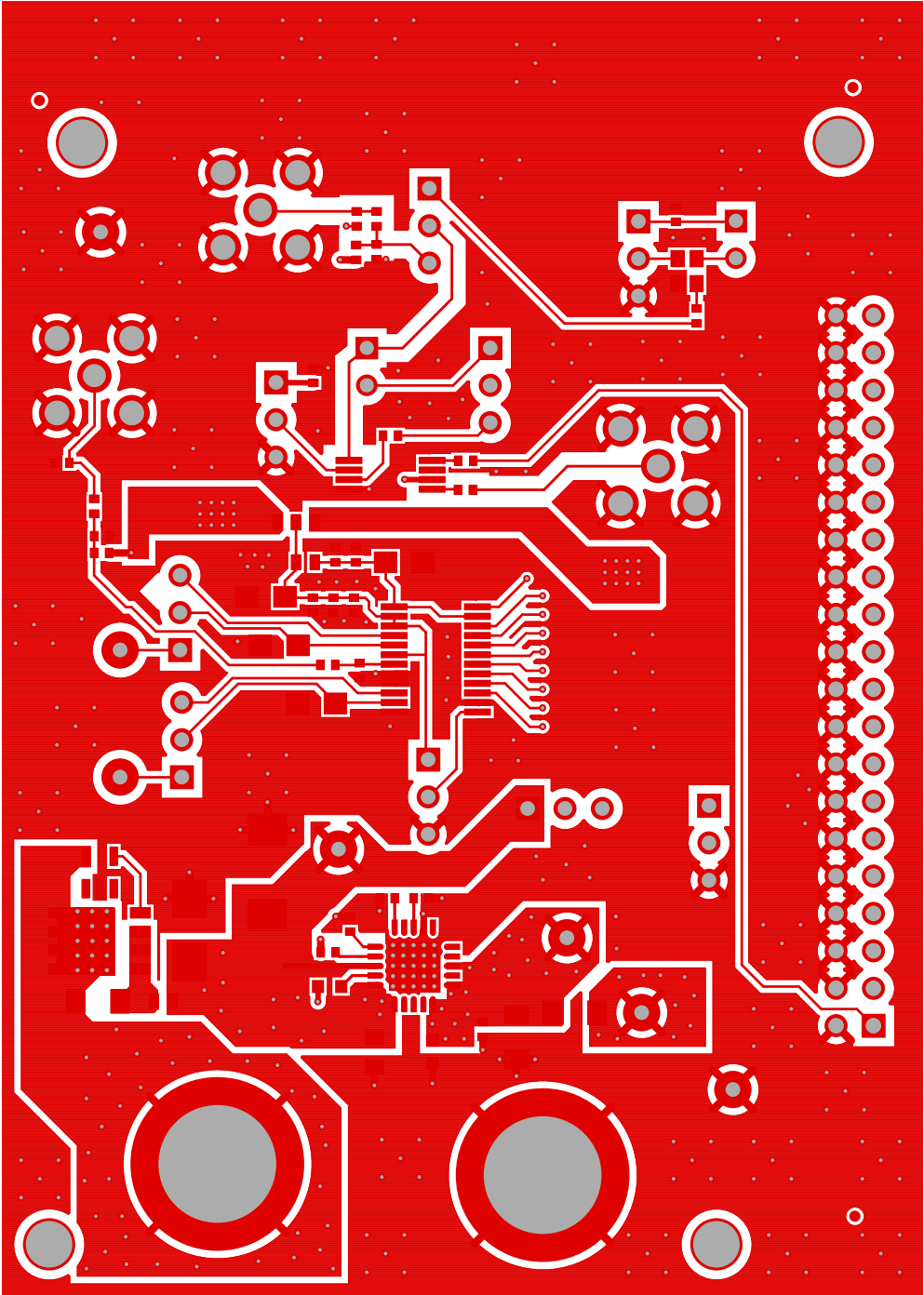
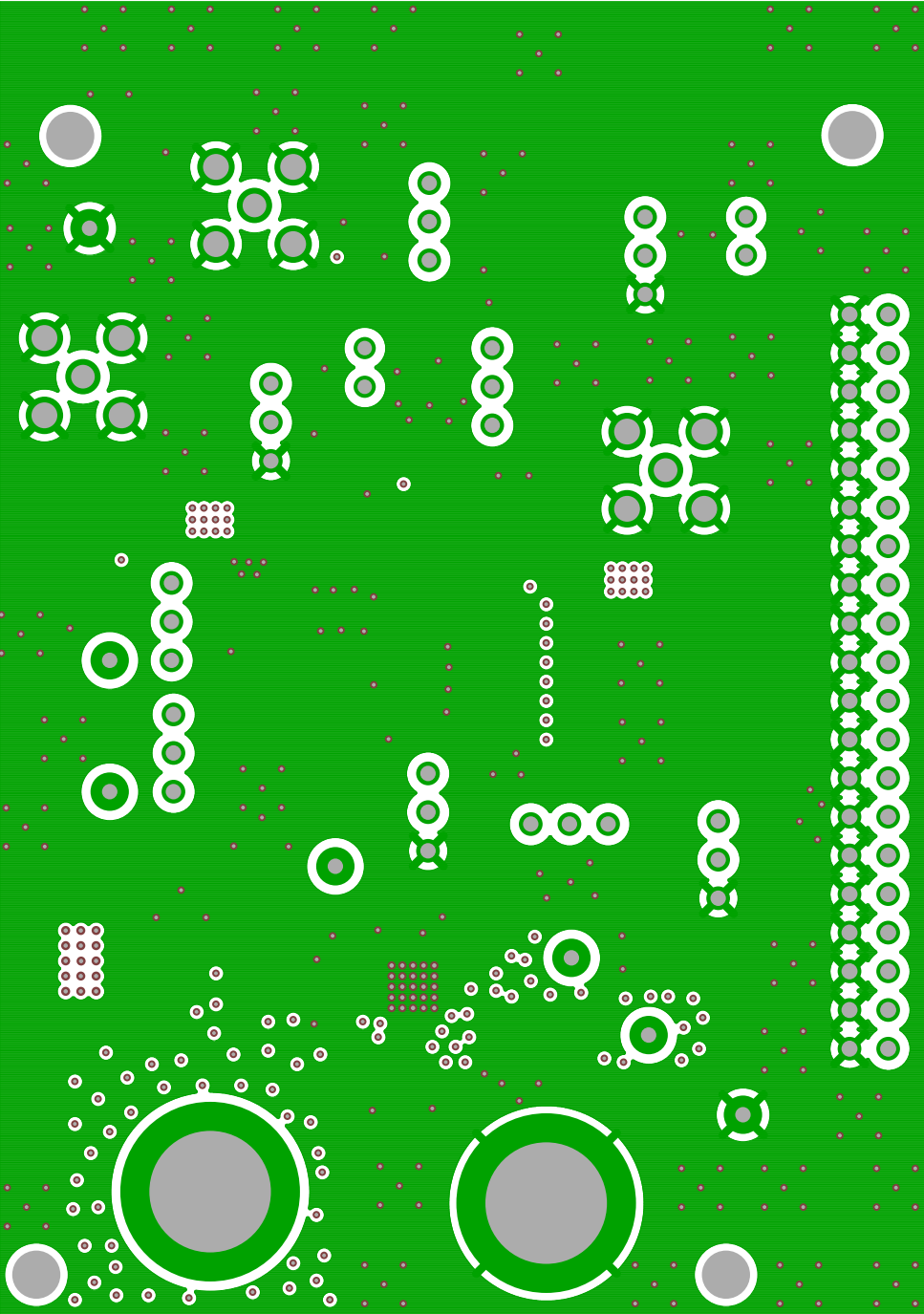
