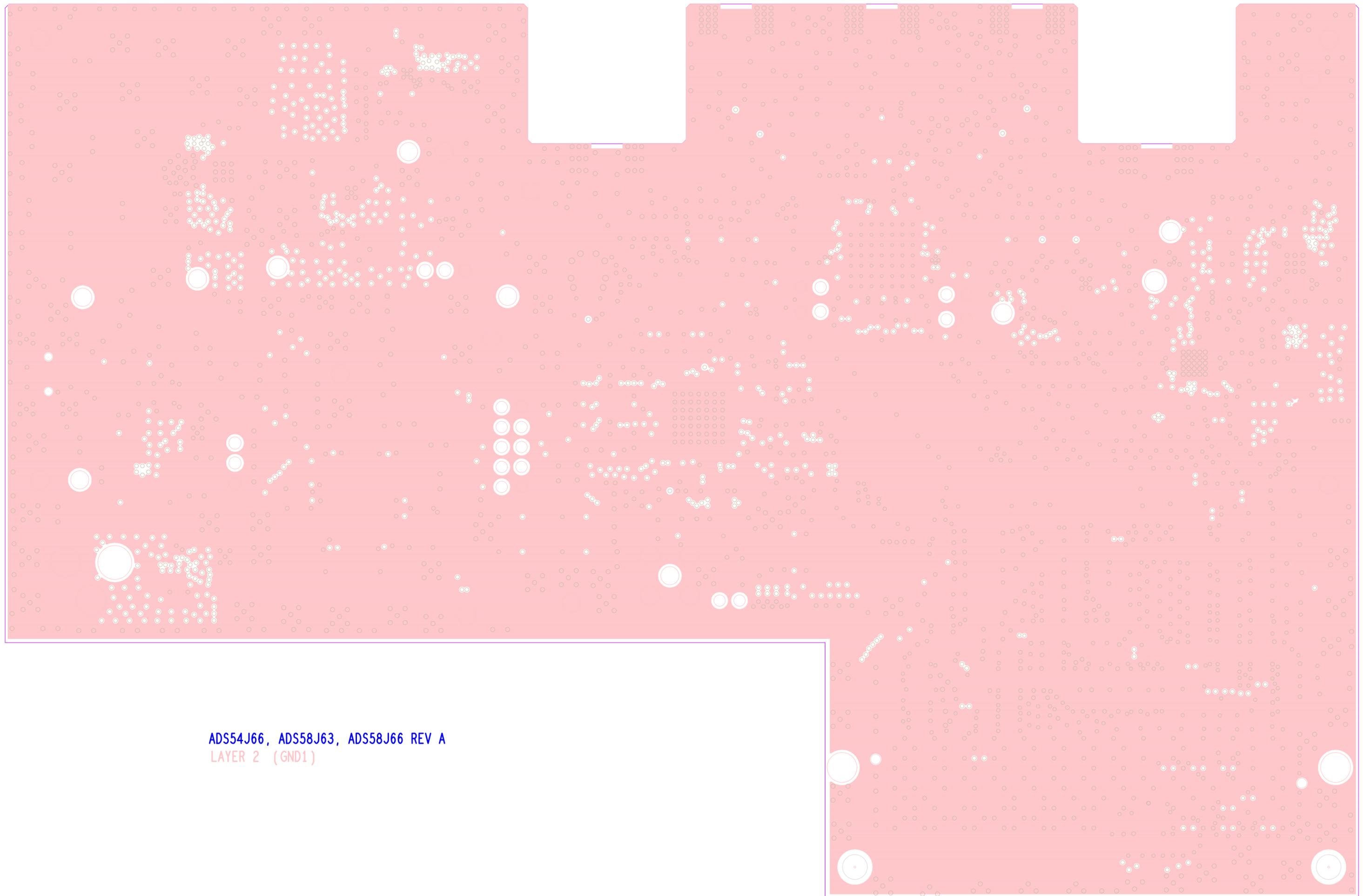
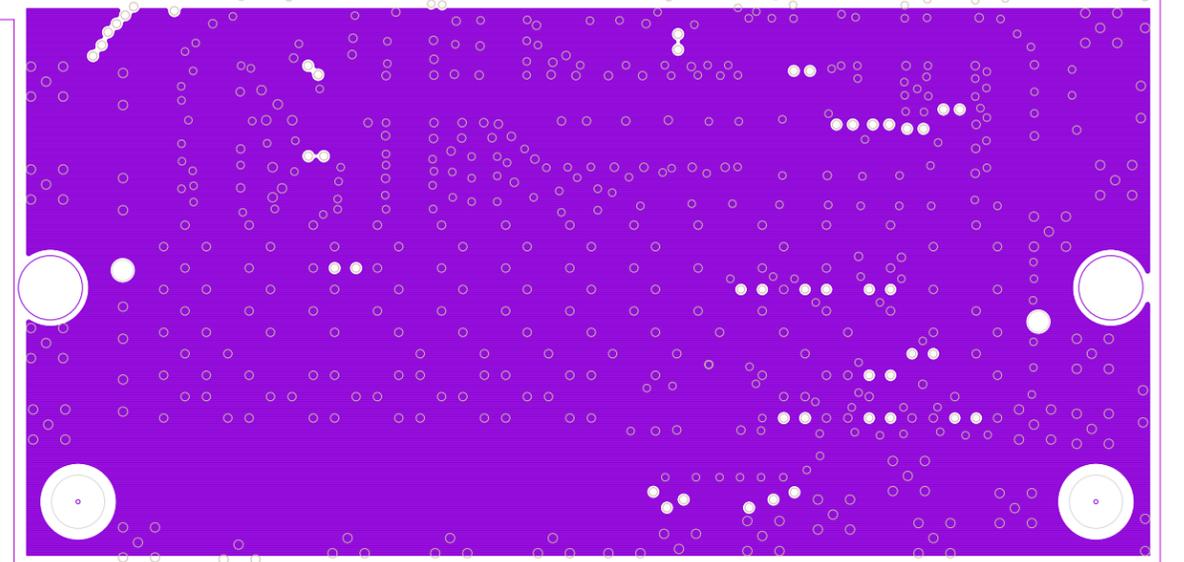
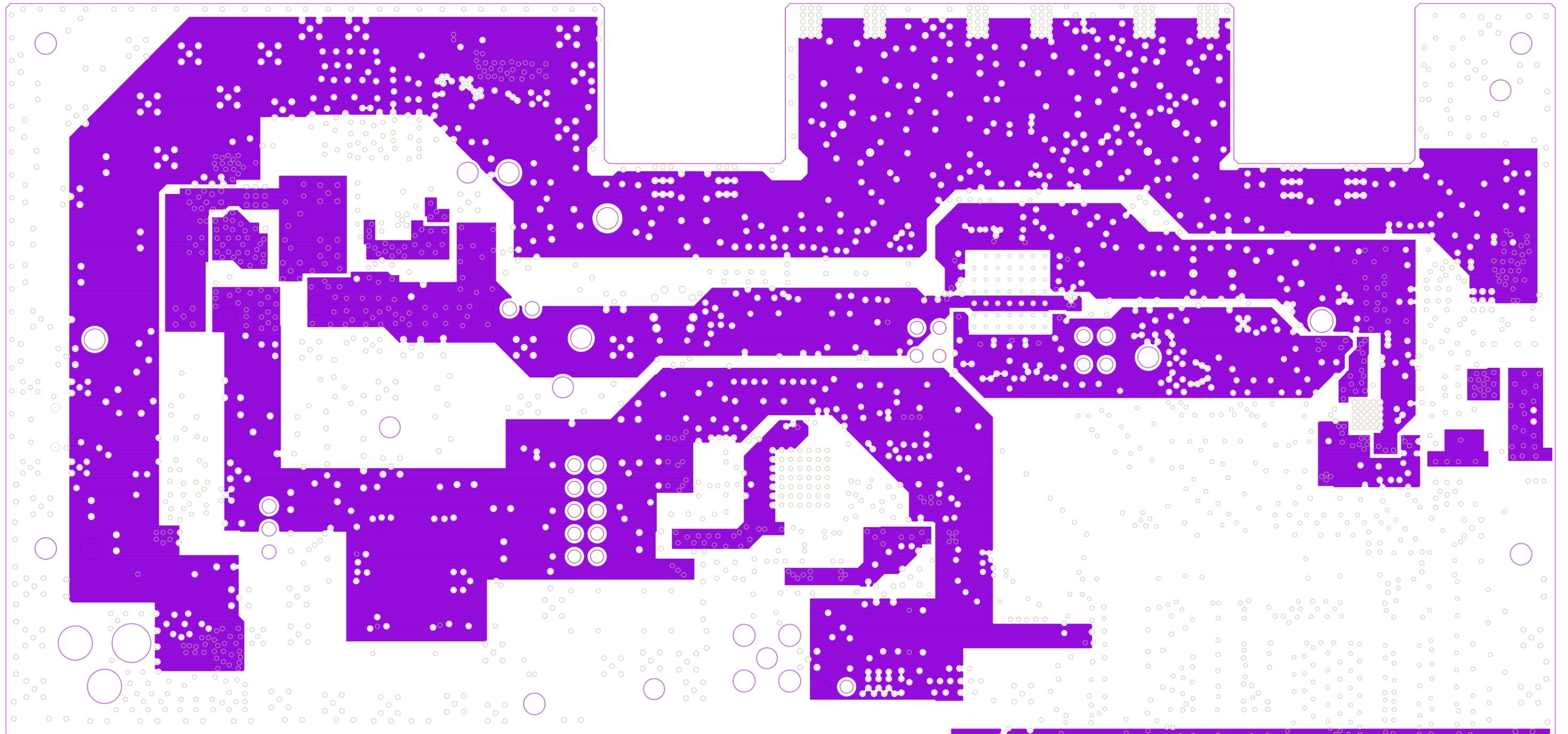


