

764mil

1772mil

- 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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		DIMENSIONS ARE IN INCHES	DRAWN	BDL	7/13/2017	TITLE		
		TOLERANCES:	CHECKED			Hologram Nova 1.0		
		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								

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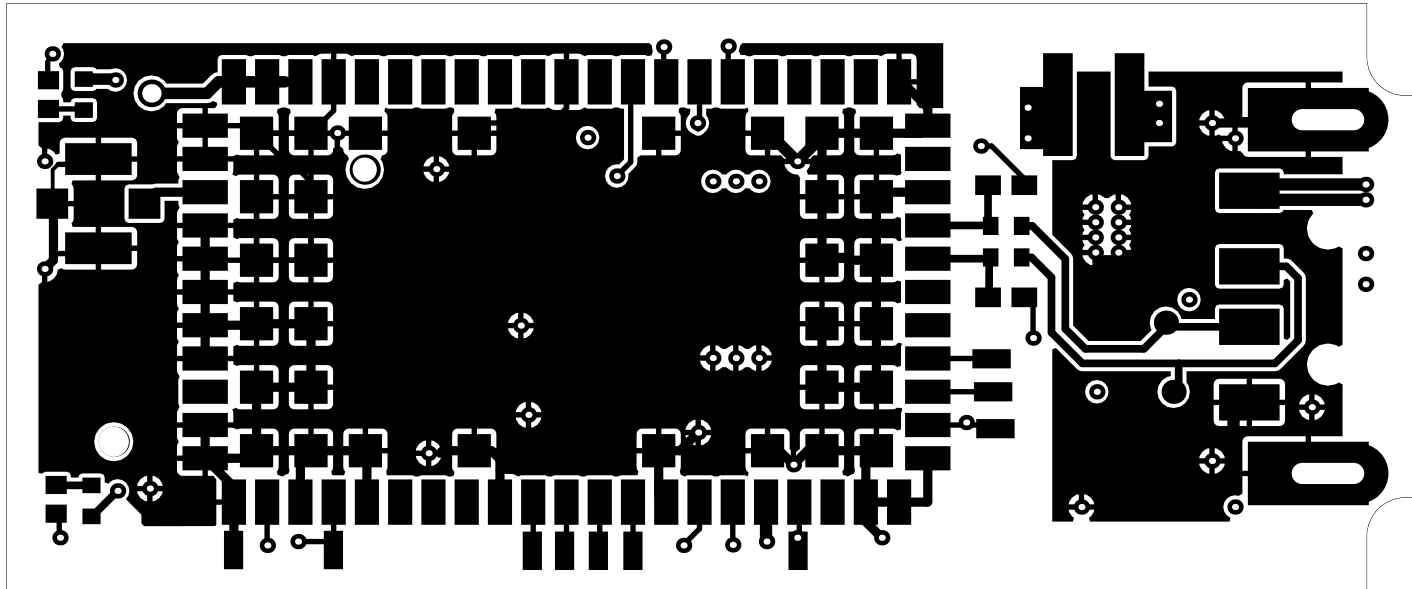
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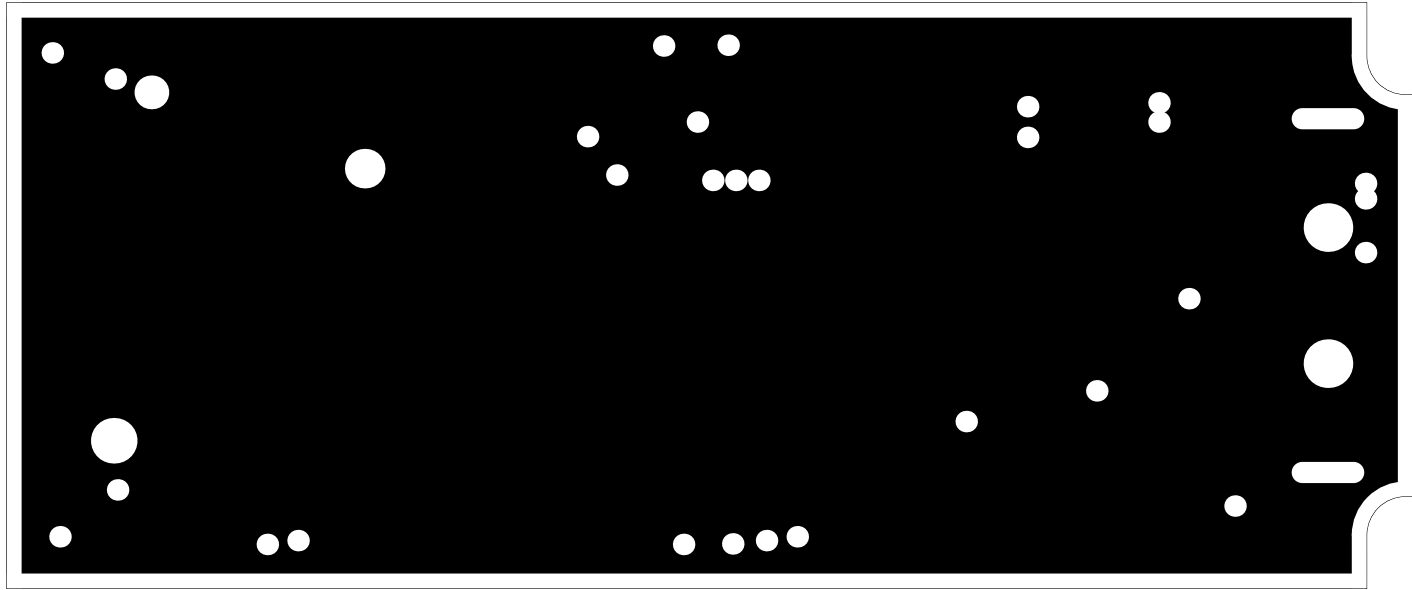
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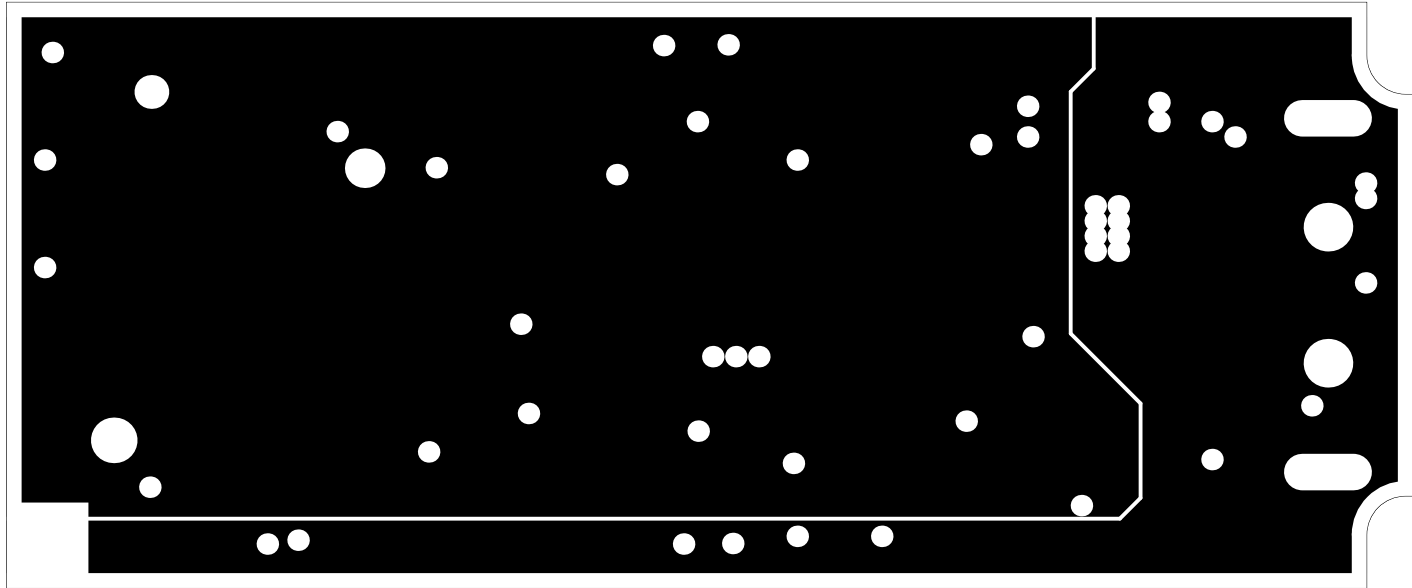
Top Layer (Scale 4:1)