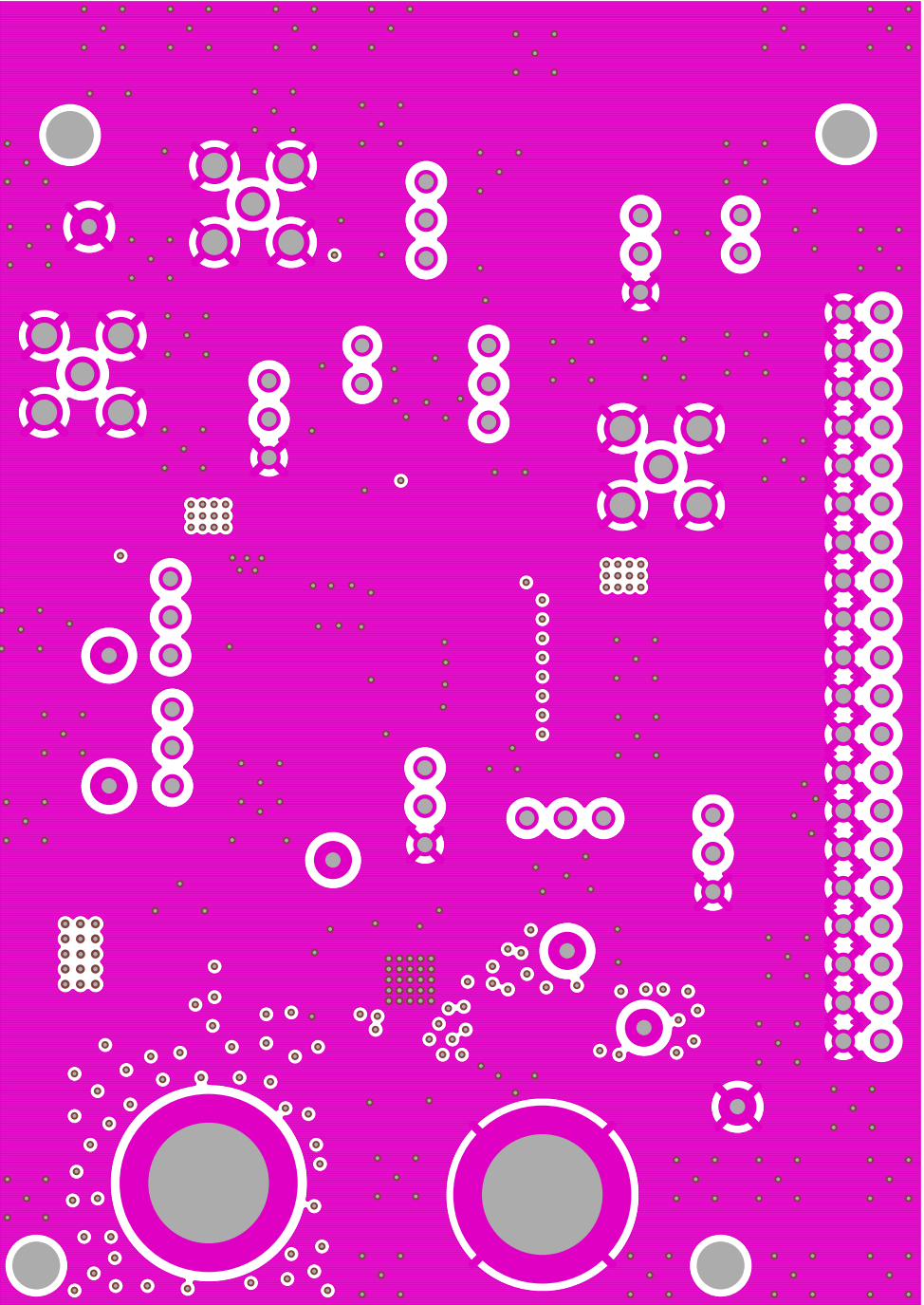