ADS54J66, ADS58J63, ADS58J66 REV A  
LAYER 1 (TOP SIDE)



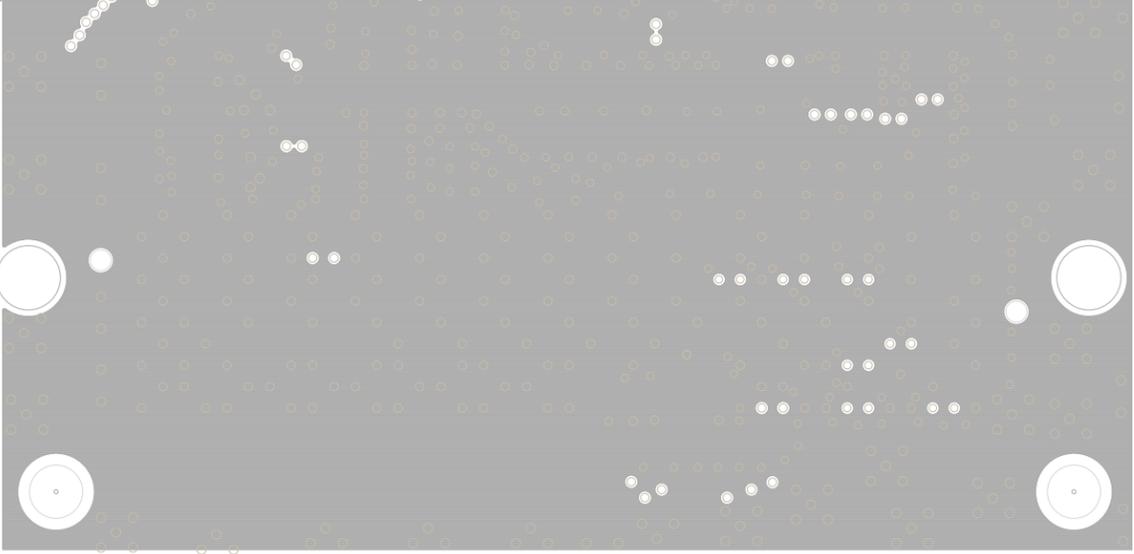
ADS54J66, ADS58J63, ADS58J66 REV A  
LAYER 2 (GND1)

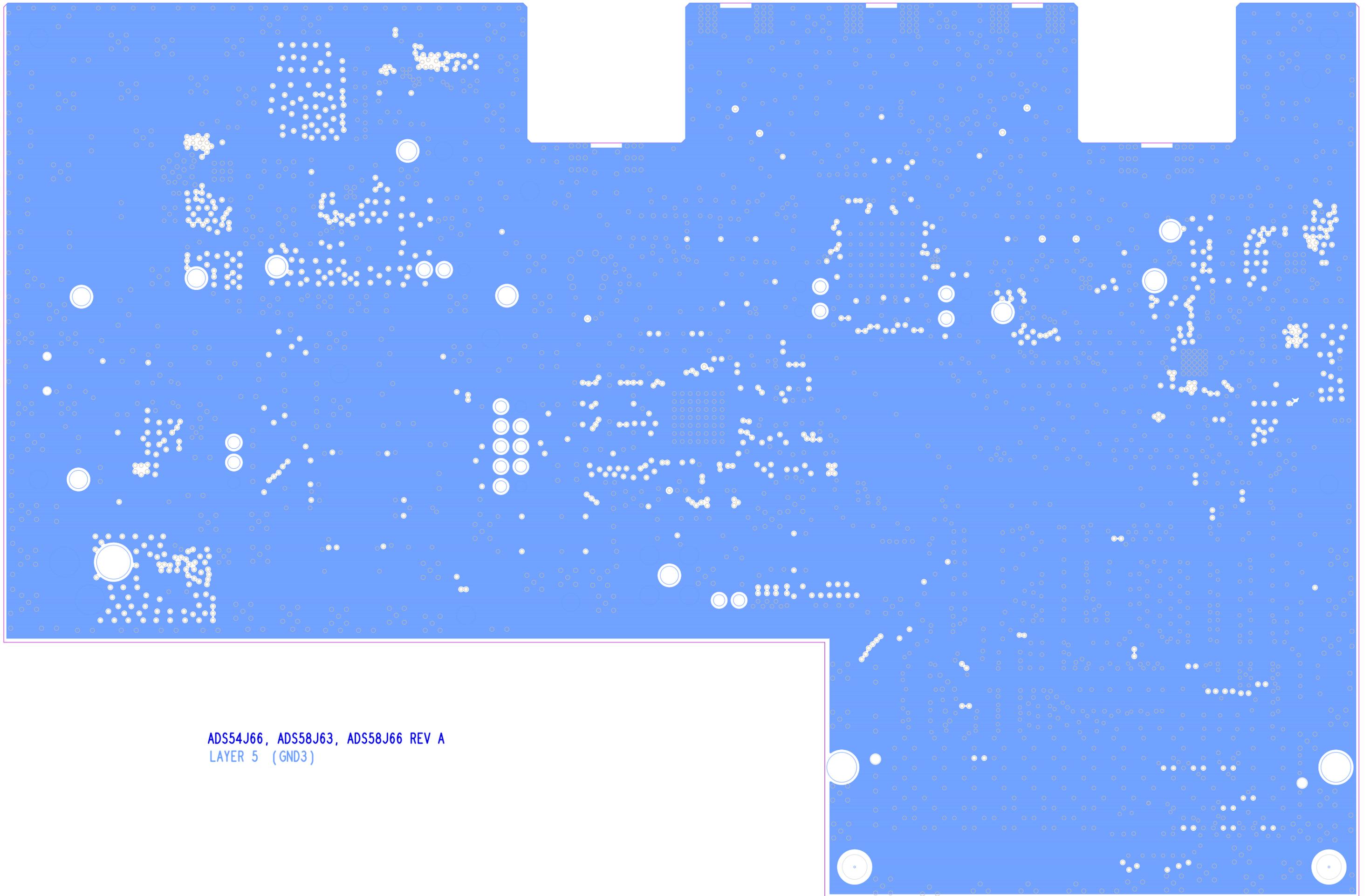


ADS54J66, ADS58J63, ADS58J66 REV A  
LAYER 3 (PWR1)

