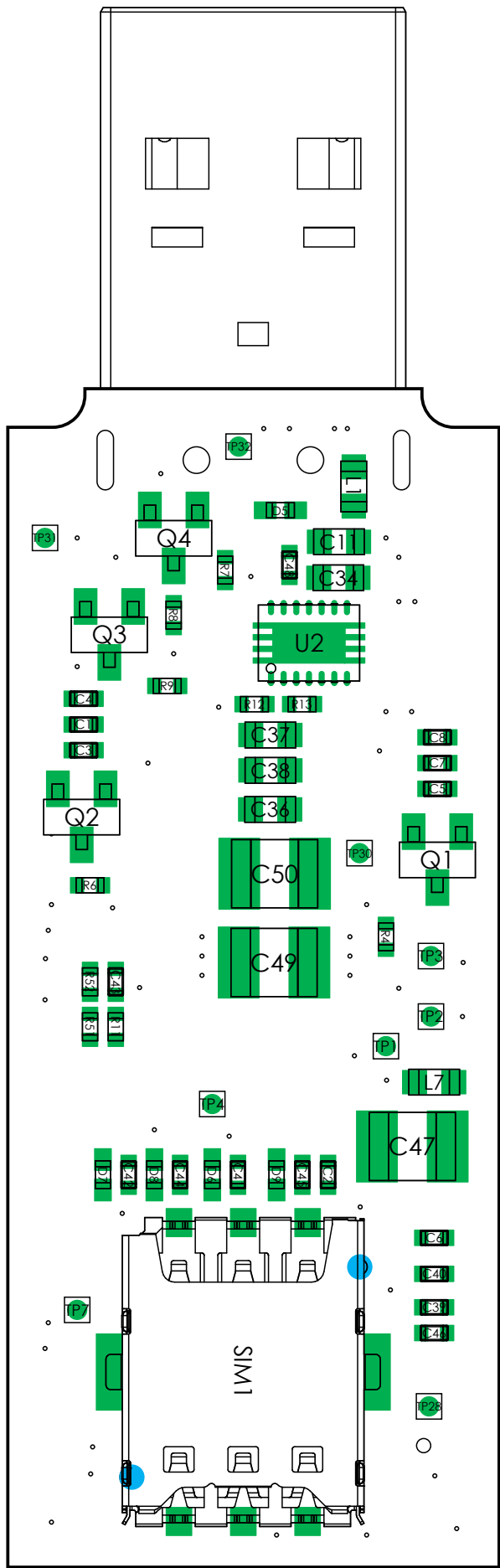


62mil



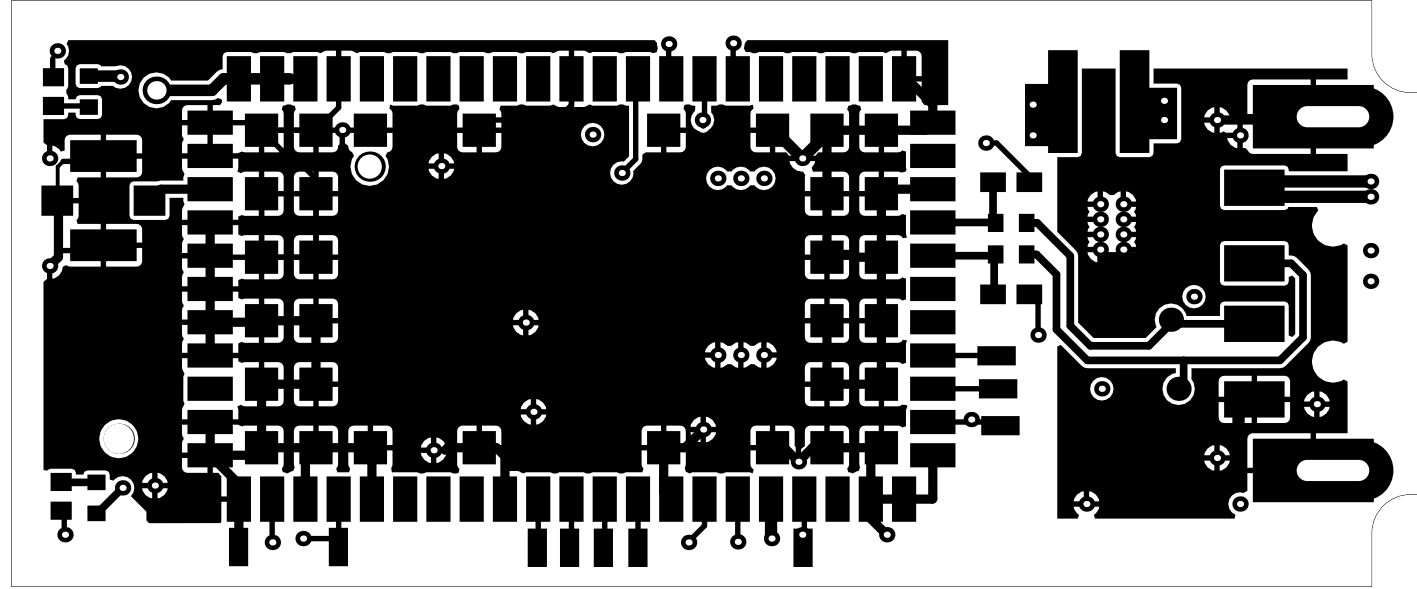
- Note:
1. Material FR4 0.062" thick 4 layer board
 2. All layers 1 oz copper finished
 3. Silk screen and solder mask both sides