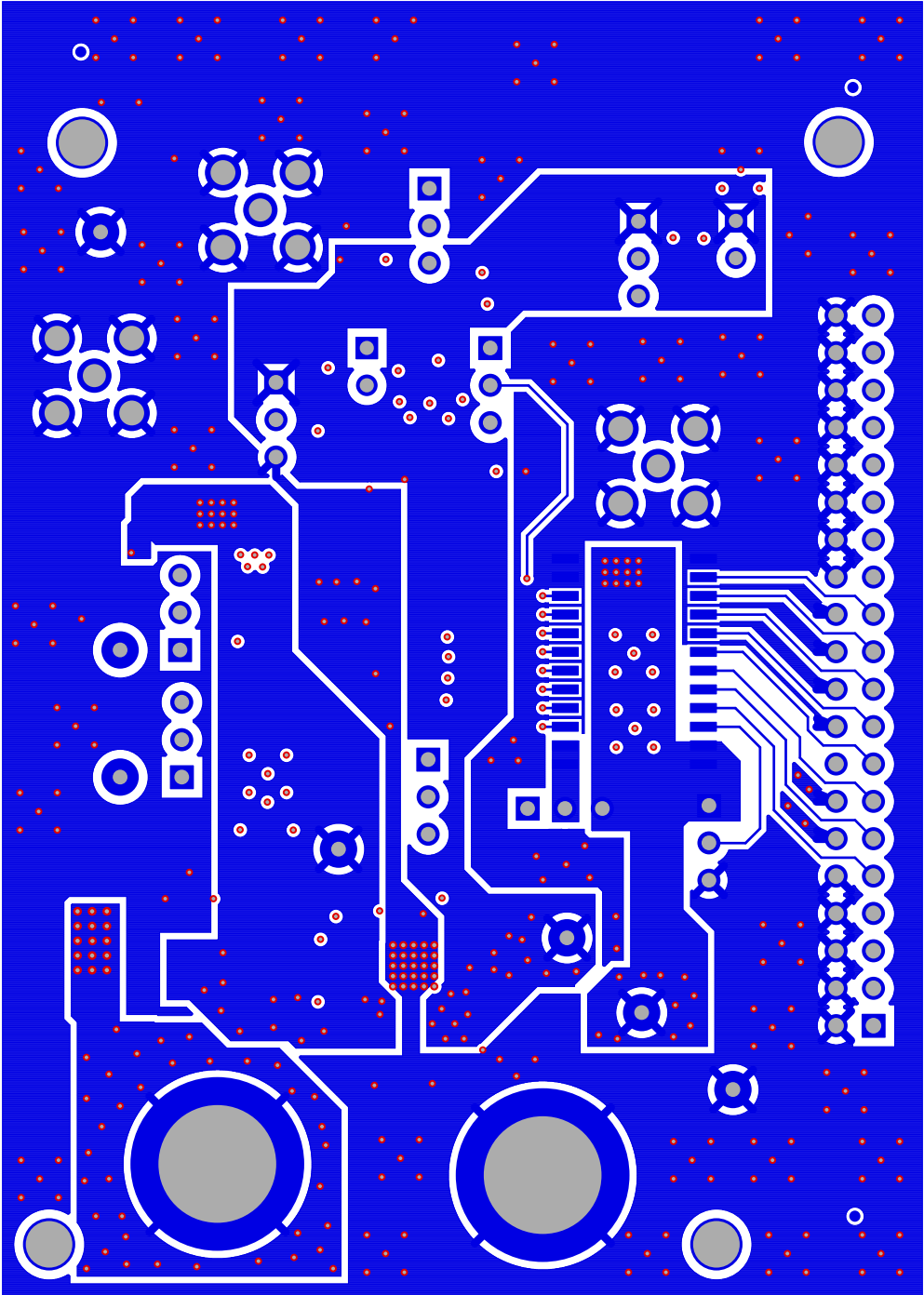
TOP SIDE



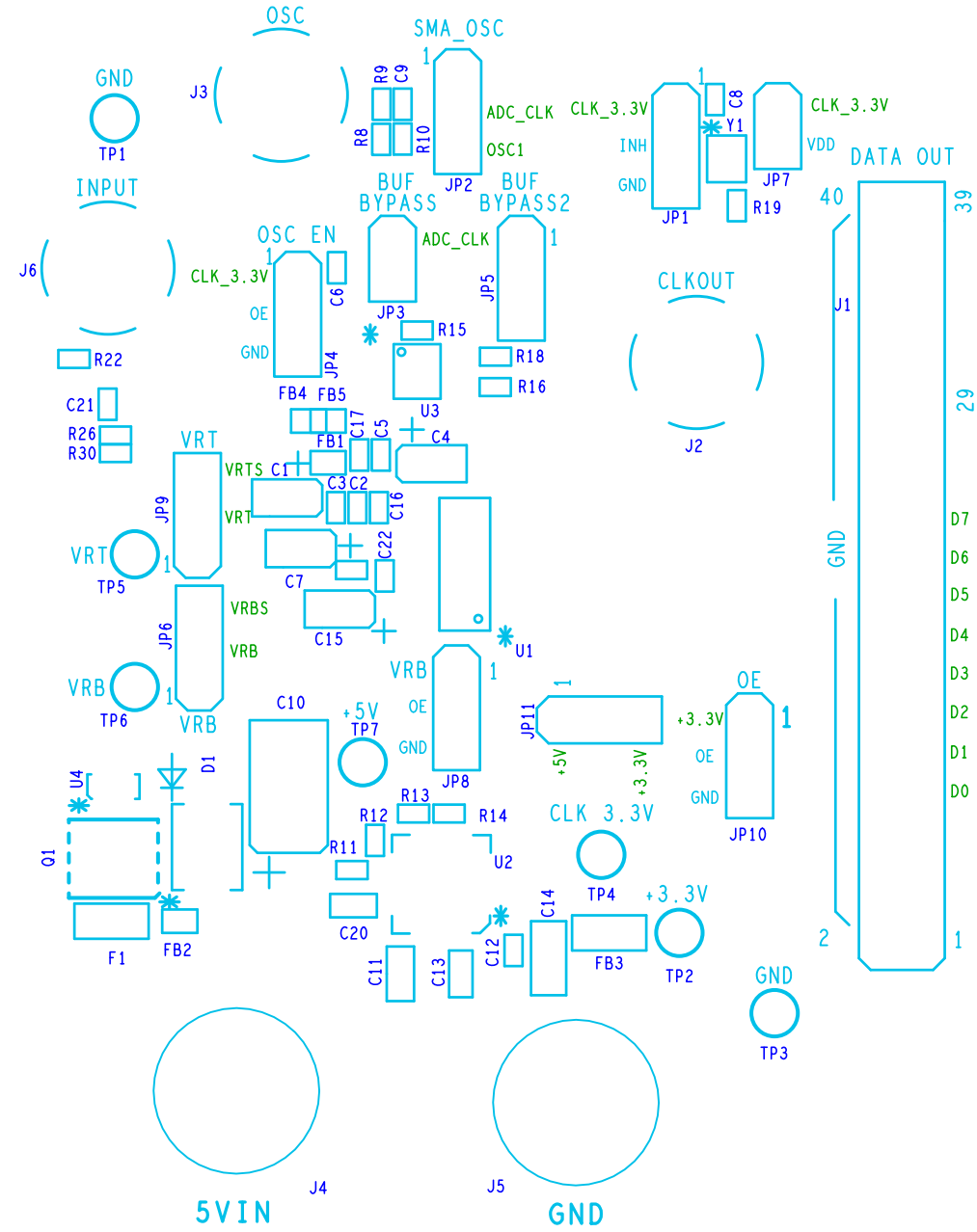
GROUND PLANE 1



GROUND PLANE 2



BOTTOM SIDE