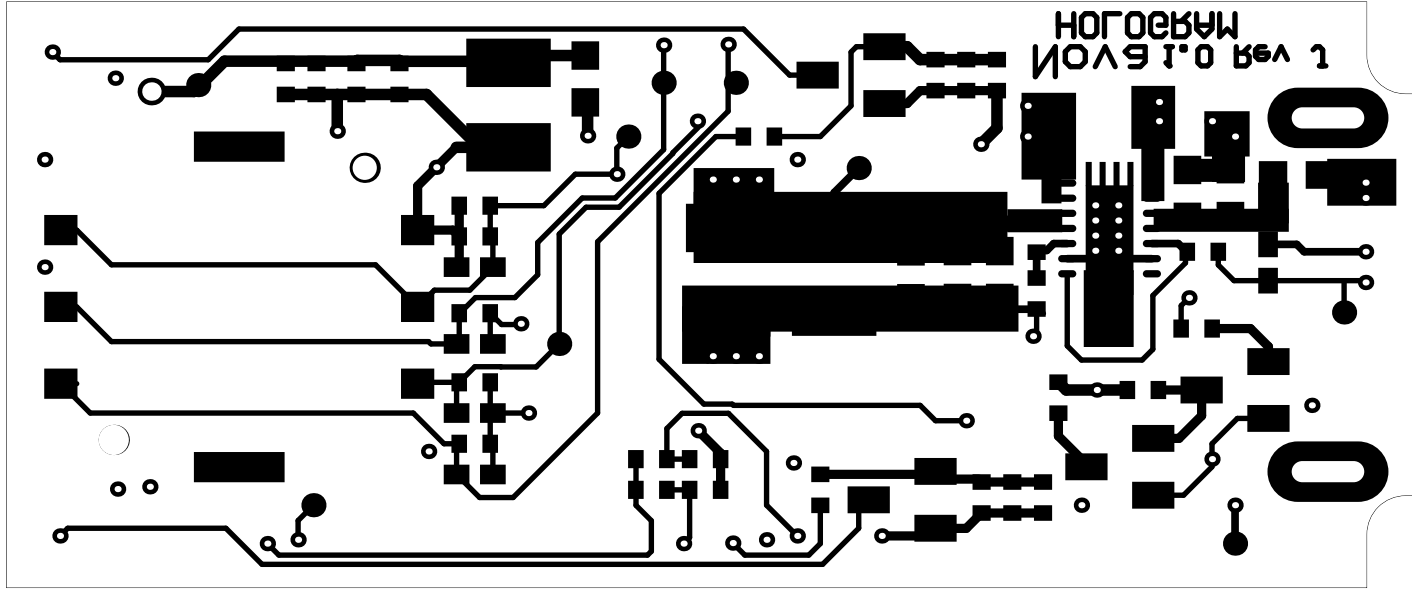
Internal Plane 1 (Scale 4:1)