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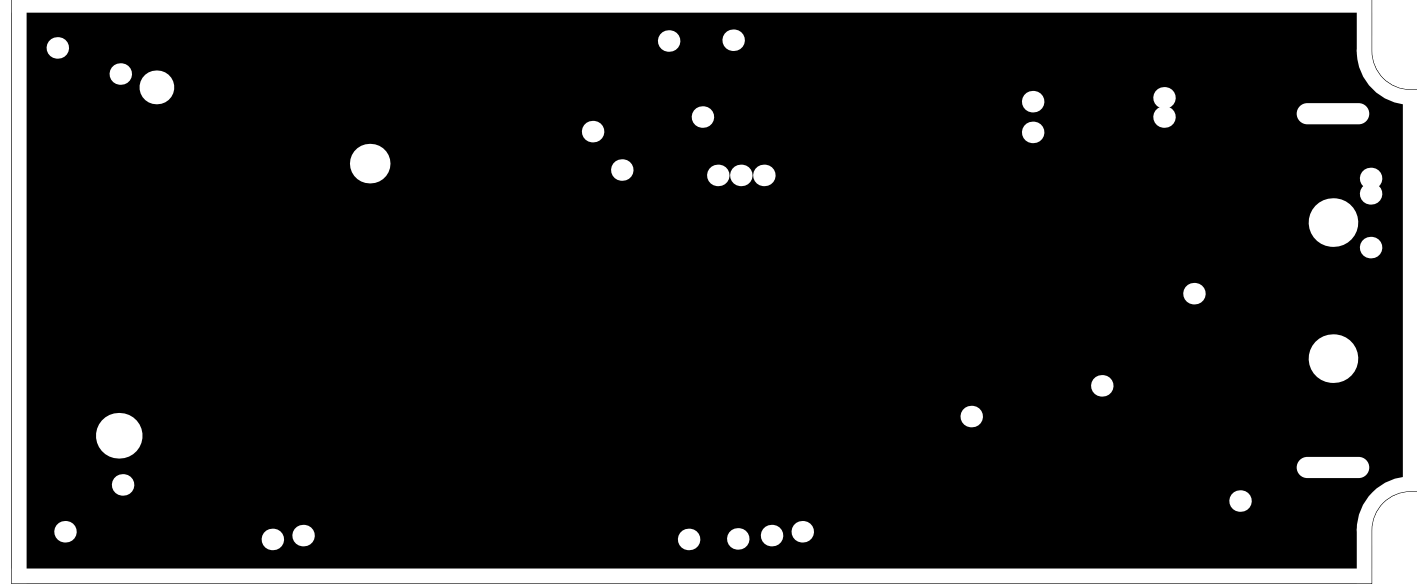
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		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SIZE	DWG. NO.	Rev J
		THREE PLACE DECIMAL ±	COMMENTS:			SCALE: 1:1	WEIGHT:	SHEET 1 OF 4
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
		FINISH						
NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
APPLICATION								

1

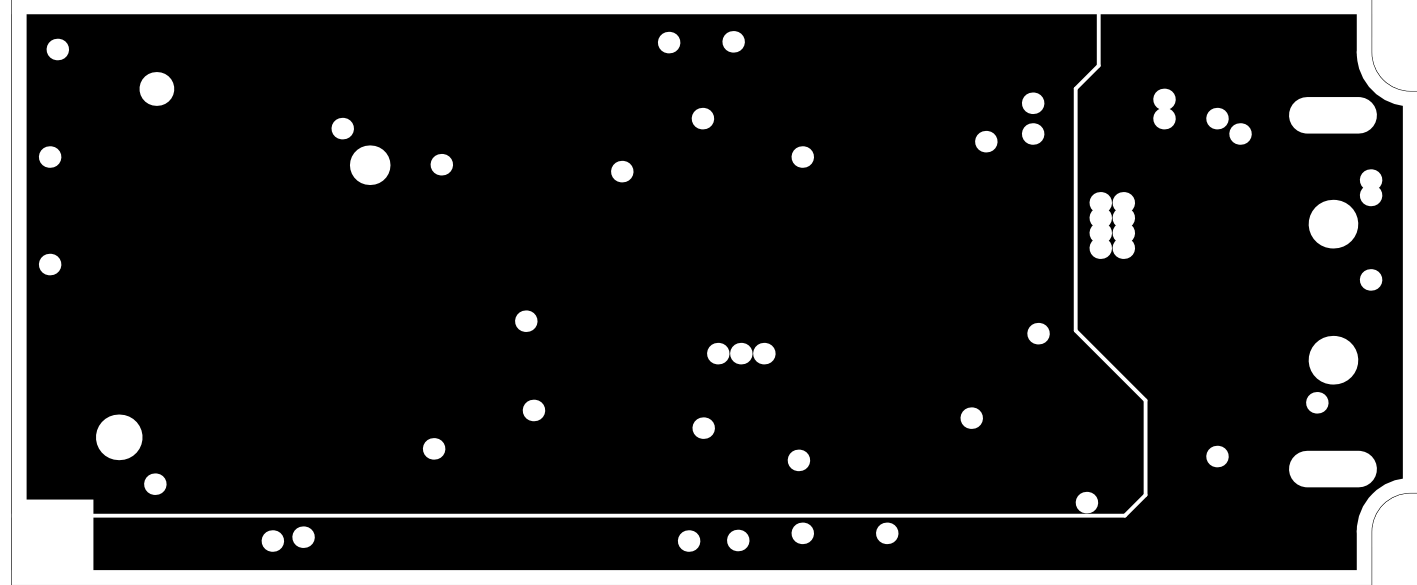
Top Layer (Scale 4:1)