DC051A
2\N: [redacted]
not FCC approved for resale.
For evaluation only

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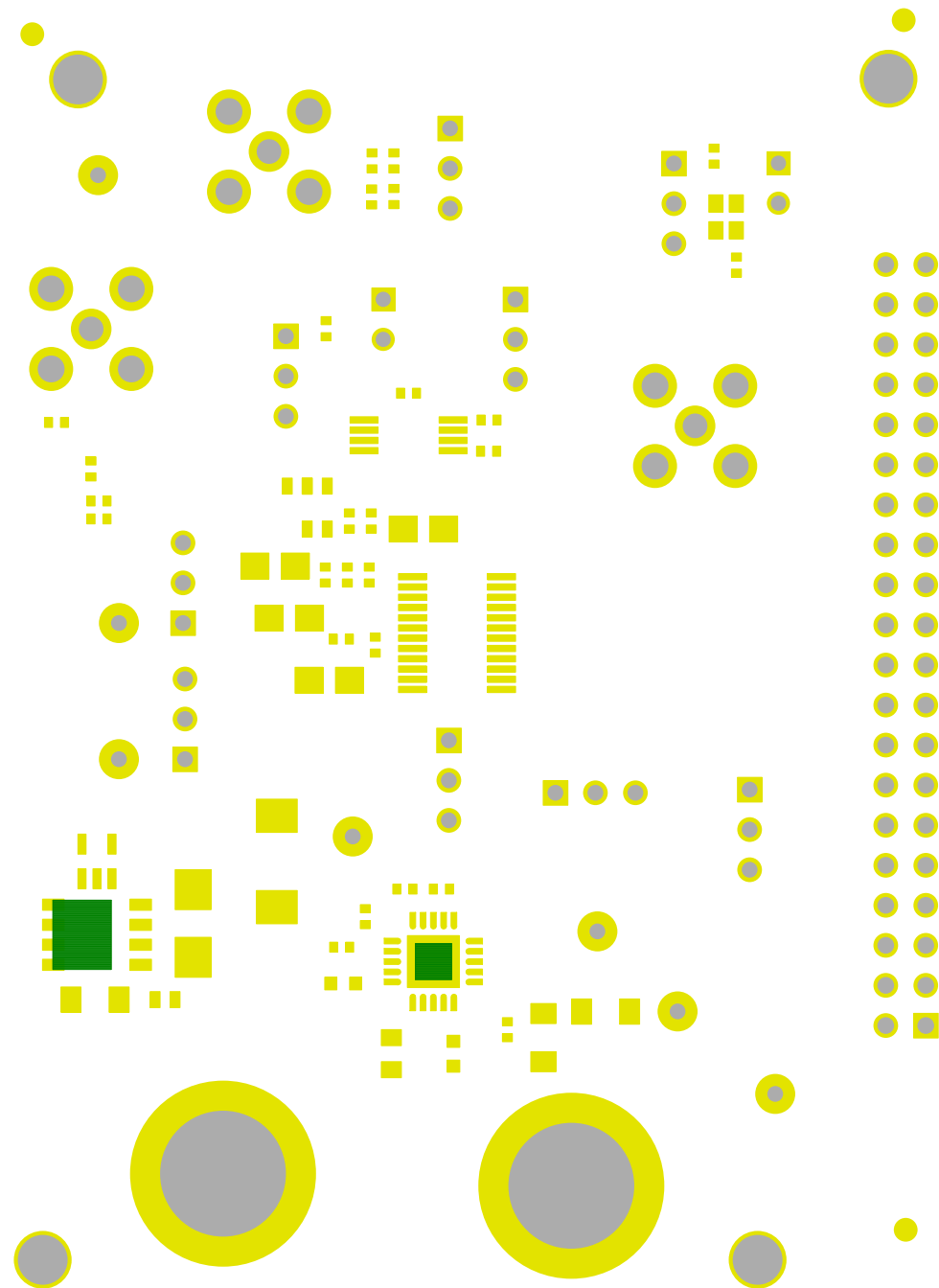
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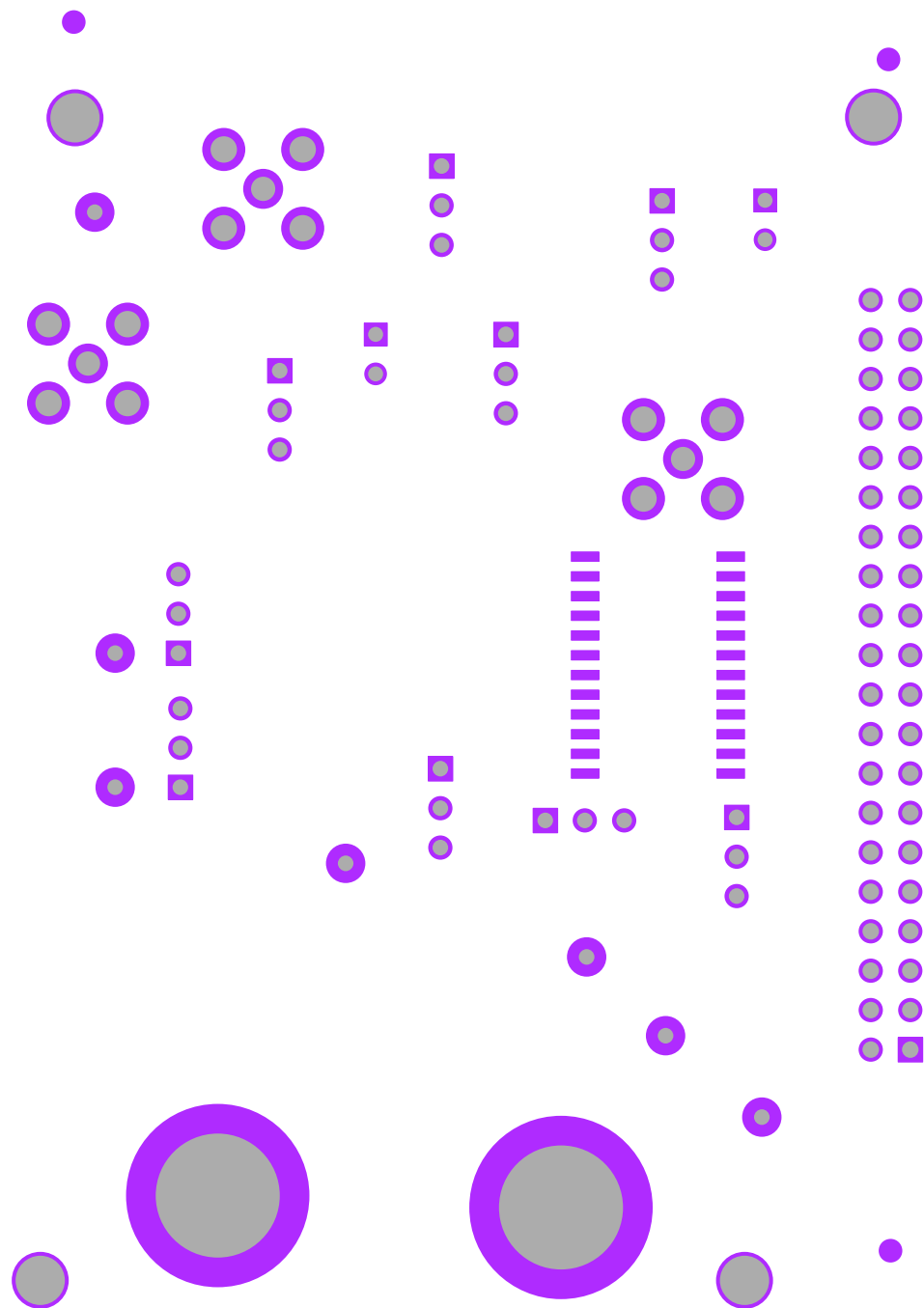

[redacted]