Internal Plane 2 (Scale 4:1)



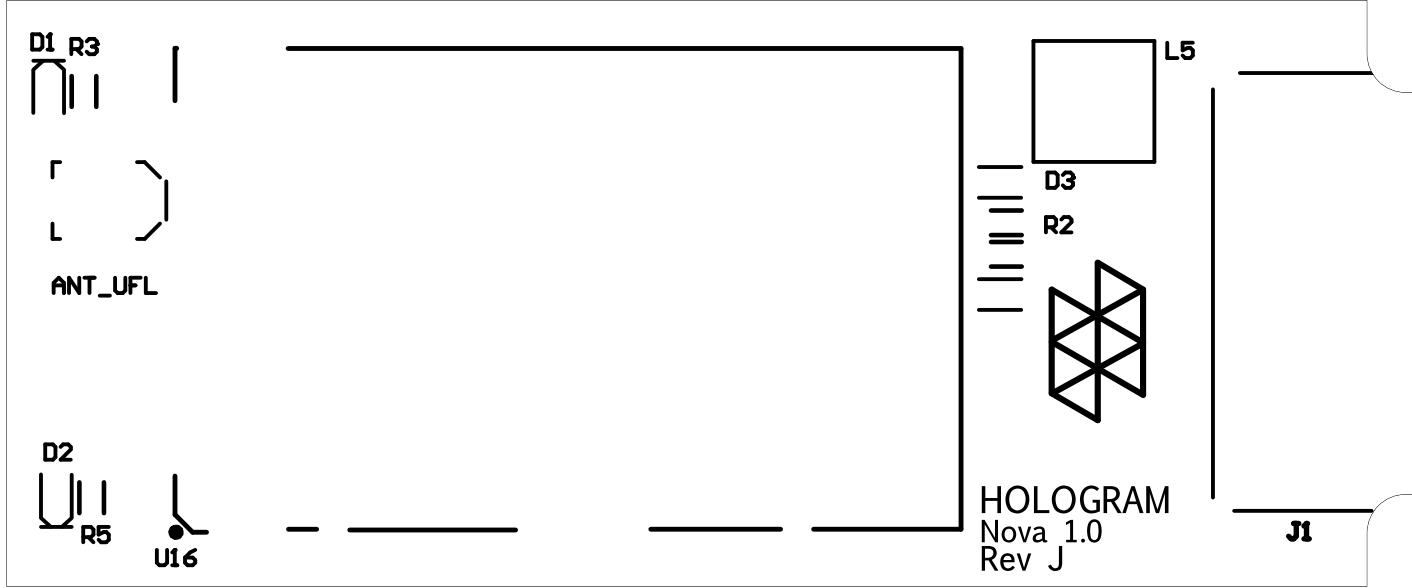
Bottom Layer (Scale 4:1)