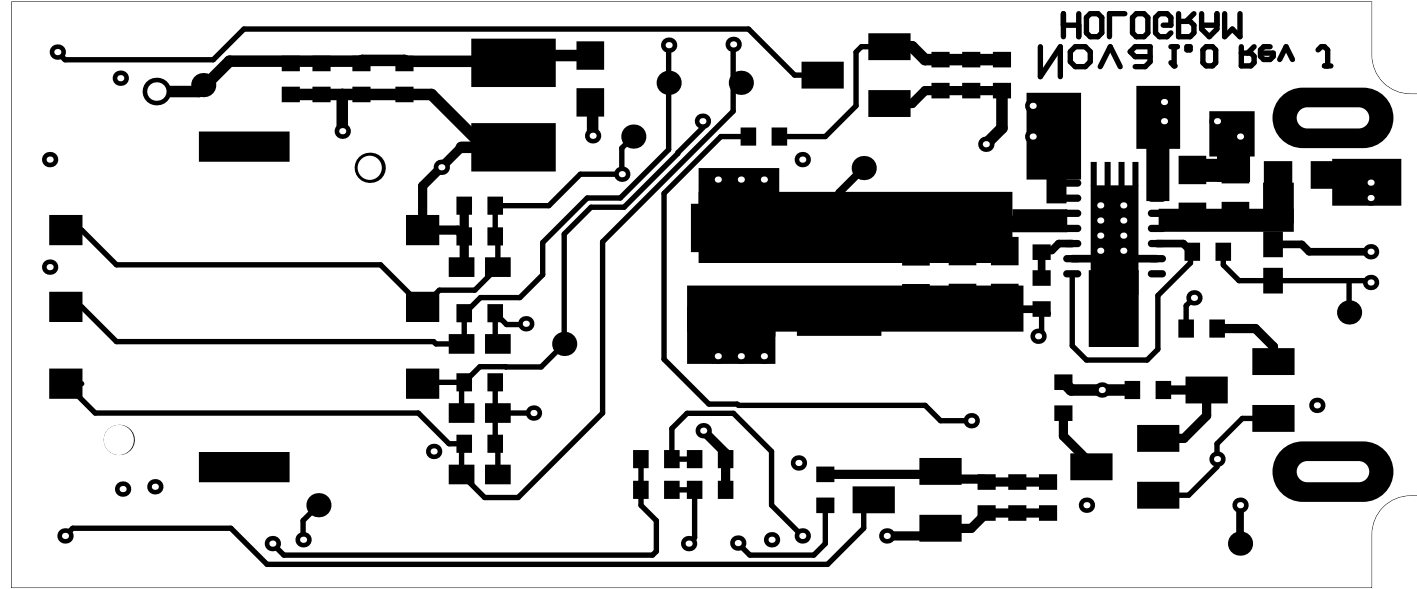
Internal Plane 1 (Scale 4:1)



Internal Plane 2 (Scale 4:1)



Bottom Layer (Scale 4:1)