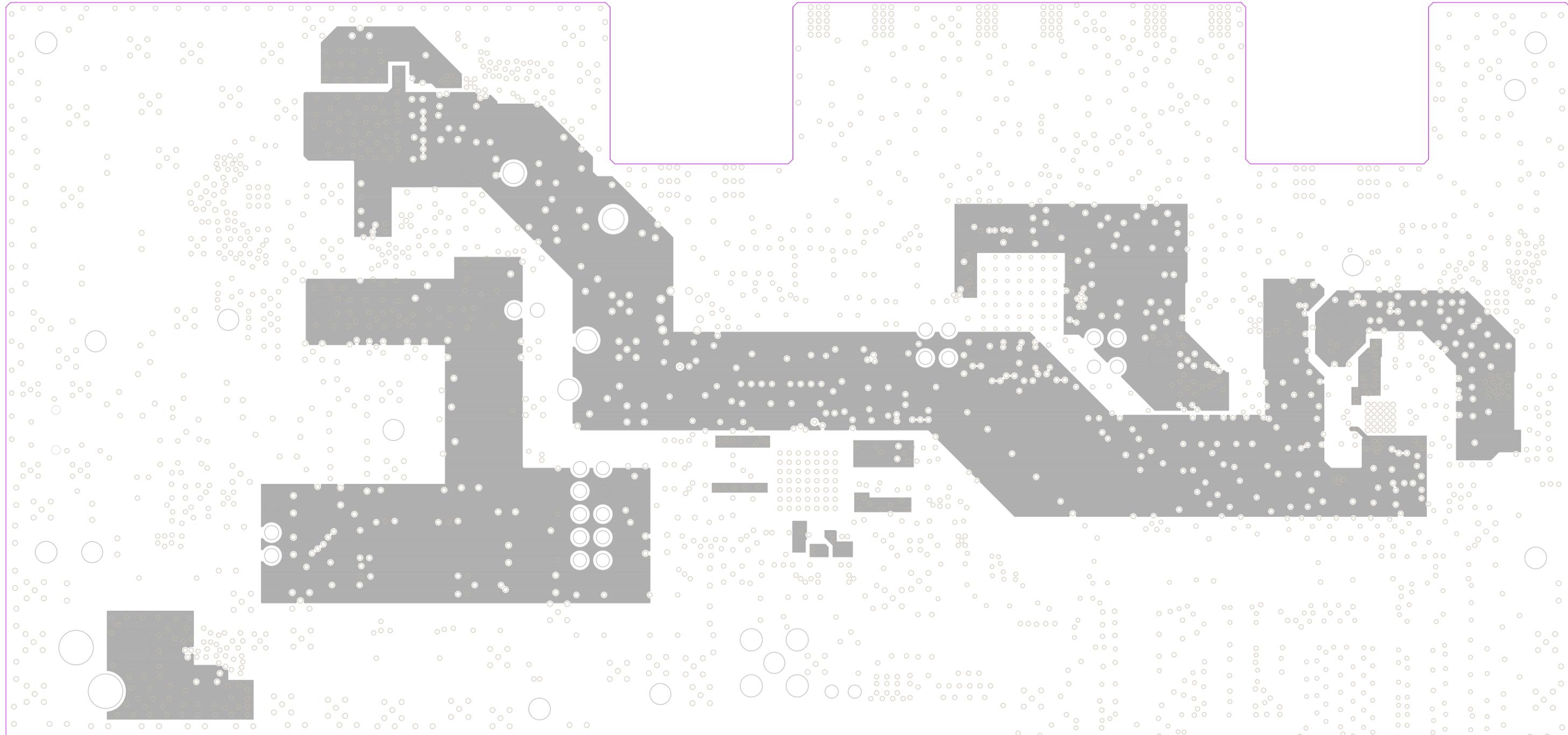


ADS54J66, ADS58J63, ADS58J66 REV A  
LAYER 4 (GND2)



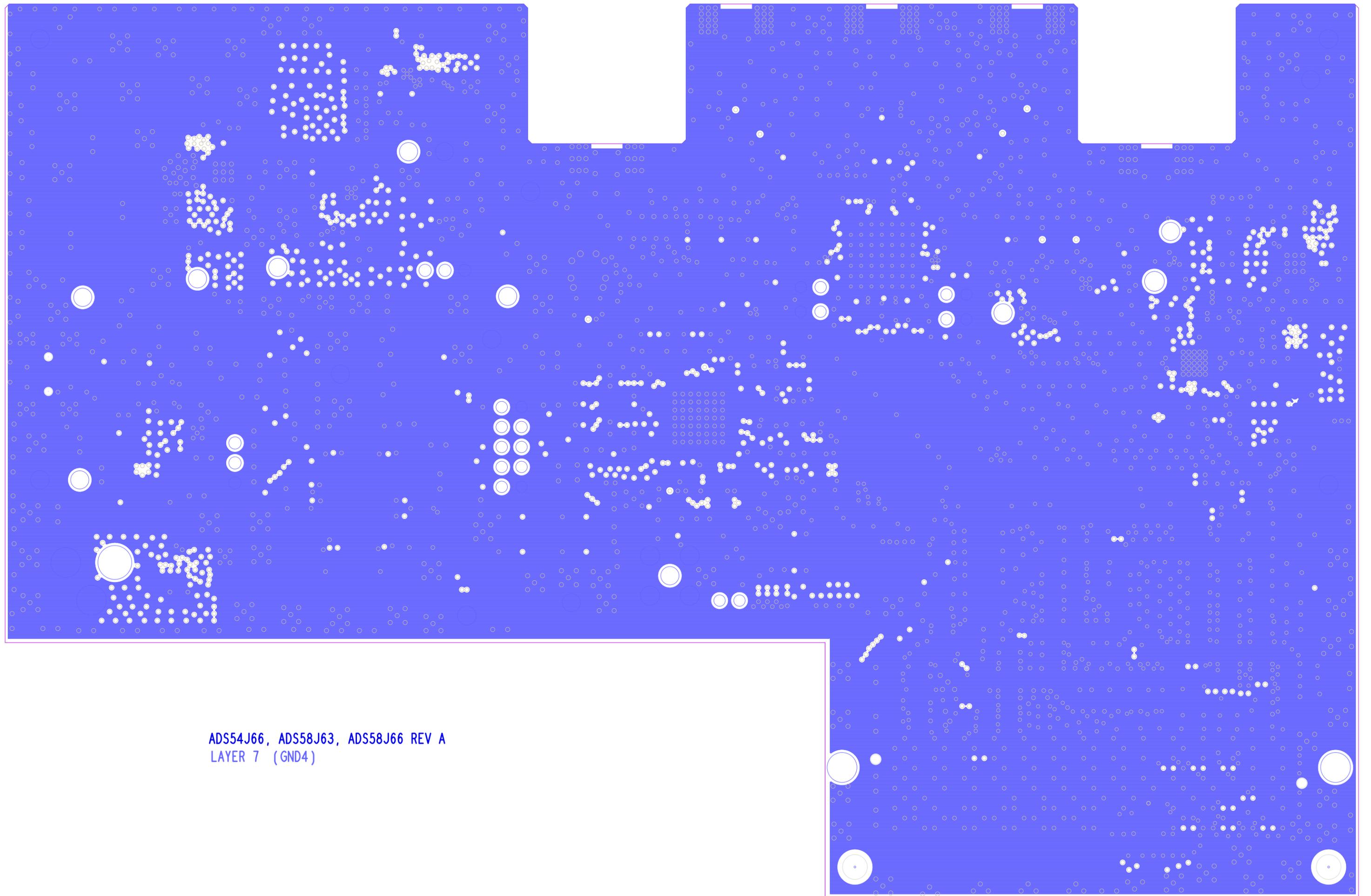


ADS54J66, ADS58J63, ADS58J66 REV A  
LAYER 5 (GND3)

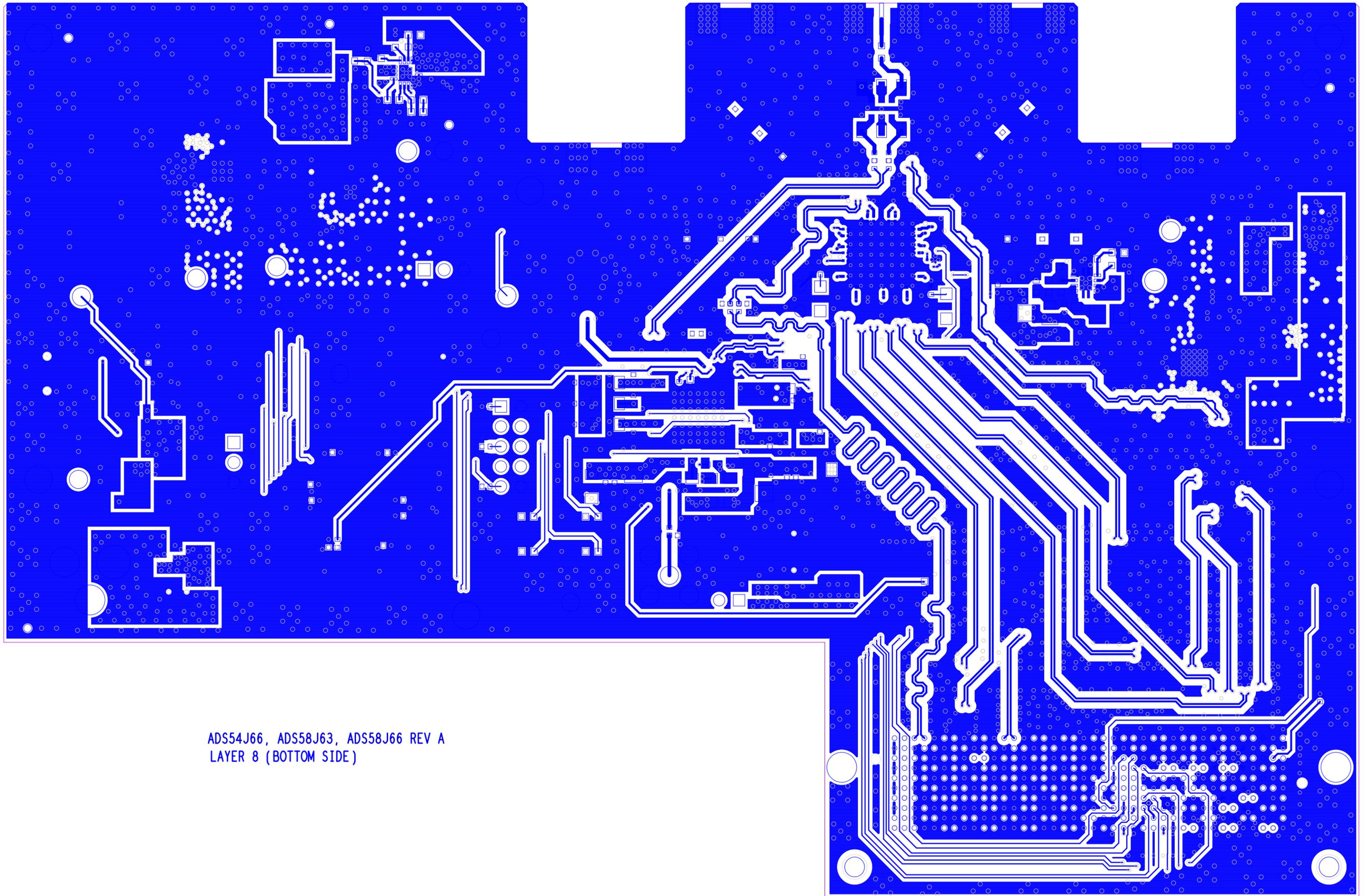


ADS54J66, ADS58J63, ADS58J66 REV A  
LAYER 6 (PWR2)