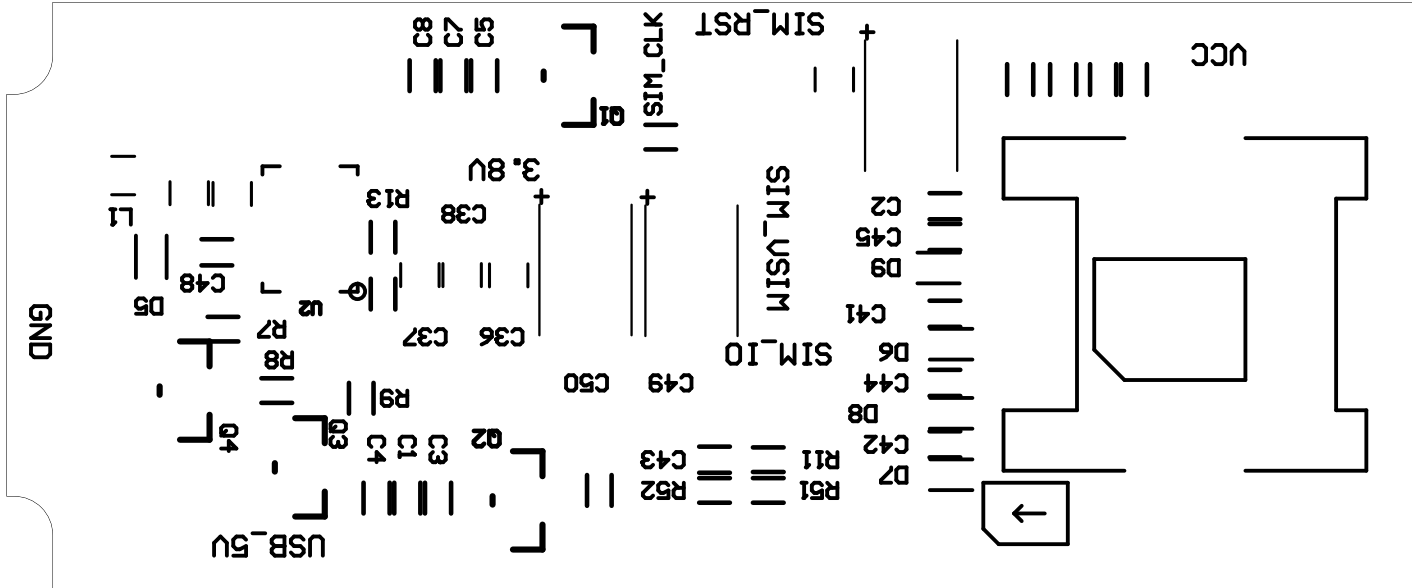
Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
Surface Material	Top Paste			Paste Mask	GTP
	Top Overlay			Legend	GTO
Copper	Top Solder	0.4mil(0.010mm)	Solder Resist	Solder Mask	GTS
Prepreg	Top Layer	1.4mil(0.036mm)		Signal	GTL
		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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			ANGULAR: MACH ± BEND ±	ENG APPR.			SIZE DWG. NO.	
			TWO PLACE DECIMAL ±	MFG APPR.			SCALE: 1:1 WEIGHT: SHEET 2 OF 4	
	NEXT ASSY	USED ON	INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.				
			MATERIAL	COMMENTS:				
			FINISH					
	APPLICATION		DO NOT SCALE DRAWING					