2

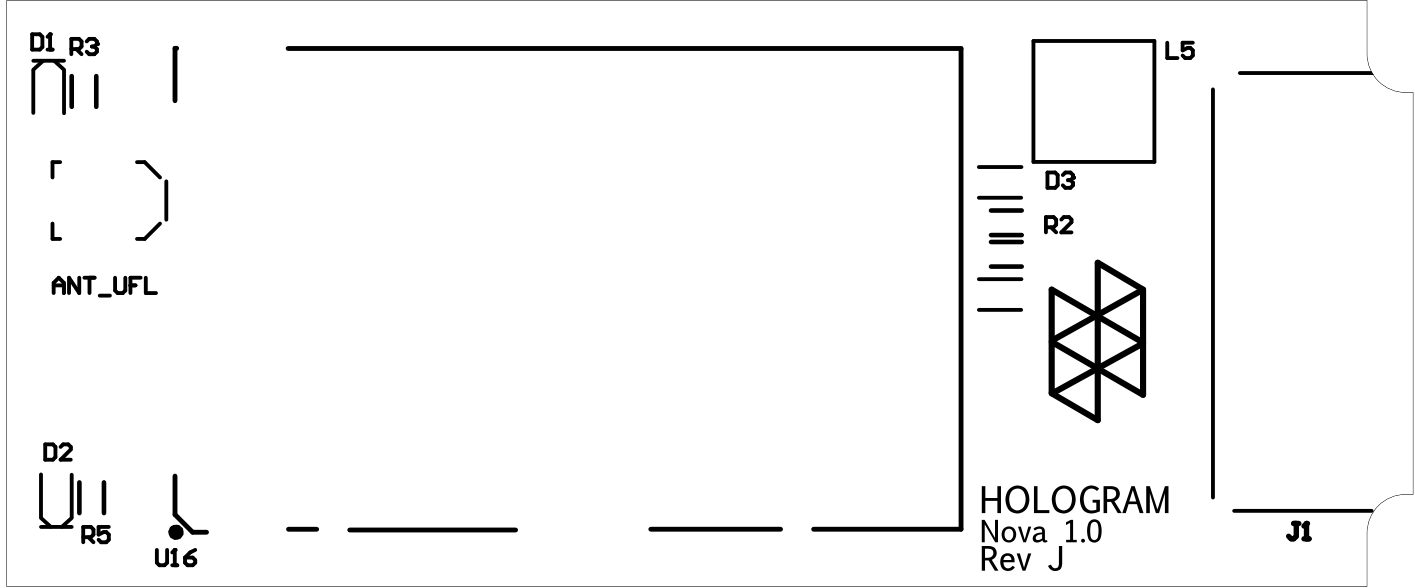
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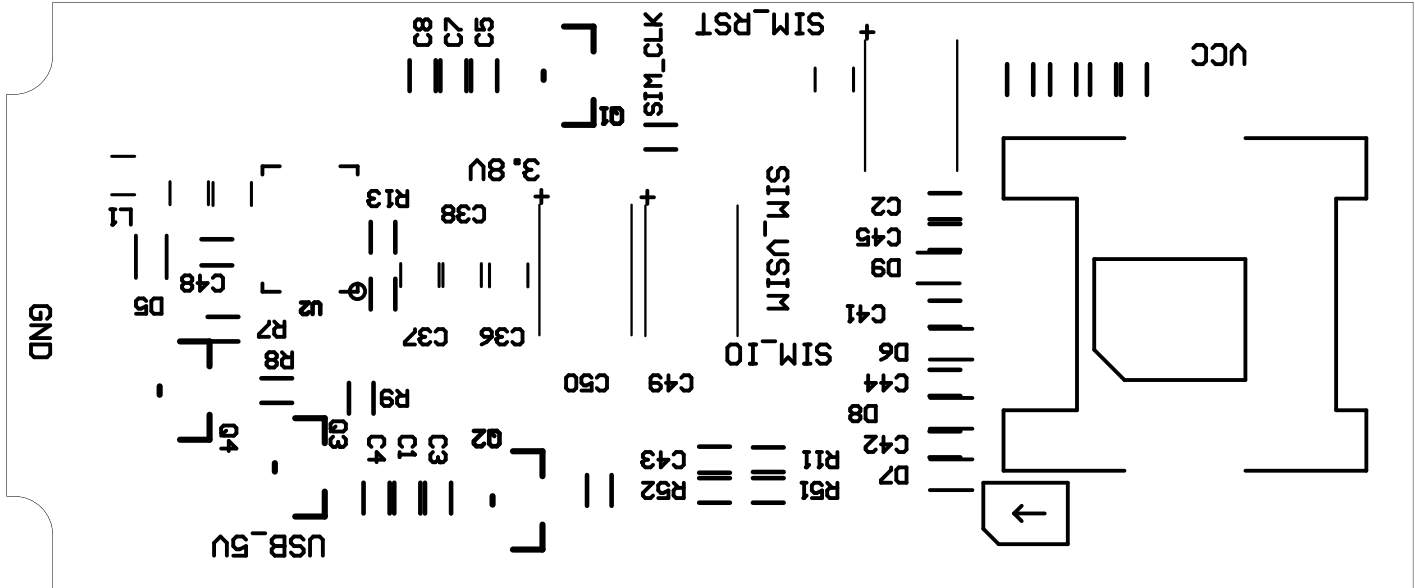
Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
Top Paste	Top Paste			Paste Mask	GTP
Top Overlay	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.4mil(0.010mm)	Solder Resist	Solder Mask	GTS
Copper	Top Layer	1.4mil(0.036mm)		Signal	GTL
Prepreg		8.0mil(0.203mm)		Dielectric	
Copper	Internal Plane 1	1.4mil(0.036mm)		Internal Plane	GP1
Core		40.0mil(1.016mm)	FR4	Dielectric	
Copper	Internal Plane 2	1.4mil(0.036mm)		Internal Plane	GP2
Prepreg		8.0mil(0.203mm)		Dielectric	
Copper	Bottom Layer	1.4mil(0.036mm)		Signal	GBL
Surface Material	Bottom Solder	0.4mil(0.010mm)	Solder Resist	Solder Mask	GBS
Bottom Overlay				Legend	GBO
Bottom Paste				Paste Mask	GBP
Total thickness: 62.4mil(1.585mm)					

Top Overlay (Scale 4:1)



Bottom Overlay (Scale 4:1)



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				CHECKED		BDL	7/13/2017	TITLE	
				ENG APPR.				Hologram Nova 1.0	
				MFG APPR.				Q.A.	
NEXT ASSY		USED ON		COMMENTS:				SIZE	DWG. NO.
APPLICATION								SCALE: 1:1	WEIGHT:
								SHEET 2 OF 4	