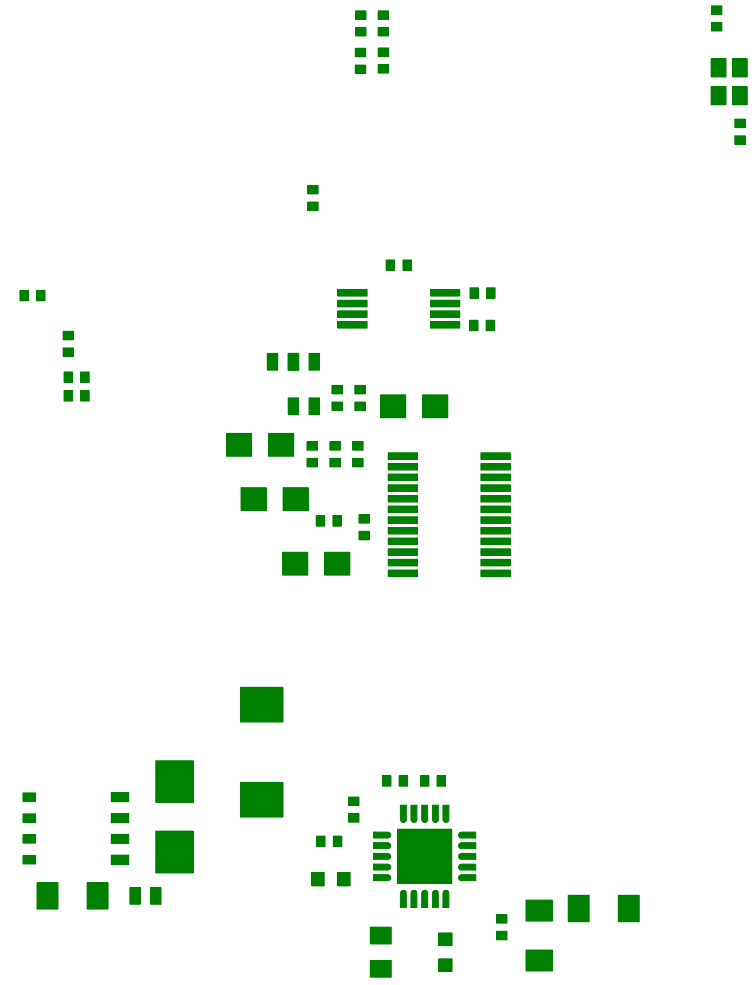

U2
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SOLDERMASK TOP



SOLDERMASK BOTTOM



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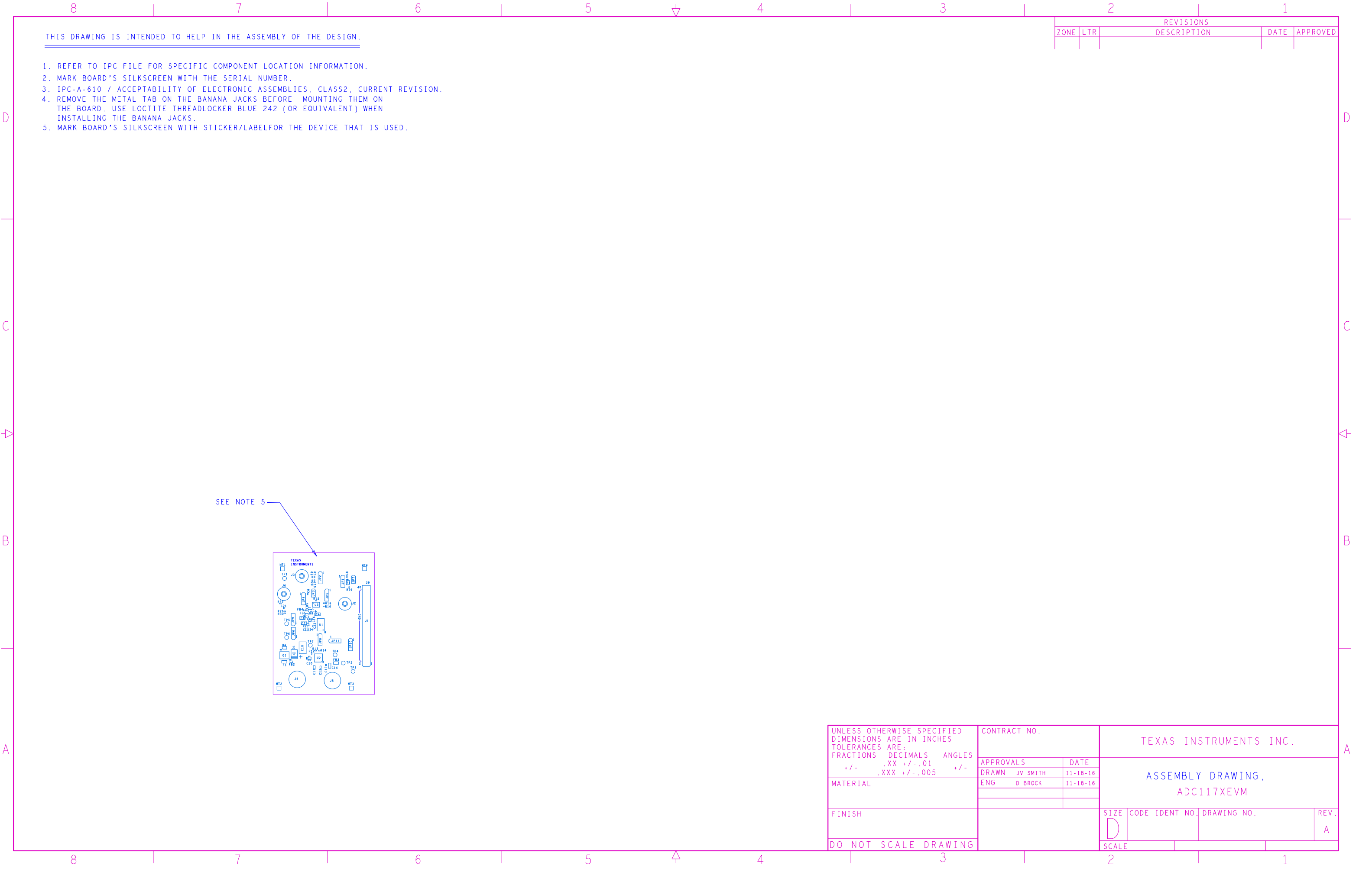
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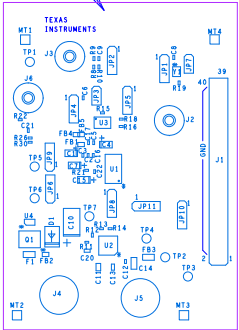
PASTEMASK BOTTOM