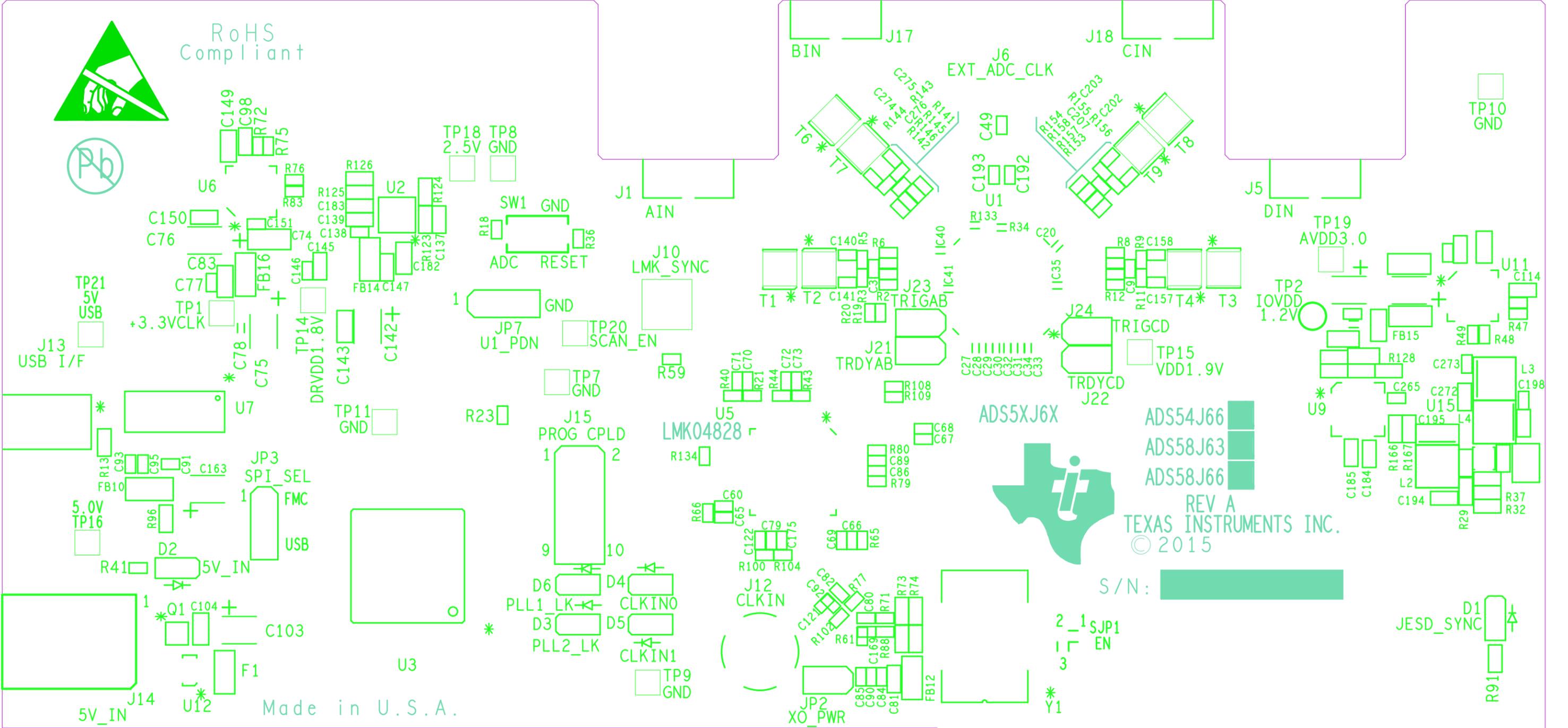
ADS54J66, ADS58J63, ADS58J66 REV A  
LAYER 7 (GND4)



ADS54J66, ADS58J63, ADS58J66 REV A  
LAYER 8 (BOTTOM SIDE)



RoHS Compliant



ADS54J66, ADS58J63, ADS58J66 REV A  
SILKSCREEN TOP

Made in U.S.A.

ADS5XJ6X



ADS54J66  
ADS58J63  
ADS58J66  
REV A  
TEXAS INSTRUMENTS INC.  
© 2015

S/N: [REDACTED]

2\_1 SJP1  
1 EN  
3  
\*Y1

J3  
FMC CONNECTOR

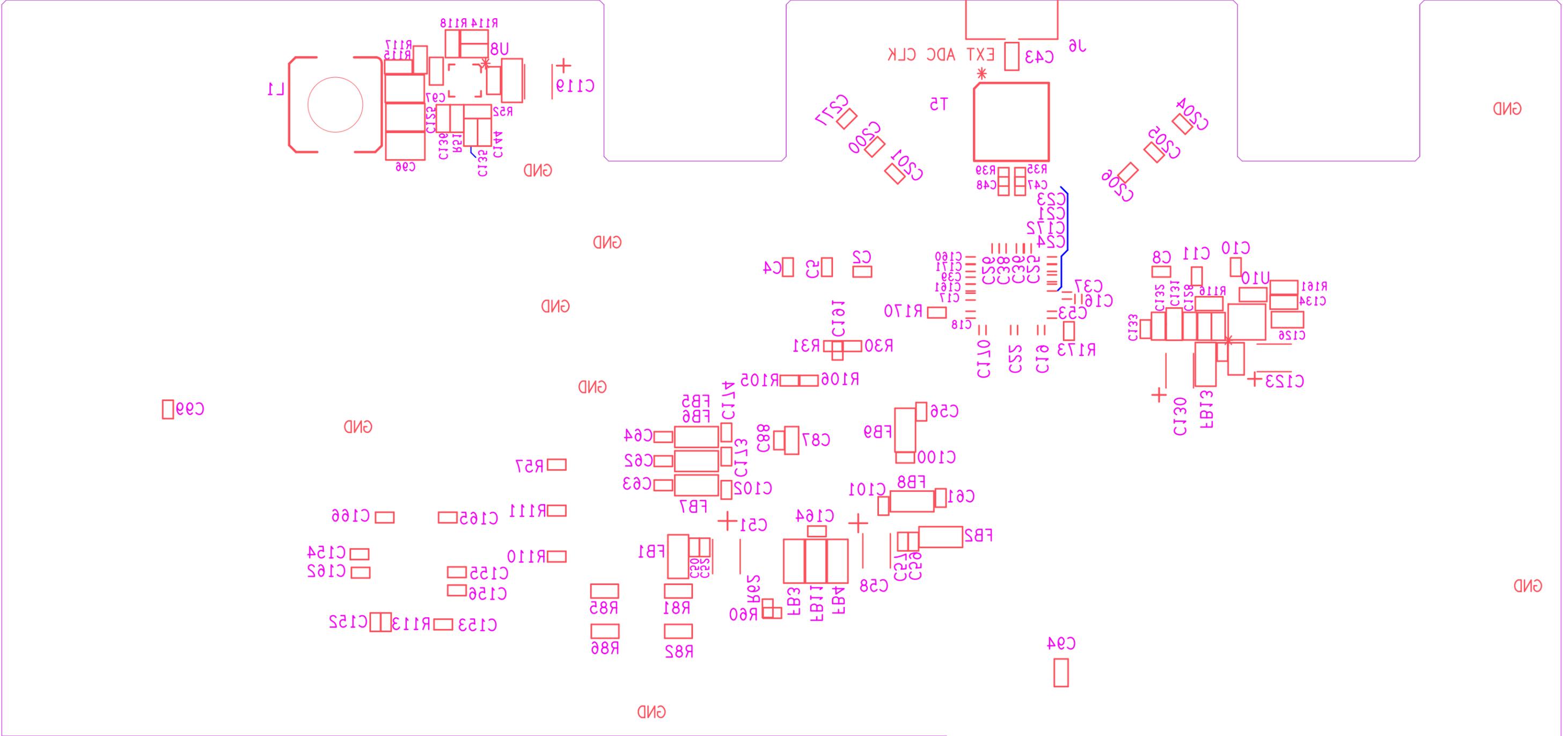
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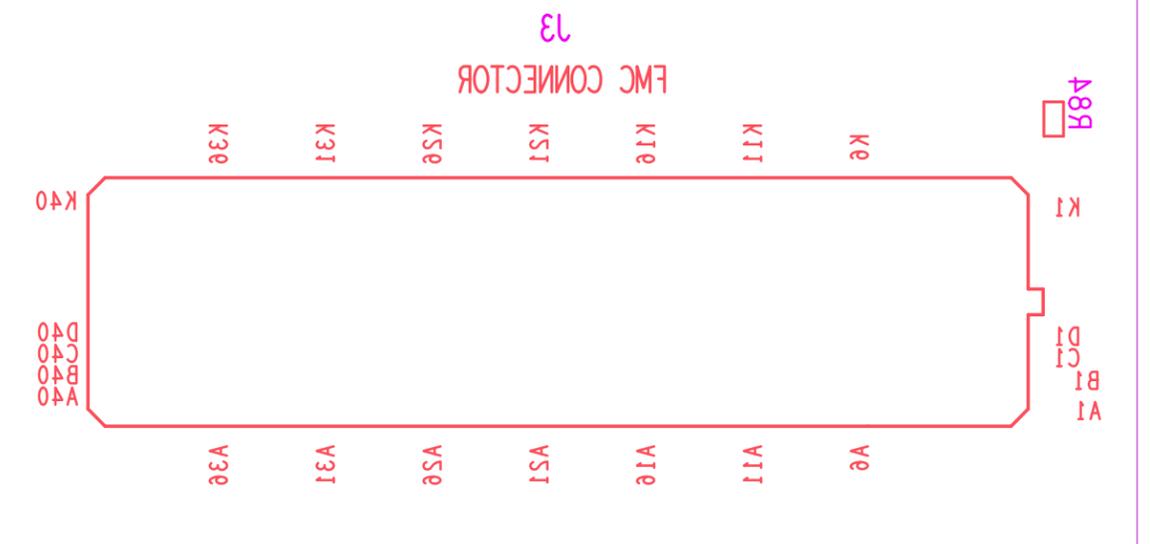
A40