A

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D

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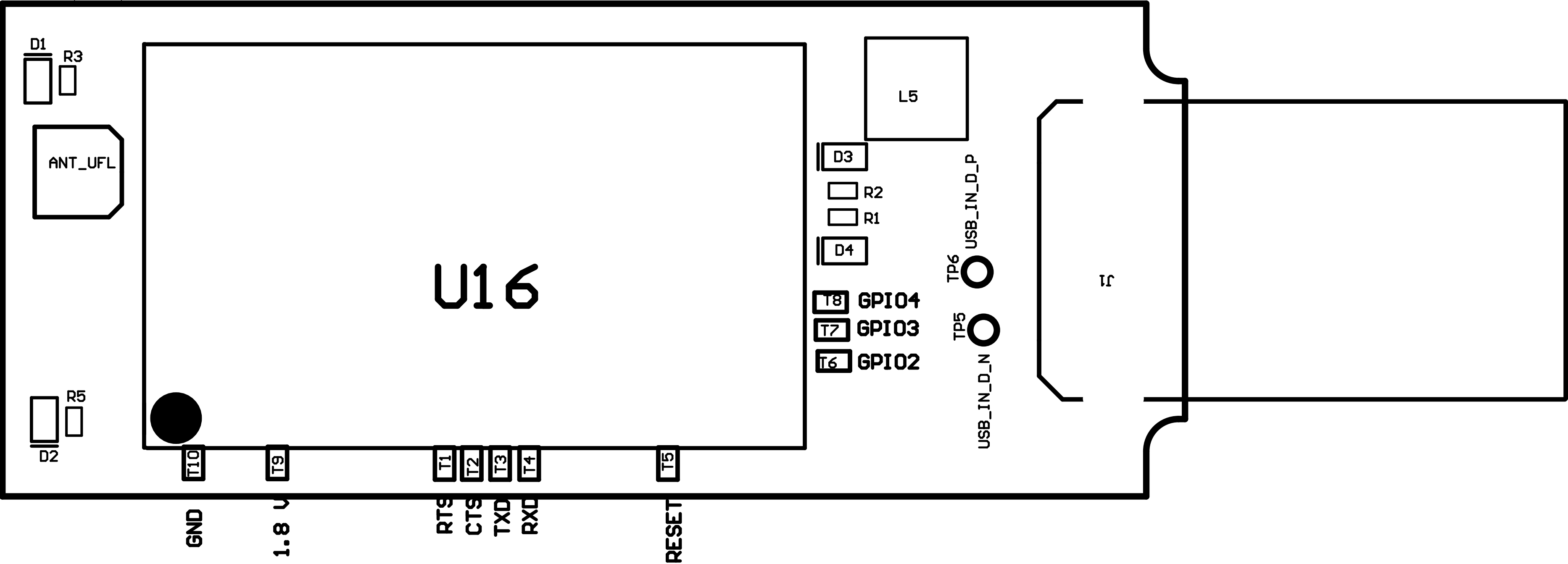
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2