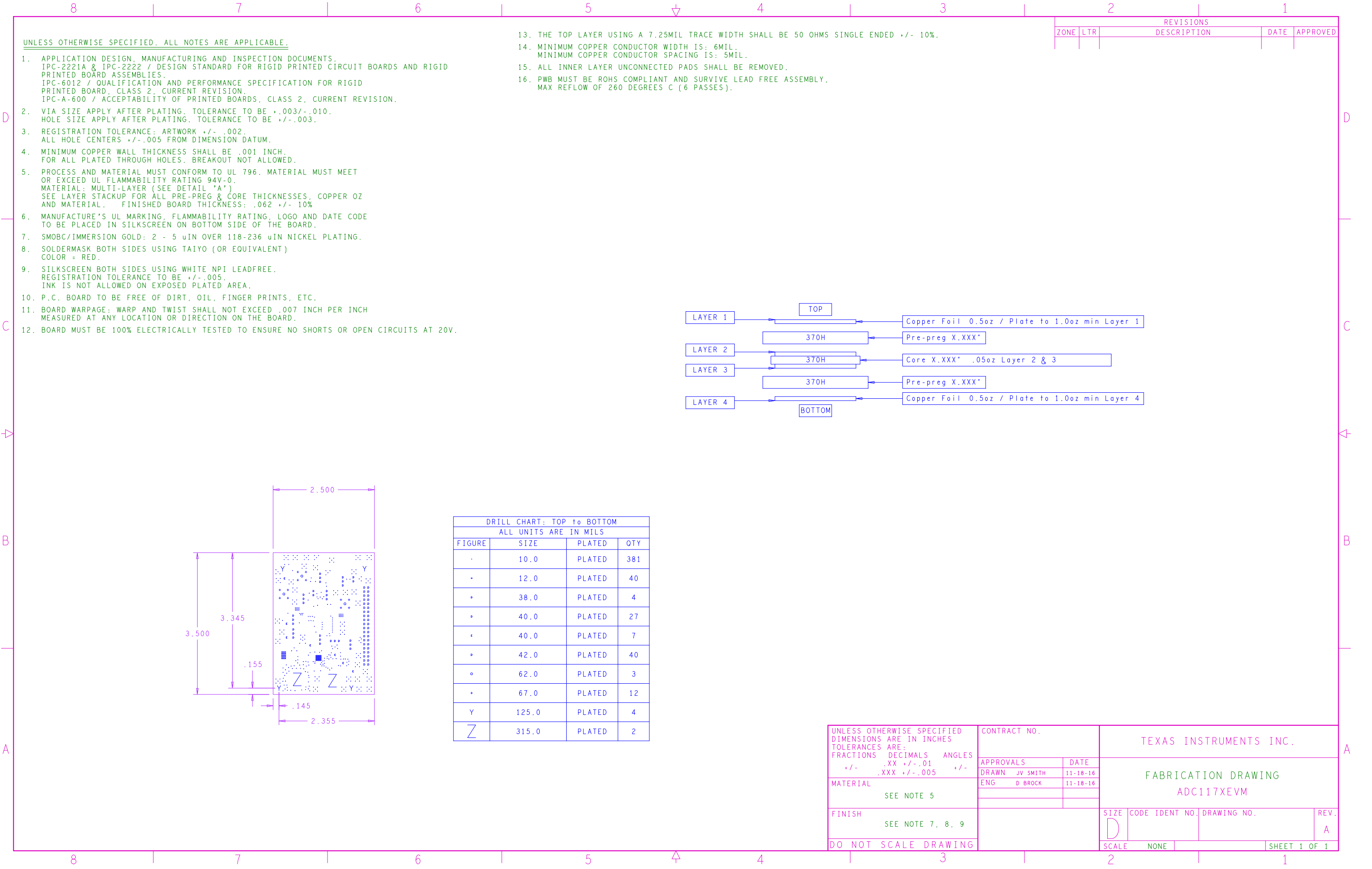
THIS DRAWING IS INTENDED TO HELP IN THE ASSEMBLY OF THE DESIGN.

- 1. REFER TO IPC FILE FOR SPECIFIC COMPONENT LOCATION INFORMATION.
- 2. MARK BOARD'S SILKSCREEN WITH THE SERIAL NUMBER.
- 3. IPC-A-610 / ACCEPTABILITY OF ELECTRONIC ASSEMBLIES, CLASS2, CURRENT REVISION.
- 4. REMOVE THE METAL TAB ON THE BANANA JACKS BEFORE MOUNTING THEM ON THE BOARD. USE LOCTITE THREADLOCKER BLUE 242 (OR EQUIVALENT) WHEN INSTALLING THE BANANA JACKS.
- 5. MARK BOARD'S SILKSCREEN WITH STICKER/LABELFOR THE DEVICE THAT IS USED.