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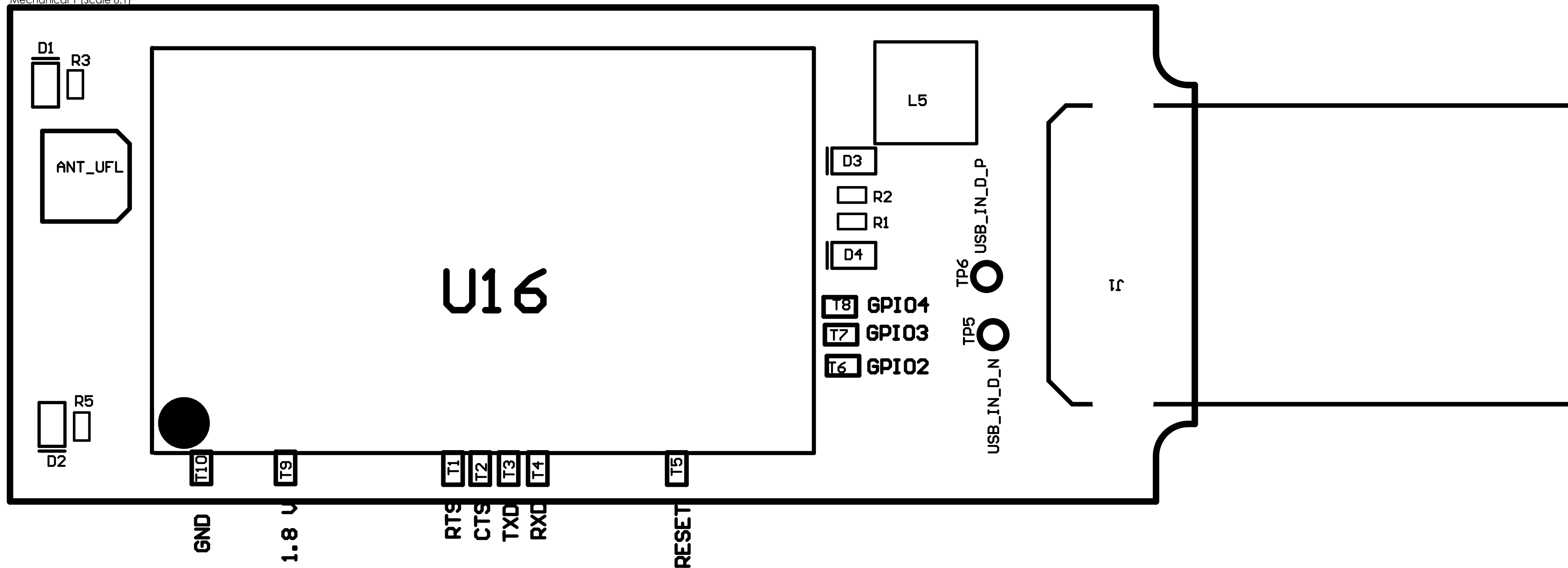
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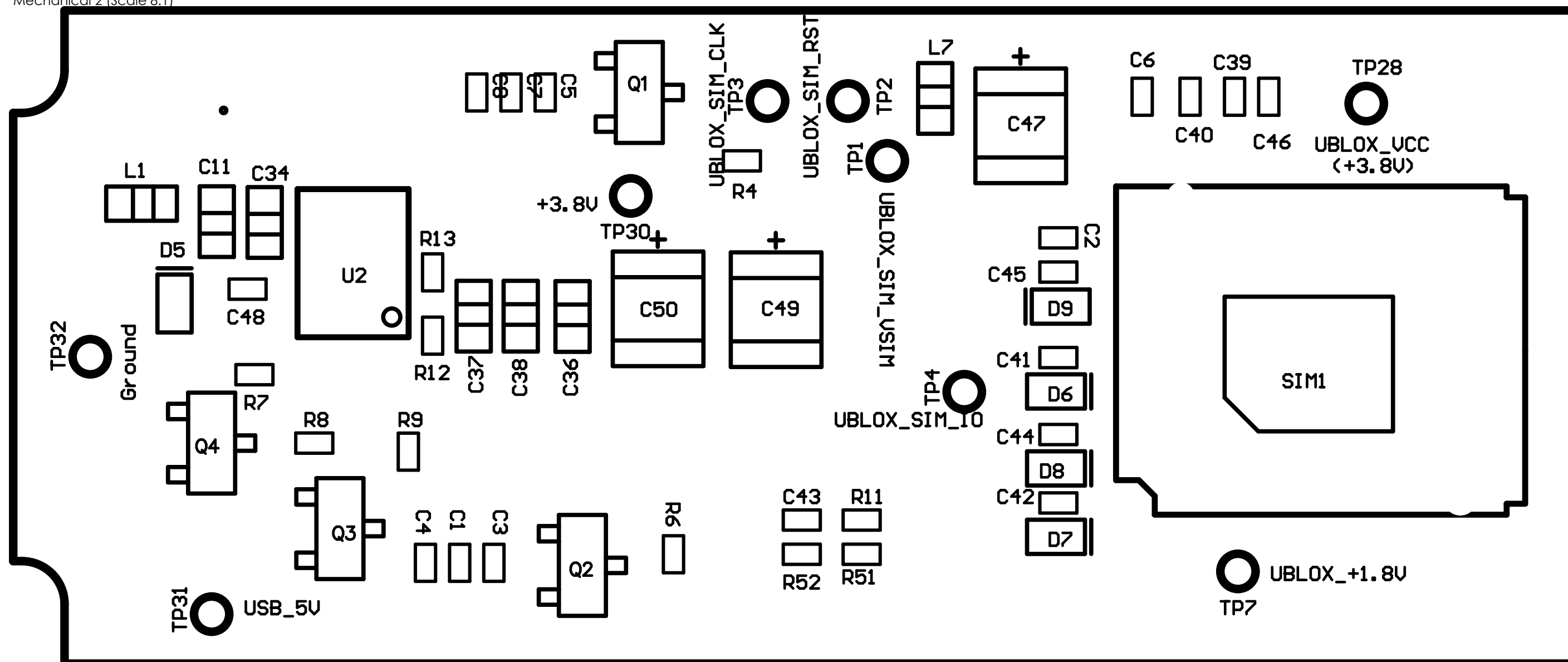
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Mechanical 1 (Scale 8:1)