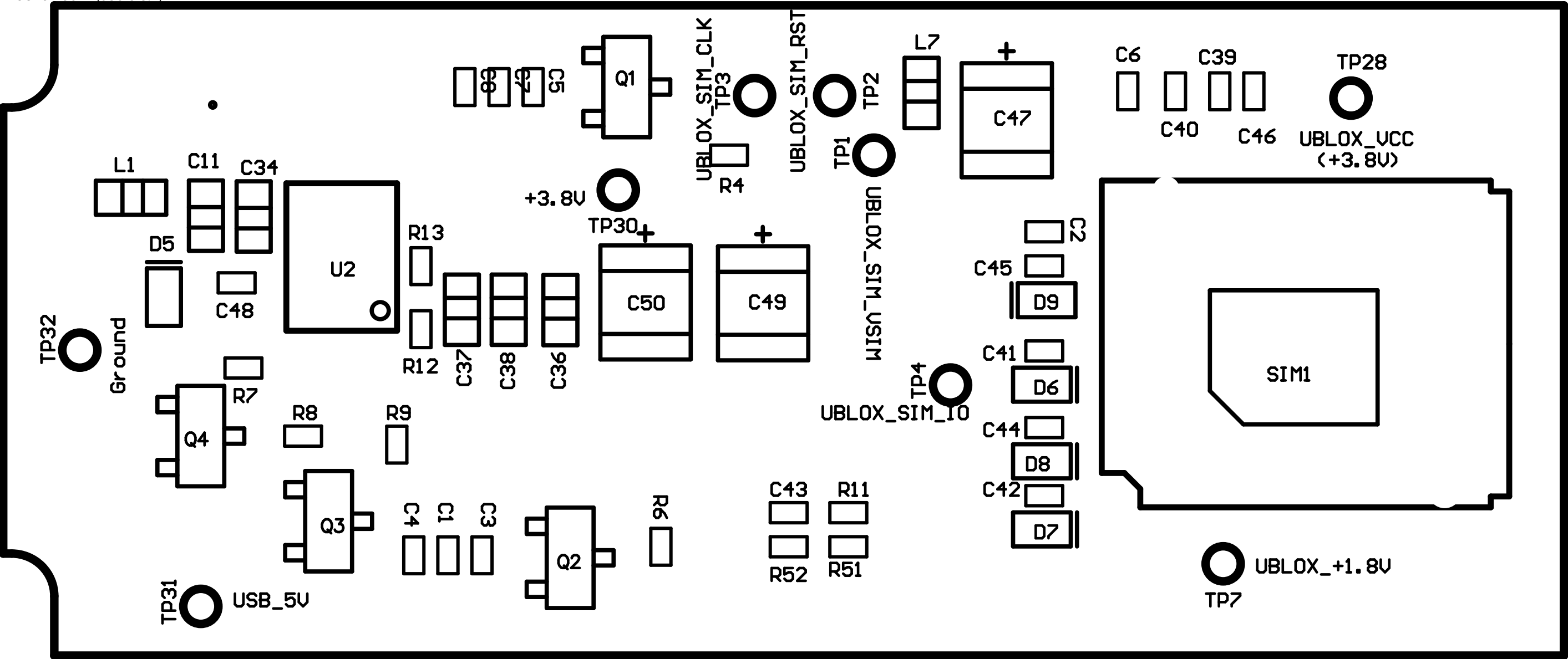
3

4

Mechanical 1 (Scale 8:1)



Mechanical 2 (Scale 8:1)



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		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±				TITLE		
		THREE PLACE DECIMAL ±						
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					
		MATERIAL	COMMENTS:					
		FINISH				SIZE	DWG. NO.	
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING						
			SCALE: 1:1		WEIGHT:	SHEET 3 OF 4		

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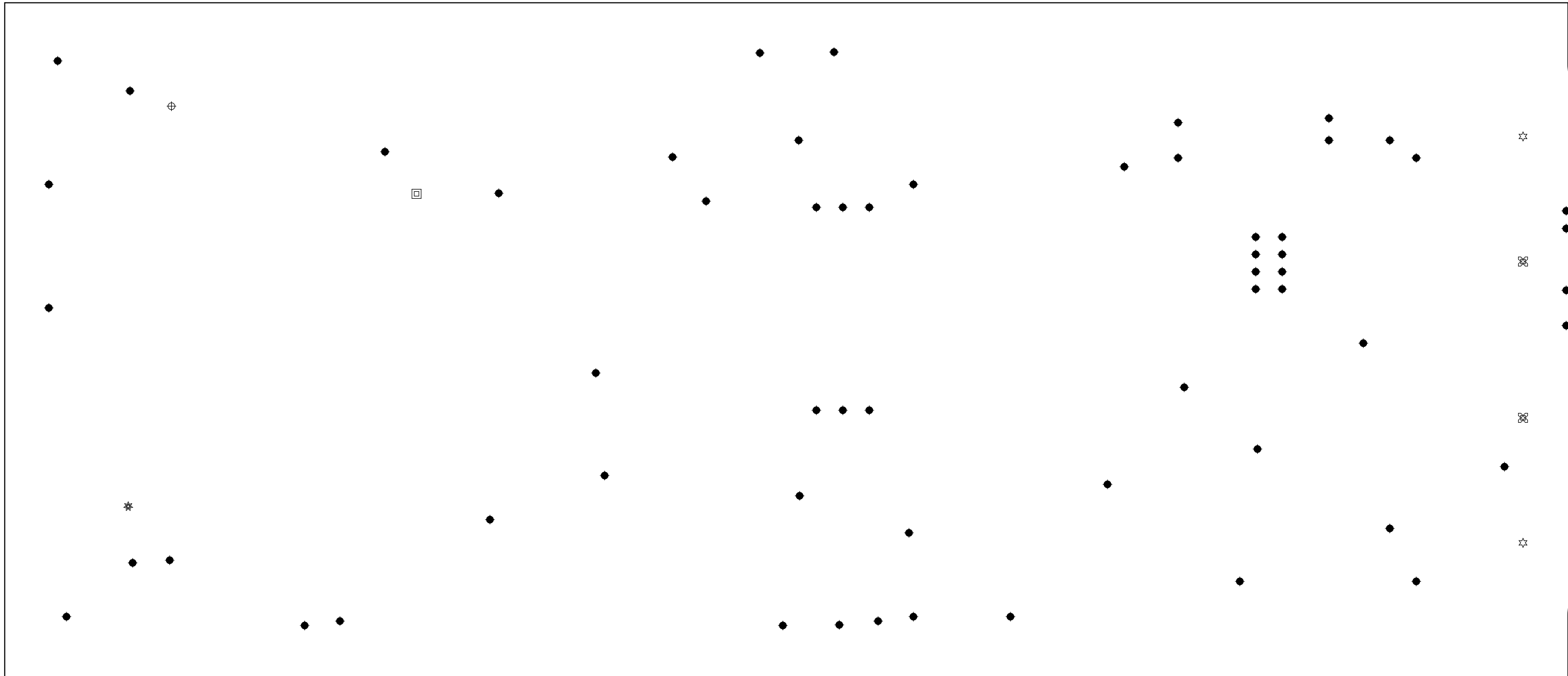
1

2

3

4

Drill Drawing View (Scale 8:1)



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
●	60	8.0	Plated	None
⊕	1	24.0	Plated	None
☆	2	27.6	Plated	None
⊞	1	31.5	Plated	None
*	1	39.4	Plated	None
⊞	2	43.3	Non-Plated	None
67 Total				

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	hologram.io		
		DIMENSIONS ARE IN INCHES	DRAWN	BDL	7/13/2017	Hologram Nova 1.0		
		TOLERANCES:	CHECKED					
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		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SCALE: 1:1 WEIGHT: SHEET 4 OF 4		
		THREE PLACE DECIMAL ±	COMMENTS:					
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.	
		MATERIAL						
		FINISH						
NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
APPLICATION								

