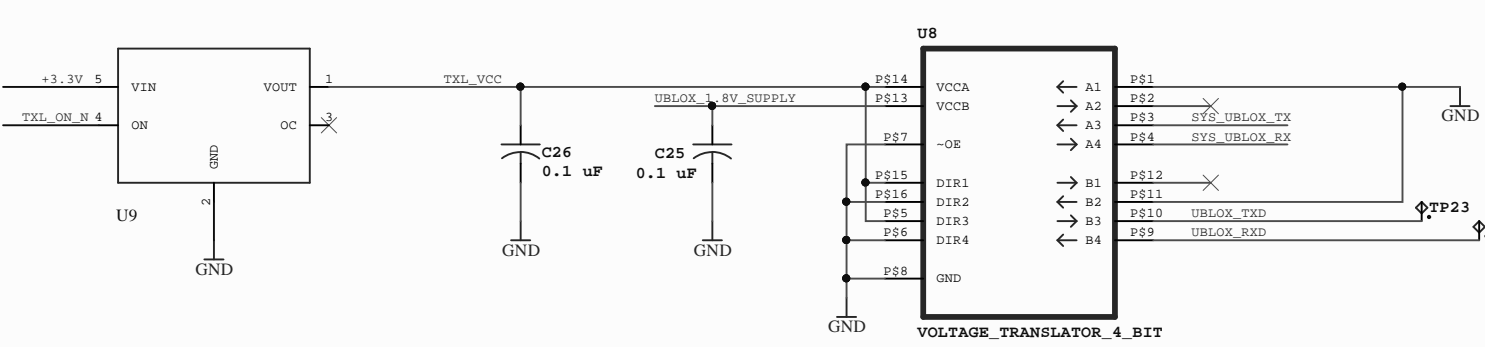
System



SIMCARD



VOLTAGE TRANSLATOR



Hologram Dash 1.2 Rev D

11/1/2016

REV:

1