Mechanical 2 (Scale 8:1)



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			CHECKED						TITLE	
			ENG APPR.							
			MFG APPR.							
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO.				
		MATERIAL	COMMENTS:							
		FINISH				SCALE: 1:1		WEIGHT:	SHEET 3 OF 4	
		APPLICATION	DO NOT SCALE DRAWING							
		NEXT ASSY	USED ON							

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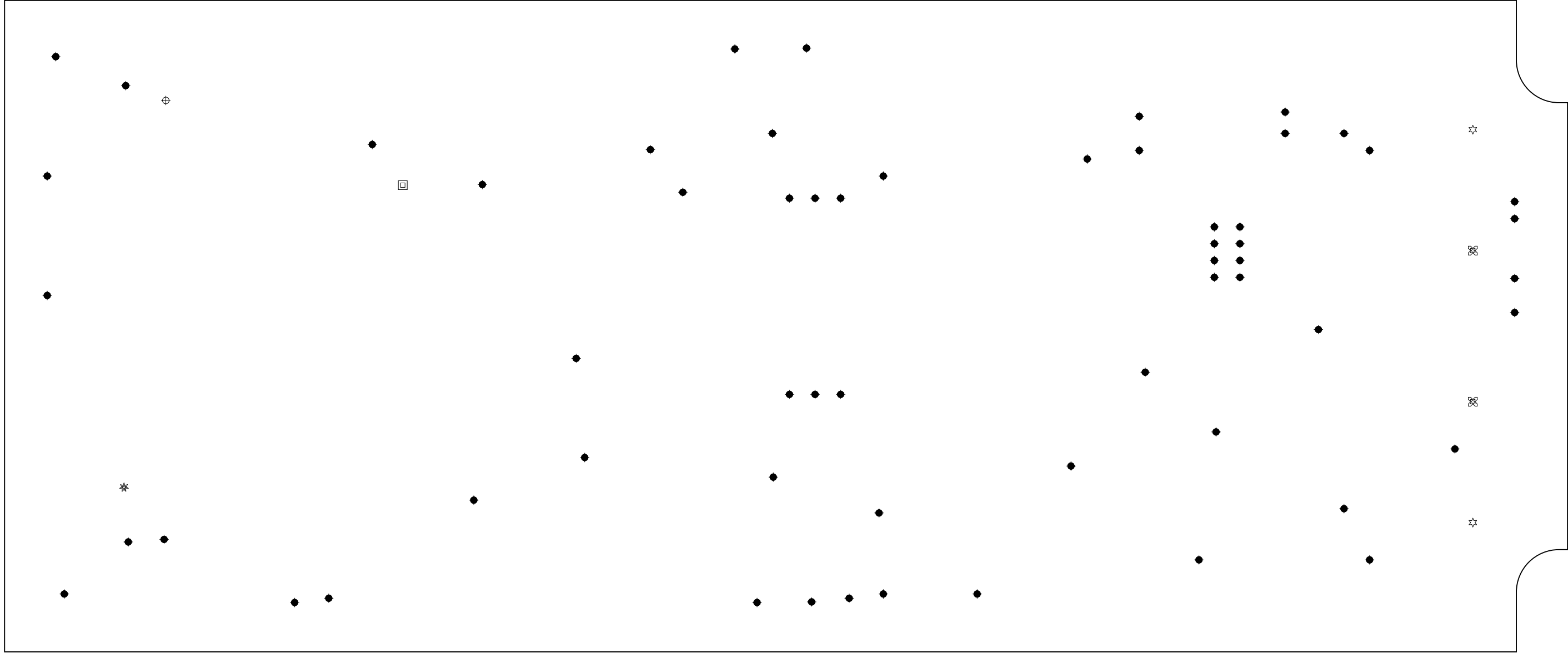
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Drill Drawing View (Scale 8:1)