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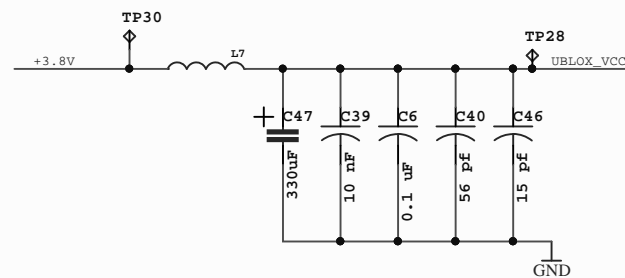
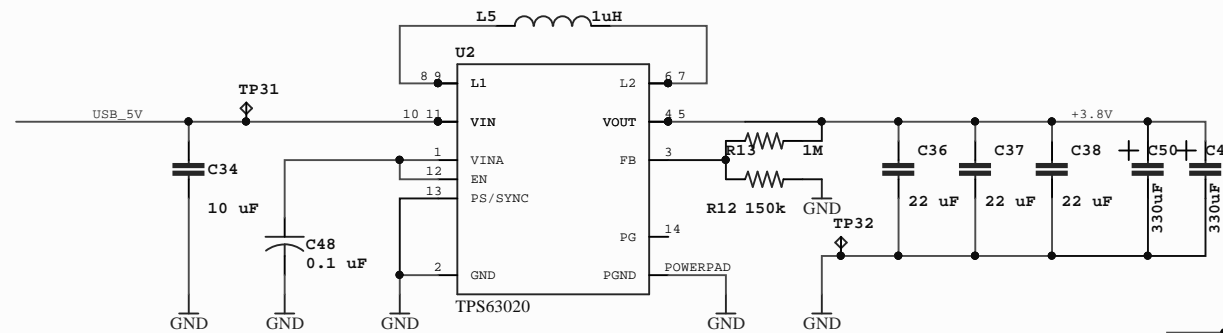
C