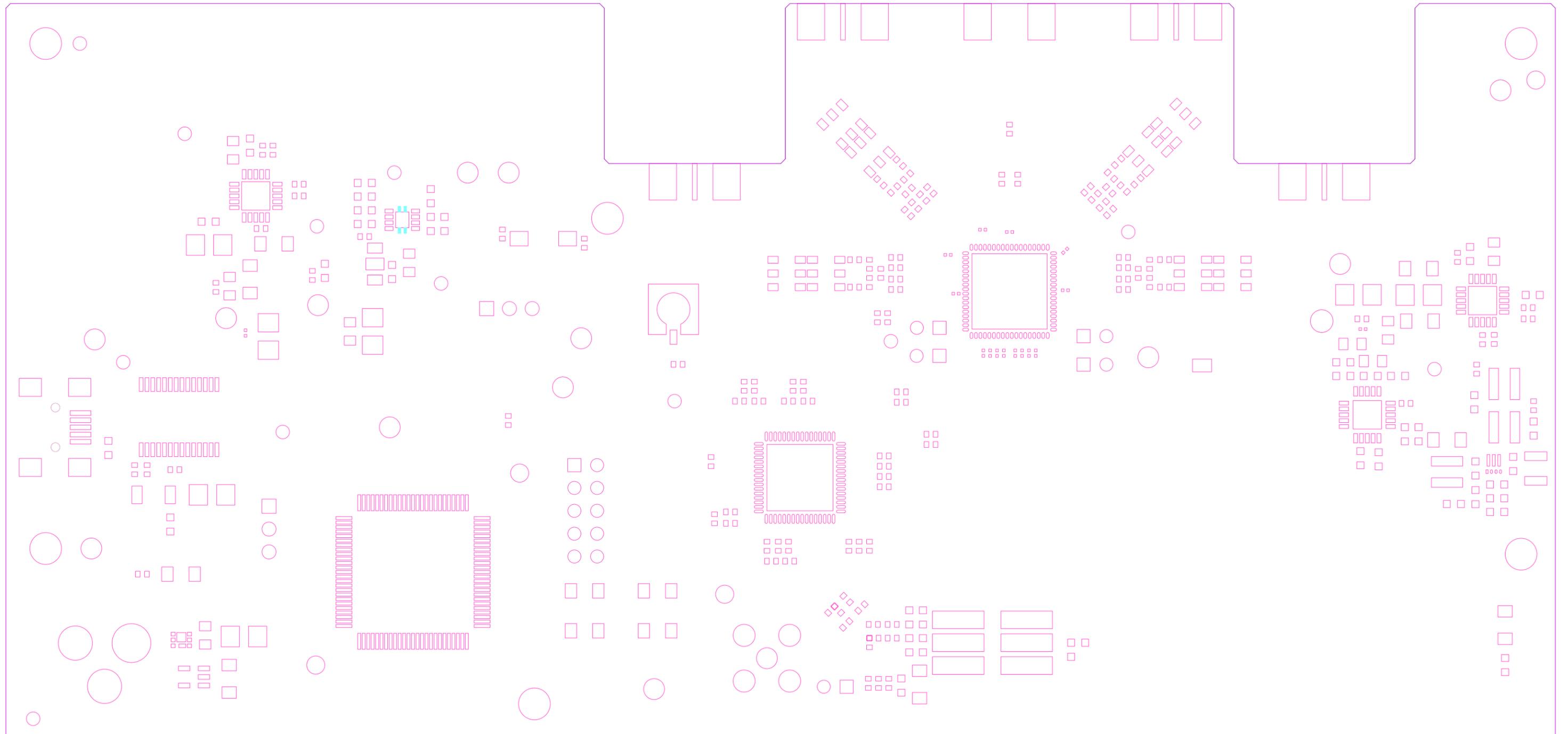
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For evaluation only;  
not FCC approved for resale.



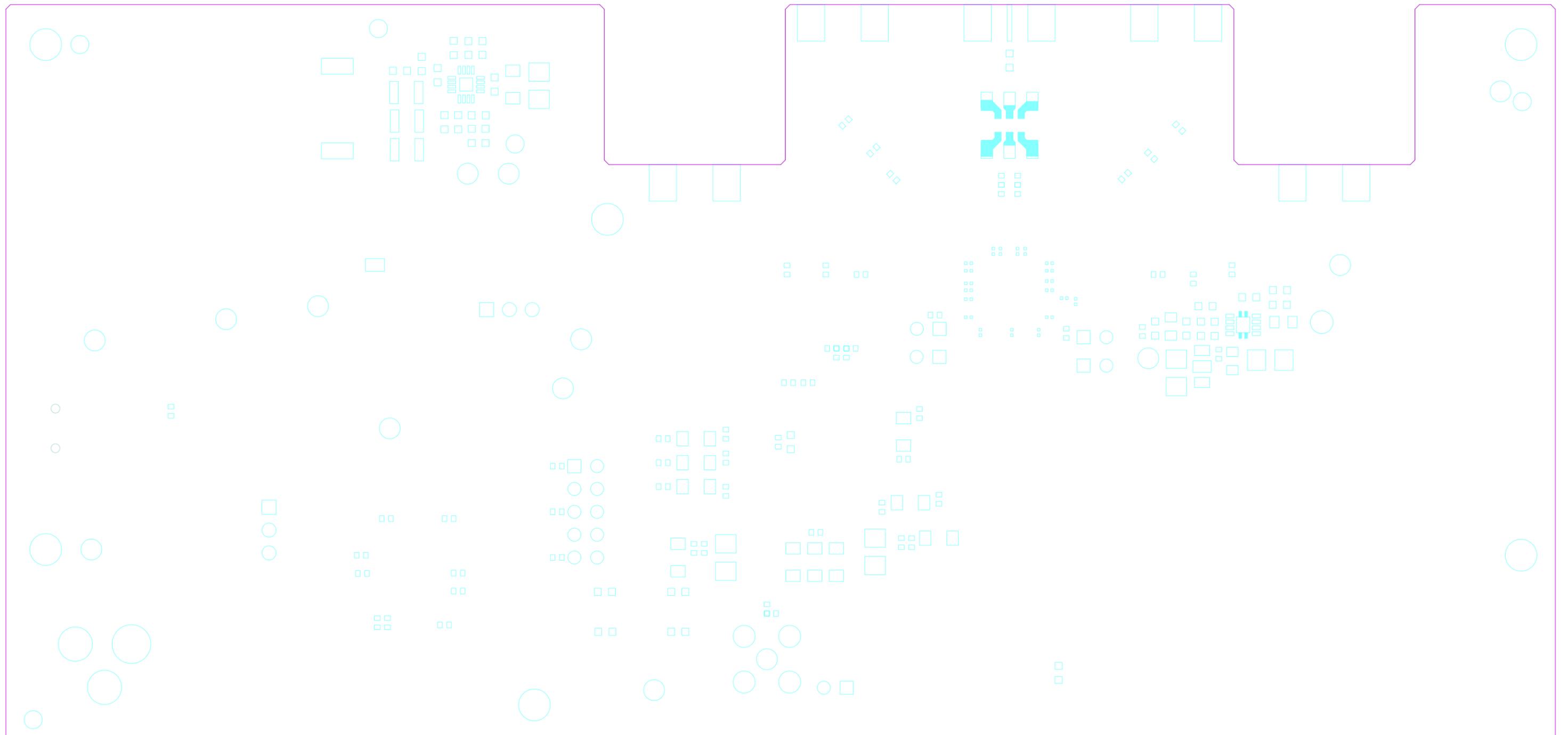
ADS54J66, ADS58J63, ADS58J66 REV A  
SILKSCREEN BOTTOM