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

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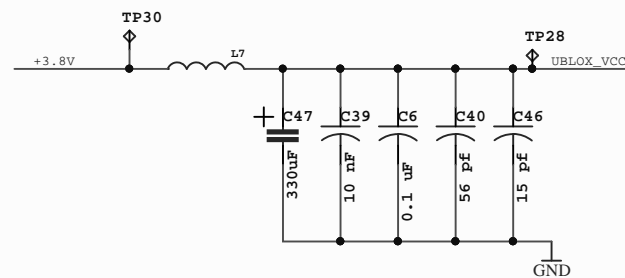
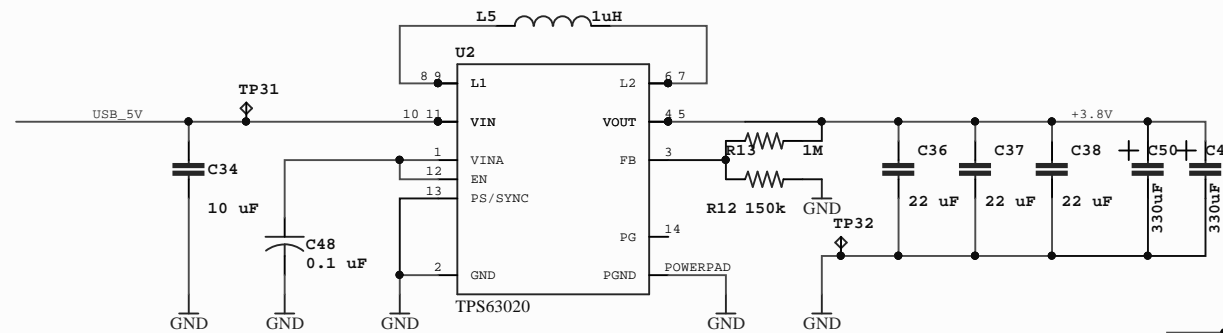
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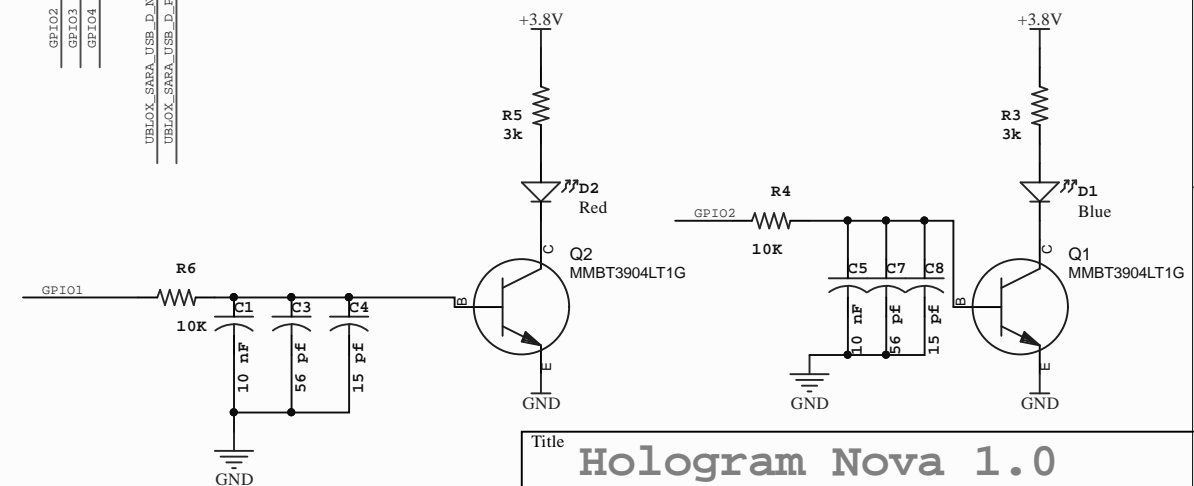
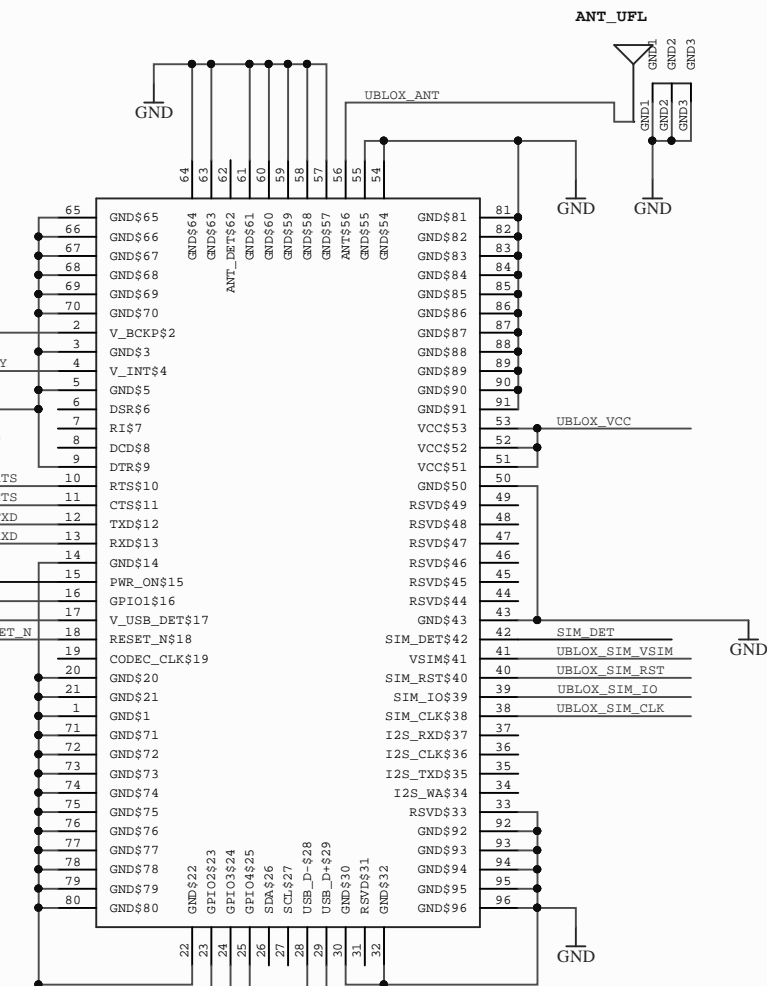