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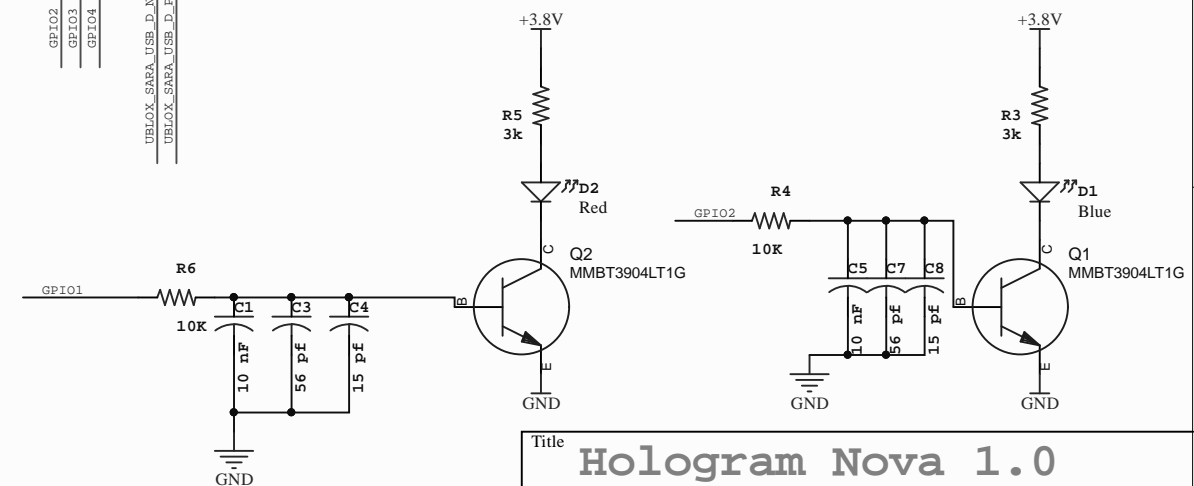
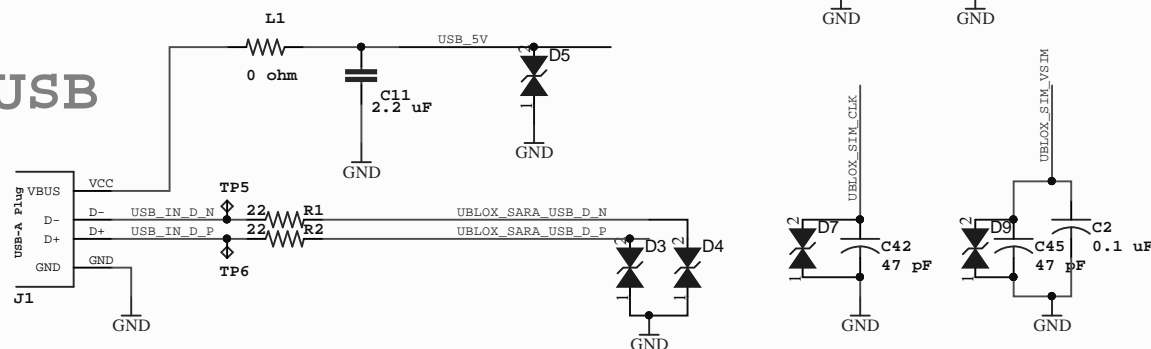
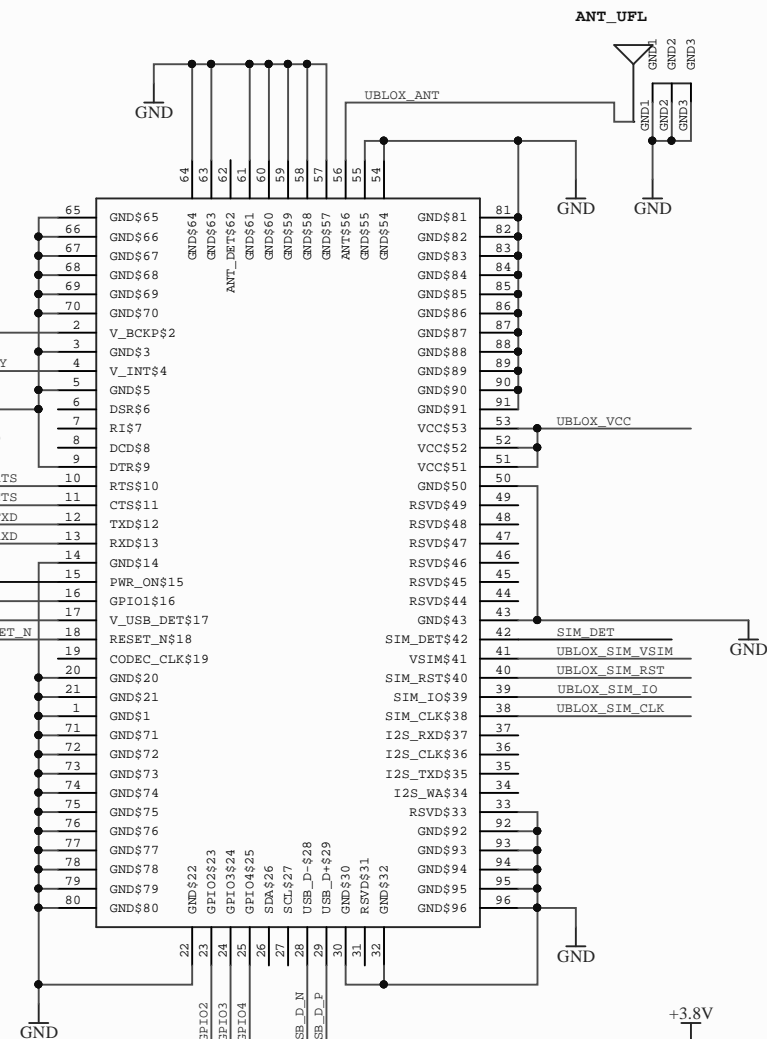
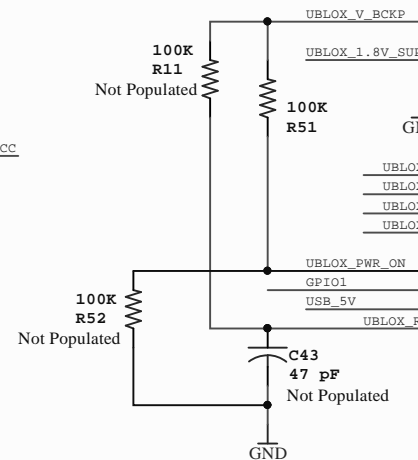
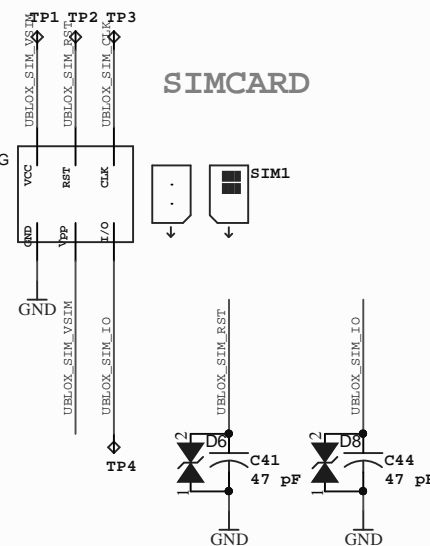
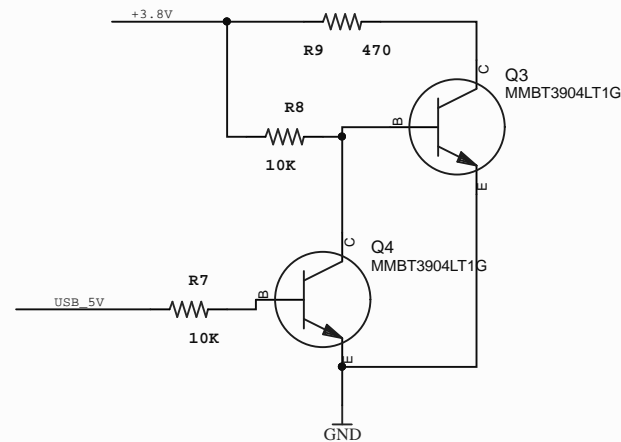
E

F

+3.8V VREG



+3.8V Discharge



Title Hologram Nova 1.0		
Size B		Revision J
Date 4/19/2017	Sheet 1 of 1	