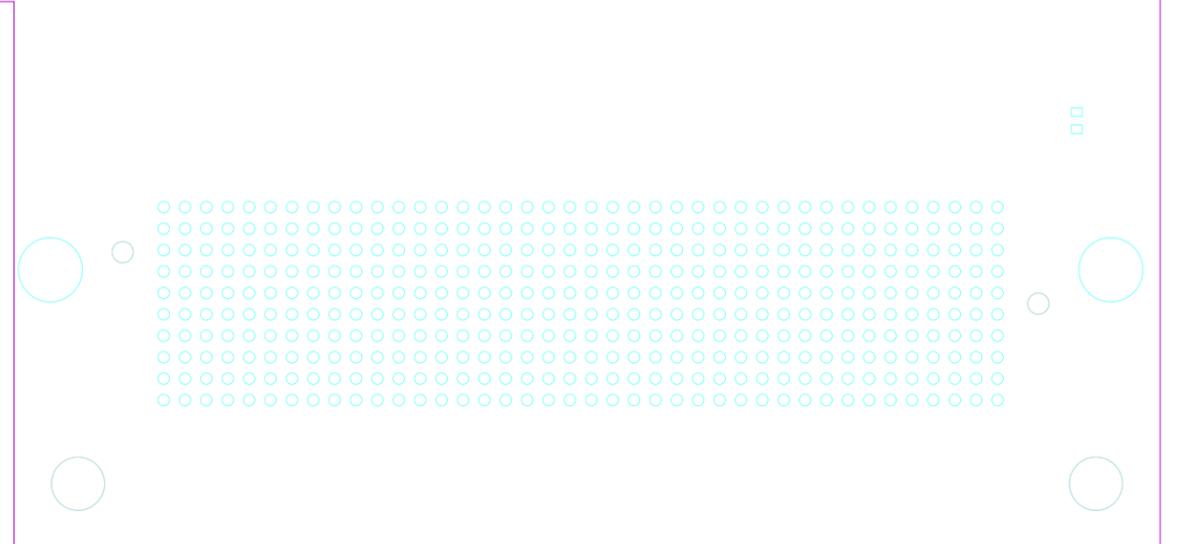


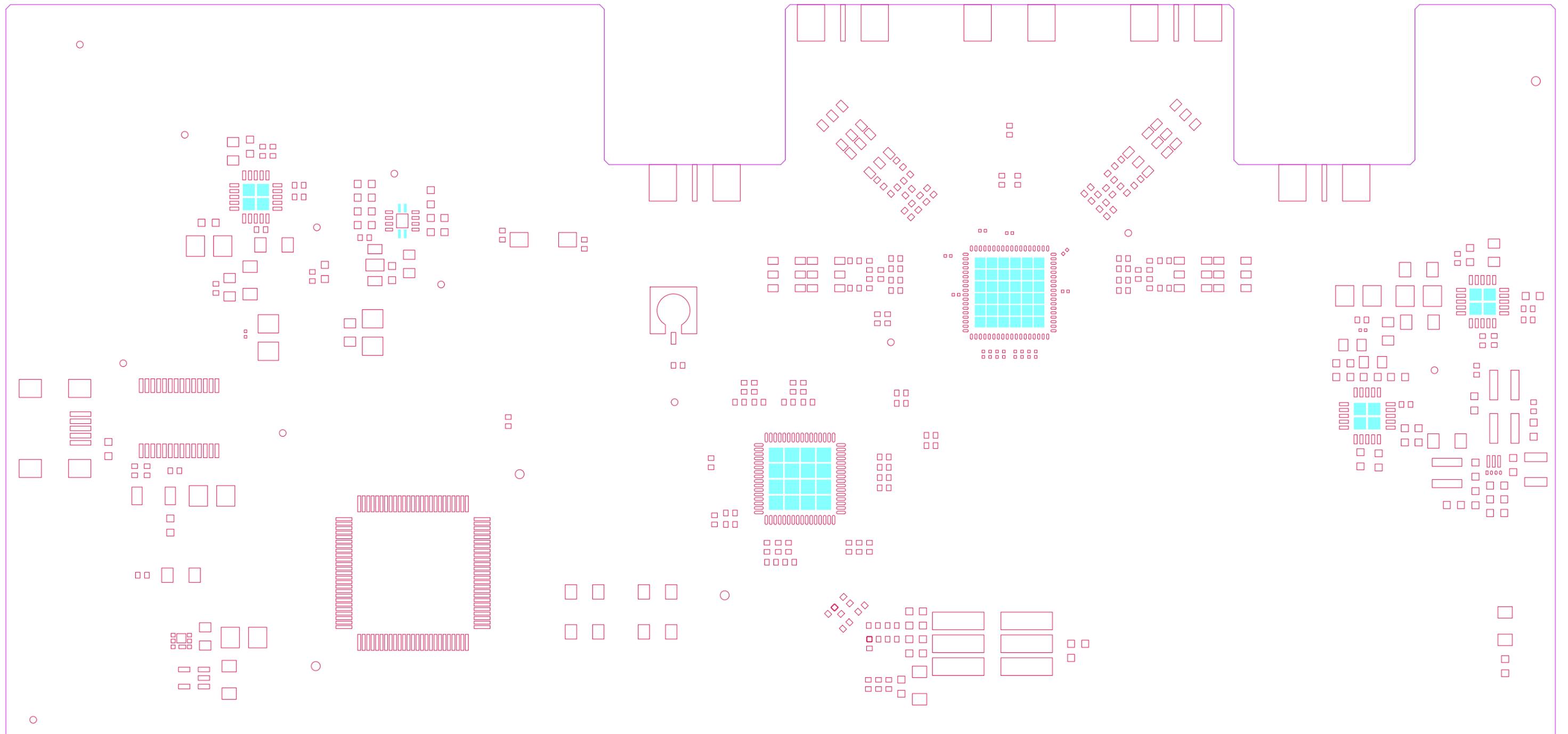
ADS54J66, ADS58J63, ADS58J66 REV A  
SOLDERMASK TOP