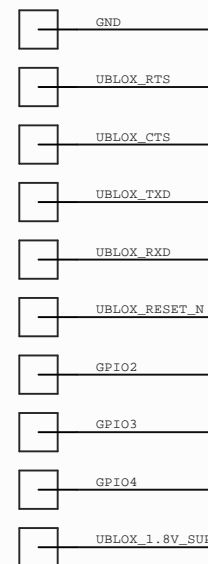
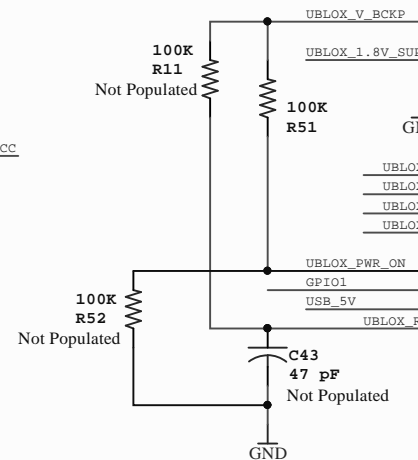
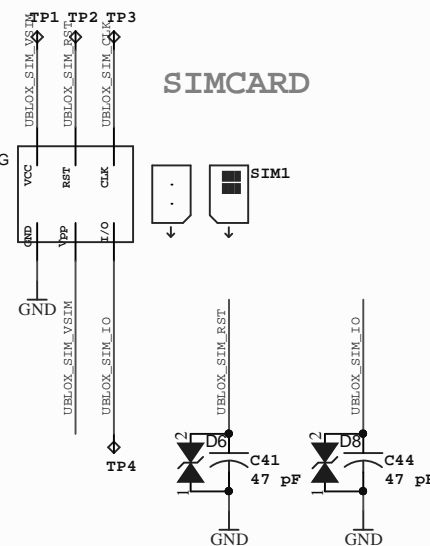
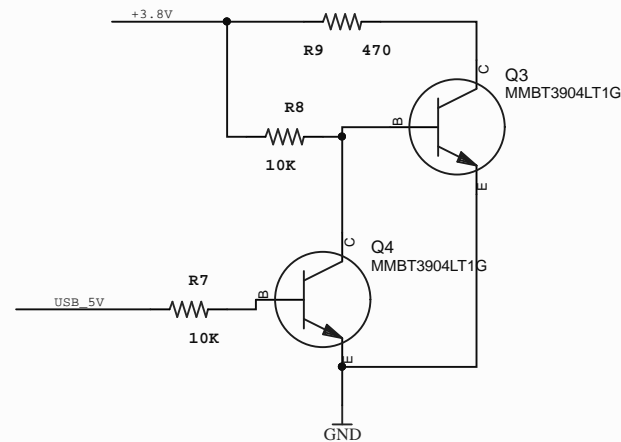
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+3.8V VREG



+3.8V Discharge



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