SEE NOTE 5

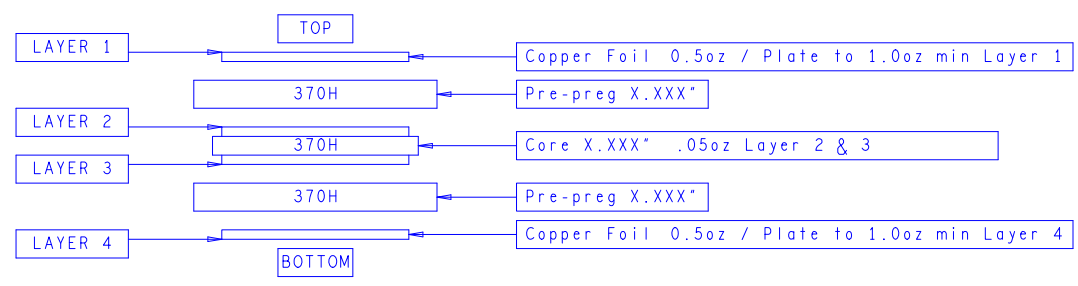


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES +/- .XX +/- .01 +/- .XXX +/- .005 +/-	CONTRACT NO.		TEXAS INSTRUMENTS INC.					
	APPROVALS		DATE		ASSEMBLY DRAWING, ADC117XEVM			
	DRAWN JV SMITH		11-18-16					
	ENG D BROCK		11-18-16					
MATERIAL								
FINISH					SIZE	CODE IDENT NO.	DRAWING NO.	REV.
DO NOT SCALE DRAWING					D			A
					SCALE			



- UNLESS OTHERWISE SPECIFIED, ALL NOTES ARE APPLICABLE.
1. APPLICATION DESIGN, MANUFACTURING AND INSPECTION DOCUMENTS.
IPC-2221A & IPC-2222 / DESIGN STANDARD FOR RIGID PRINTED CIRCUIT BOARDS AND RIGID PRINTED BOARD ASSEMBLIES.
IPC-6012 / QUALIFICATION AND PERFORMANCE SPECIFICATION FOR RIGID PRINTED BOARD, CLASS 2, CURRENT REVISION.
IPC-A-600 / ACCEPTABILITY OF PRINTED BOARDS, CLASS 2, CURRENT REVISION.
 2. VIA SIZE APPLY AFTER PLATING. TOLERANCE TO BE +.003/- .010.
HOLE SIZE APPLY AFTER PLATING. TOLERANCE TO BE +/- .003.
 3. REGISTRATION TOLERANCE: ARTWORK +/- .002.
ALL HOLE CENTERS +/- .005 FROM DIMENSION DATUM.
 4. MINIMUM COPPER WALL THICKNESS SHALL BE .001 INCH.
FOR ALL PLATED THROUGH HOLES. BREAKOUT NOT ALLOWED.
 5. PROCESS AND MATERIAL MUST CONFORM TO UL 796. MATERIAL MUST MEET OR EXCEED UL FLAMMABILITY RATING 94V-0.
MATERIAL: MULTI-LAYER (SEE DETAIL 'A')
SEE LAYER STACKUP FOR ALL PRE-PREG & CORE THICKNESSES, COPPER OZ AND MATERIAL. FINISHED BOARD THICKNESS: .062 +/- 10%
 6. MANUFACTURE'S UL MARKING, FLAMMABILITY RATING, LOGO AND DATE CODE TO BE PLACED IN SILKSCREEN ON BOTTOM SIDE OF THE BOARD.
 7. SMOBC/IMMERSION GOLD: 2 - 5 uIN OVER 118-236 uIN NICKEL PLATING.
 8. SOLDERMASK BOTH SIDES USING TAIYO (OR EQUIVALENT)
COLOR = RED.
 9. SILKSCREEN BOTH SIDES USING WHITE NPI LEADFREE.
REGISTRATION TOLERANCE TO BE +/- .005.
INK IS NOT ALLOWED ON EXPOSED PLATED AREA.
 10. P.C. BOARD TO BE FREE OF DIRT, OIL, FINGER PRINTS, ETC.
 11. BOARD WARPAGE: WARP AND TWIST SHALL NOT EXCEED .007 INCH PER INCH MEASURED AT ANY LOCATION OR DIRECTION ON THE BOARD.
 12. BOARD MUST BE 100% ELECTRICALLY TESTED TO ENSURE NO SHORTS OR OPEN CIRCUITS AT 20V.

13. THE TOP LAYER USING A 7.25MIL TRACE WIDTH SHALL BE 50 OHMS SINGLE ENDED +/- 10%.
14. MINIMUM COPPER CONDUCTOR WIDTH IS: 6MIL.
MINIMUM COPPER CONDUCTOR SPACING IS: 5MIL.
15. ALL INNER LAYER UNCONNECTED PADS SHALL BE REMOVED.
16. PWB MUST BE ROHS COMPLIANT AND SURVIVE LEAD FREE ASSEMBLY, MAX REFLOW OF 260 DEGREES C (6 PASSES).



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
.	10.0	PLATED	381
•	12.0	PLATED	40
•	38.0	PLATED	4
•	40.0	PLATED	27
•	40.0	PLATED	7
•	42.0	PLATED	40
•	62.0	PLATED	3
+	67.0	PLATED	12
Y	125.0	PLATED	4
Z	315.0	PLATED	2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES +/- .XX +/- .01 +/- .XXX +/- .005 +/-	CONTRACT NO.		TEXAS INSTRUMENTS INC.					
	APPROVALS		DATE		FABRICATION DRAWING ADC117XEVM			
	DRAWN JV SMITH		11-18-16					
	ENG D BROCK		11-18-16					
MATERIAL SEE NOTE 5					SIZE CODE IDENT NO. DRAWING NO. REV. D			