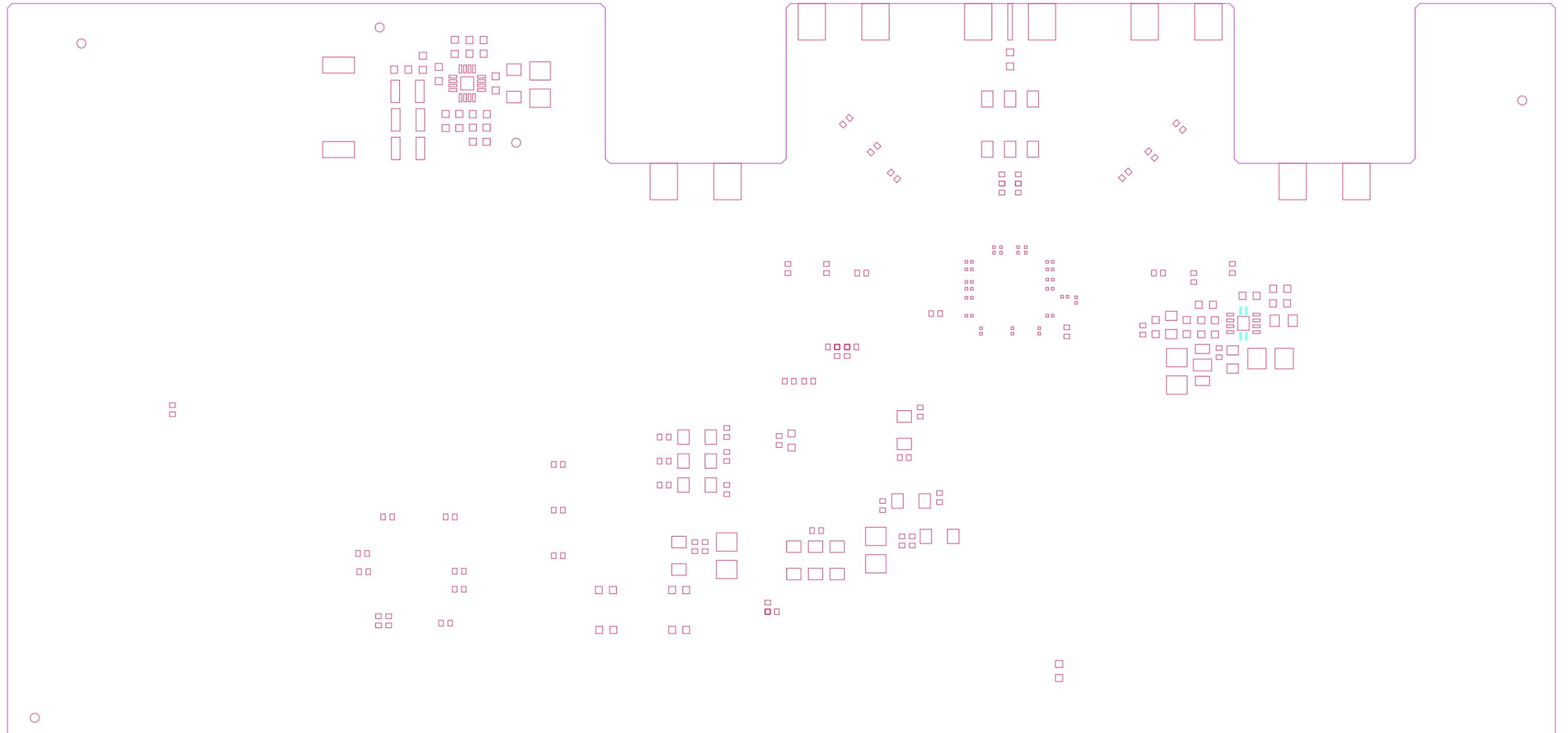


ADS54J66, ADS58J63, ADS58J66 REV A  
SOLDERMASK BOTTOM

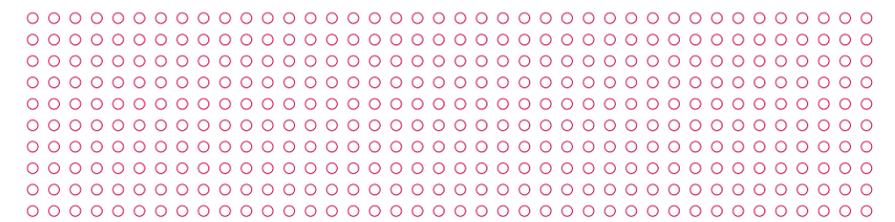




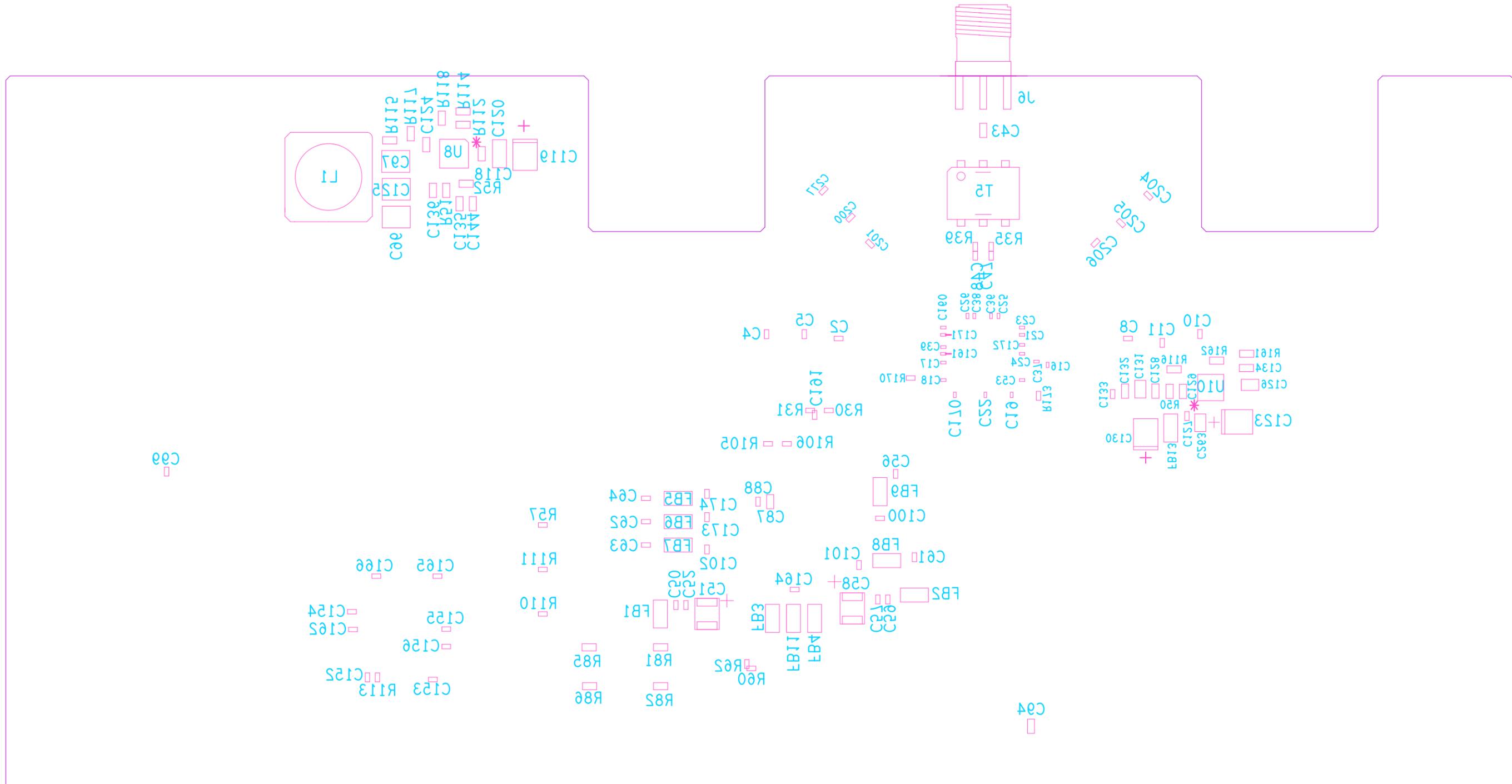
ADS54J66, ADS58J63, ADS58J66 REV A  
PASTEMASK TOP



ADS54J66, ADS58J63, ADS58J66 REV A  
PASTEMASK BOTTOM



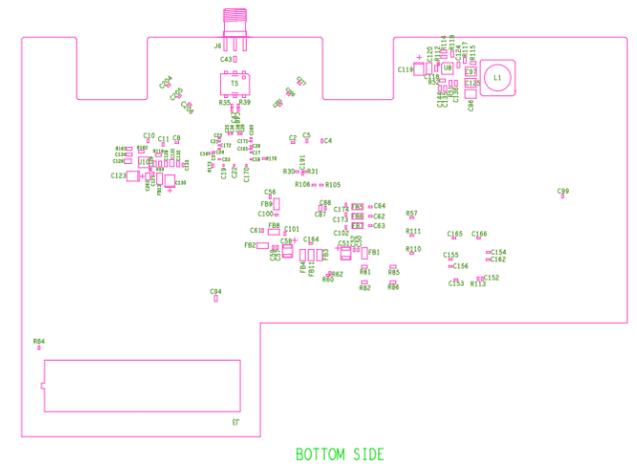
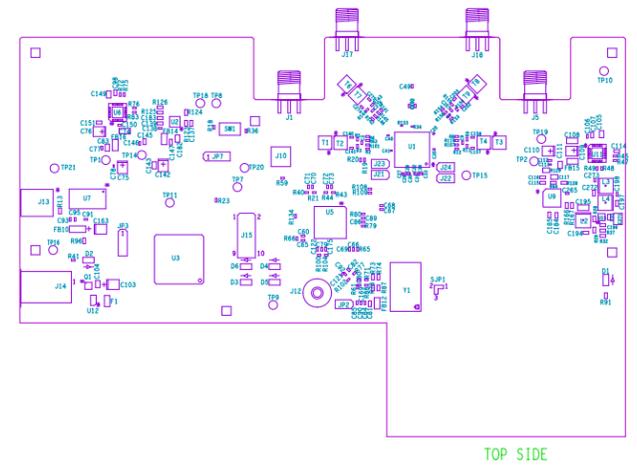
ADS54J66, ADS58J63, ADS58J66 REV A  
BOTTOM ASSEMBLY



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

ZONE		LTR		REVISIONS		DATE	APPROVED
				DESCRIPTION			

1. REFER TO ODB++ FILE FOR SPECIFIC COMPONENT LOCATION INFORMATION.
2. FINISHED ASSEMBLY MUST BE RoHS COMPLIANT AND LEAD FREE.



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 ADS54J66, ADS58J63, ADS58J66				
	DRAWN KIM LE	09-03-14					
MATERIAL	ENGR M GUIBORD	09-03-14	SIZE	CODE	IDENT NO.	DRAWING NO.	REV.
FINISH			B				A
DO NOT SCALE DRAWING			SCALE	NONE			SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED. ALL NOTES ARE APPLICABLE.

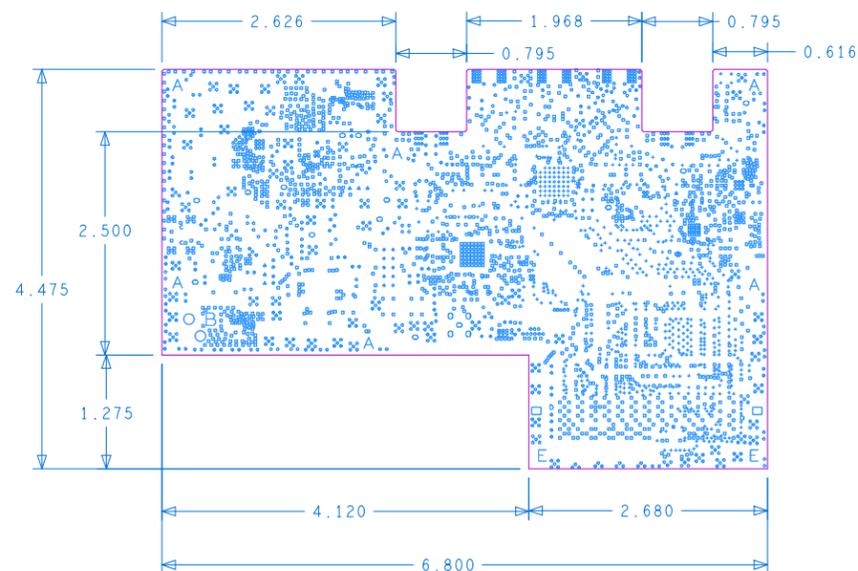
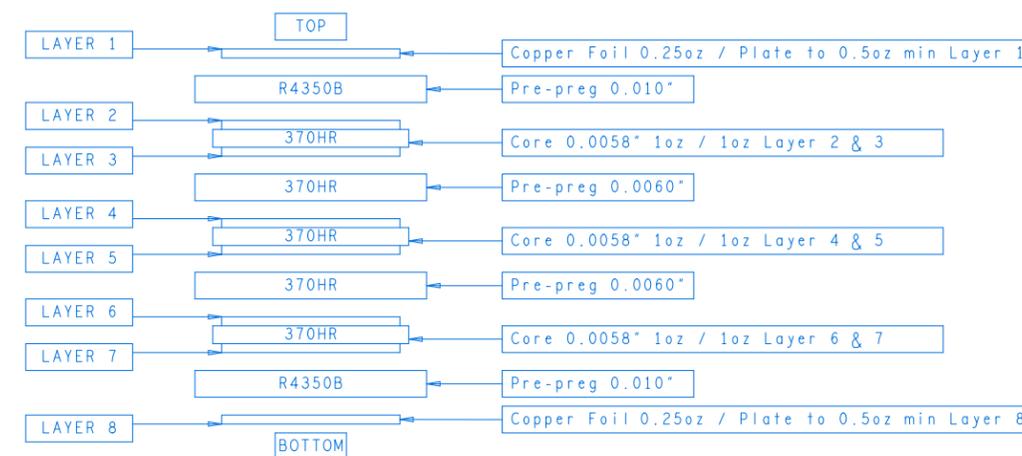
- APPLICATION DESIGN MANUFACTURING AND INSPECTION DOCUMENTS.  
IPC-2221A & IPC-2222 / DESIGN STANDARD FOR RIGID PRINTED CIRCUIT BOARDS AND RIGID PRINTED BOARD ASSEMBLIES.  
IPC-6012B / QUALIFICATION AND PERFORMANCE SPECIFICATION FOR RIGID PRINTED BOARD.  
IPC-A-600G / ACCEPTABILITY OF PRINTED BOARDS.
- HOLE SIZE APPLIES AFTER PLATING. TOLERANCE TO BE +/- .003.  
VIA HOLE SIZES 8,10,15 AND 12MILS APPLY AFTER PLATING. TOLERANCE TO BE +.003/- .010.
- REGISTRATION TOLERANCE: ARTWORK +/- .002  
ALL HOLE CENTERS +/- .005 FROM DIMENSION DATUM.
- MINIMUM COPPER WALL THICKNESS SHALL BE .001 INCH.  
FOR ALL PLATED THROUGH HOLES. BREAKOUT NOT ALLOWED.
- PROCESS AND MATERIAL MUST CONFORM TO UL 796. MATERIAL MUST MEET OR EXCEED UL FLAMMABILITY RATING 94V-0.  
MATERIAL: MULTI-LAYER, USE VIASYSTEMS STACKUP "DAC38J84\_R04350". DETAIL "A" IS FOR REFERENCE.  
SEE LAYER STACKUP FOR ALL PRE-PREG & CORE THICKNESSES, COPPER OZ AND MATERIAL. FINISHED BOARD THICKNESS: 0.062 +/-10%
- MANUFACTURE'S UL MARKING, FLAMMABILITY RATING, LOGO AND DATE CODE TO BE PLACED IN SILKSCREEN ON BOTTOM SIDE OF THE BOARD.
- SOLDERMASK BOTH SIDES USING TAIYO (OR EQUIVALENT). COLOR-RED (0.001 TO 0.002" THICK OVER METAL). VIASYSTEMS STACKUP JOB NAME: DAC38J84\_R04350
- SILKSCREEN BOTH SIDES USING WHITE NPI LEADFREE. REGISTRATION TOLERANCE TO BE +/- .005. INK IS NOT ALLOWED ON EXPOSED PLATED AREA.
- P.C. BOARD TO BE FREE OF DIRT, OIL, FINGER PRINTS, ETC.
- BOARD WARPAGE: WARP AND TWIST SHALL NOT EXCEED .007 INCH PER INCH. MEASURED AT ANY LOCATION OR DIRECTION ON THE BOARD.
- BOARD MUST BE 100% ELECTRICALLY TESTED TO ENSURE NO SHORTS OR OPEN CIRCUITS AT 20V.
- ALL INNER LAYER UNCONNECTED PADS SHALL BE REMOVED.

- OUTER LAYERS USING A 20mil TRACE WIDTH SHALL BE 50ohms SINGLE ENDED, +/- 10% TOLERANCE.  
OUTER LAYERS USING A 9.5mil TRACE WIDTH AND 5.5mil SPACING SHALL BE 100 ohms DIFFERENTIAL, +/- 10% TOLERANCE.
- MINIMUM COPPER CONDUCTOR WIDTH IS: 6MIL  
MINIMUM COPPER SPACING IS: 4 MIL.
- SURFACE FINISH TO BE 3-8 uIN GOLD OVER 100-200 uIN NICKEL PLATING.
- GROUND ETCH TO BOARD EDGE IS INTENTIONAL. DO NOT PULL BACK.
- NO CHANGES TO ANY ARTWORK ARE PERMITTED WITHOUT WRITTEN AUTHORIZATION.
- FINISHED BOARD MUST BE RoHS COMPLIANT AND SURVIVE A LEAD FREE ASSEMBLY.  
MAXIMUM REFLOW OF 260 DEGREES C (6 PASSES).
- ALL 8,10,12 & 15mil DRILLS NEED TO BE PLATED OVER TO HAVE FILL AND FLAT FINISH ON BOTH SIDES.

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE

DETAIL "A"

VIASYSTEMS STACKUP JOB NAME: DAC38J84\_R04350  
THIS STACK UP DETAIL IS FOR REFERENCE ONLY



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
.	8.0	PLATED	645
.	10.0	PLATED	1825
.	10.0	PLATED	44
.	12.0	PLATED	884
.	15.0	PLATED	8
.	38.0	PLATED	20
.	40.0	PLATED	7
o	62.0	PLATED	14
o	67.0	PLATED	4
□	106.0	PLATED	2
○	120.0	PLATED	2
A	125.0	PLATED	6
B	140.0	PLATED	1
c	39.0	NON-PLATED	2
o	50.0	NON-PLATED	2
E	125.0	NON-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 ADS54J66, ADS58J63, ADS58J66	
DRAWN KIM LE	09/03/2014			
ENGR M GUIBORD	09/03/2014			
MATERIAL SEE NOTE 5	SCALE NONE		SIZE B	CODE IDENT NO.
FINISH SEE NOTES 7, 8, 9	DO NOT SCALE DRAWING		DRAWING NO.	REV. A
SHEET 1 OF 1			SHEET 1 OF 1	