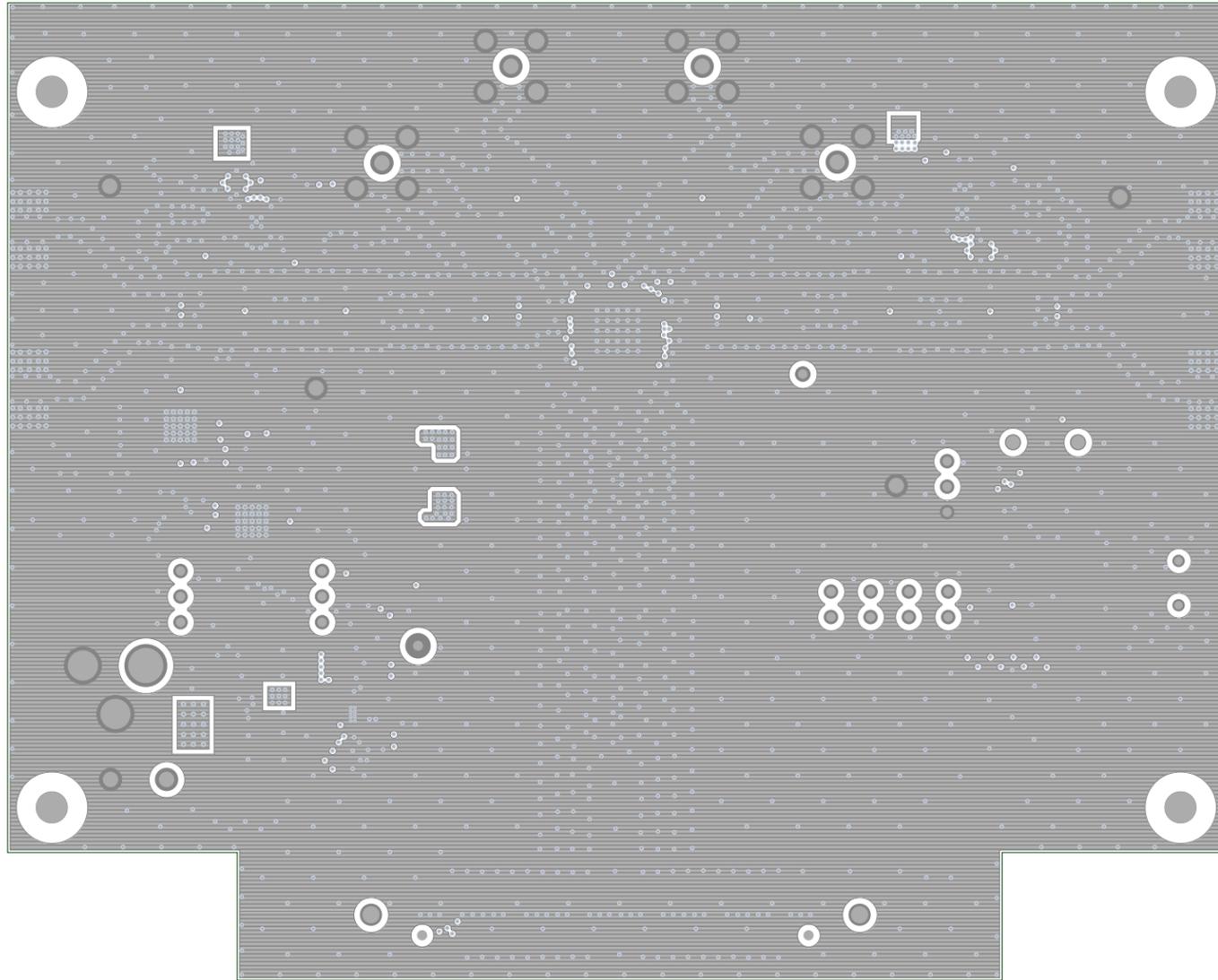


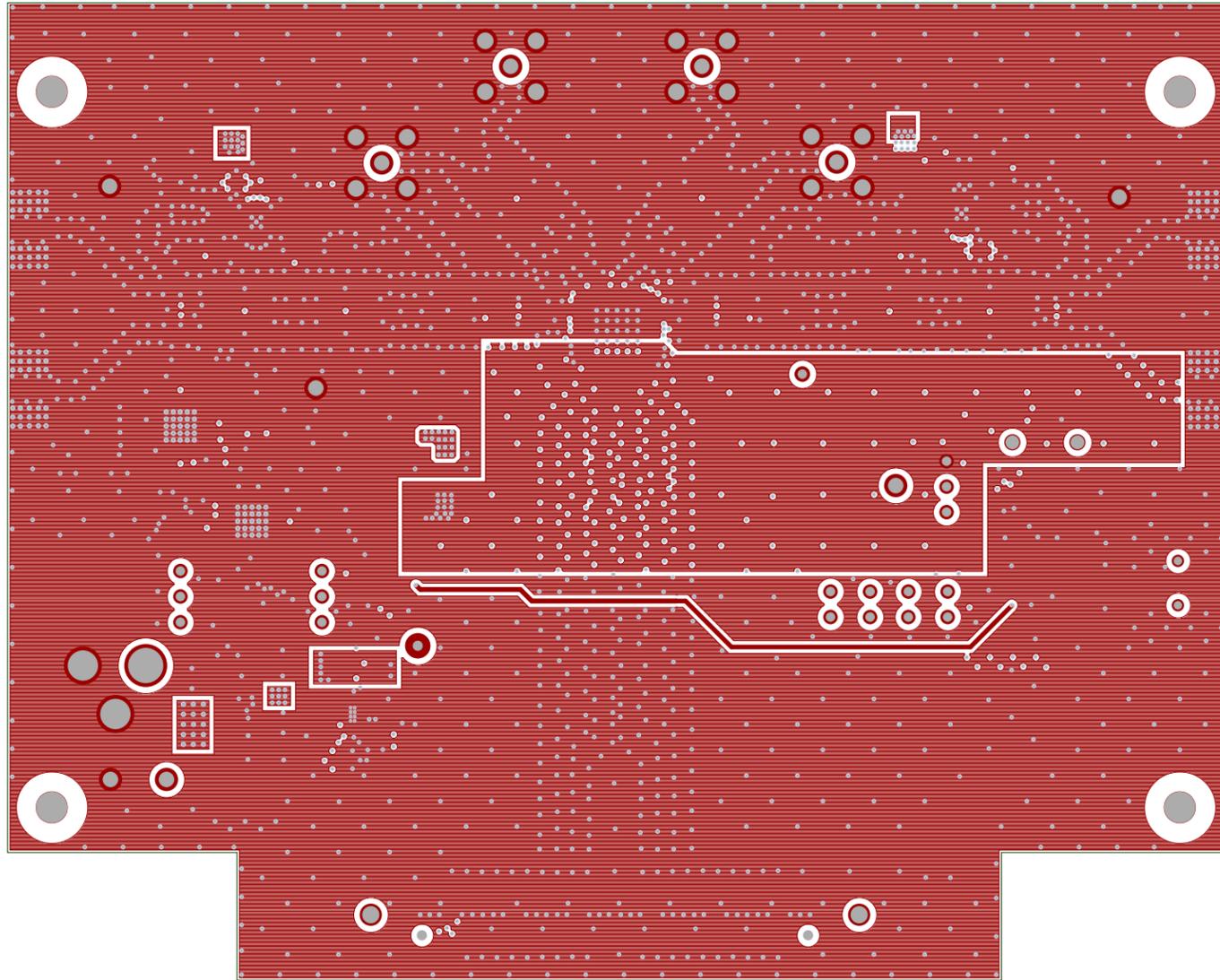
TEXAS INSTRUMENTS  
ADC32XXEVM REV C

SILKSCREEN TOPSIDE



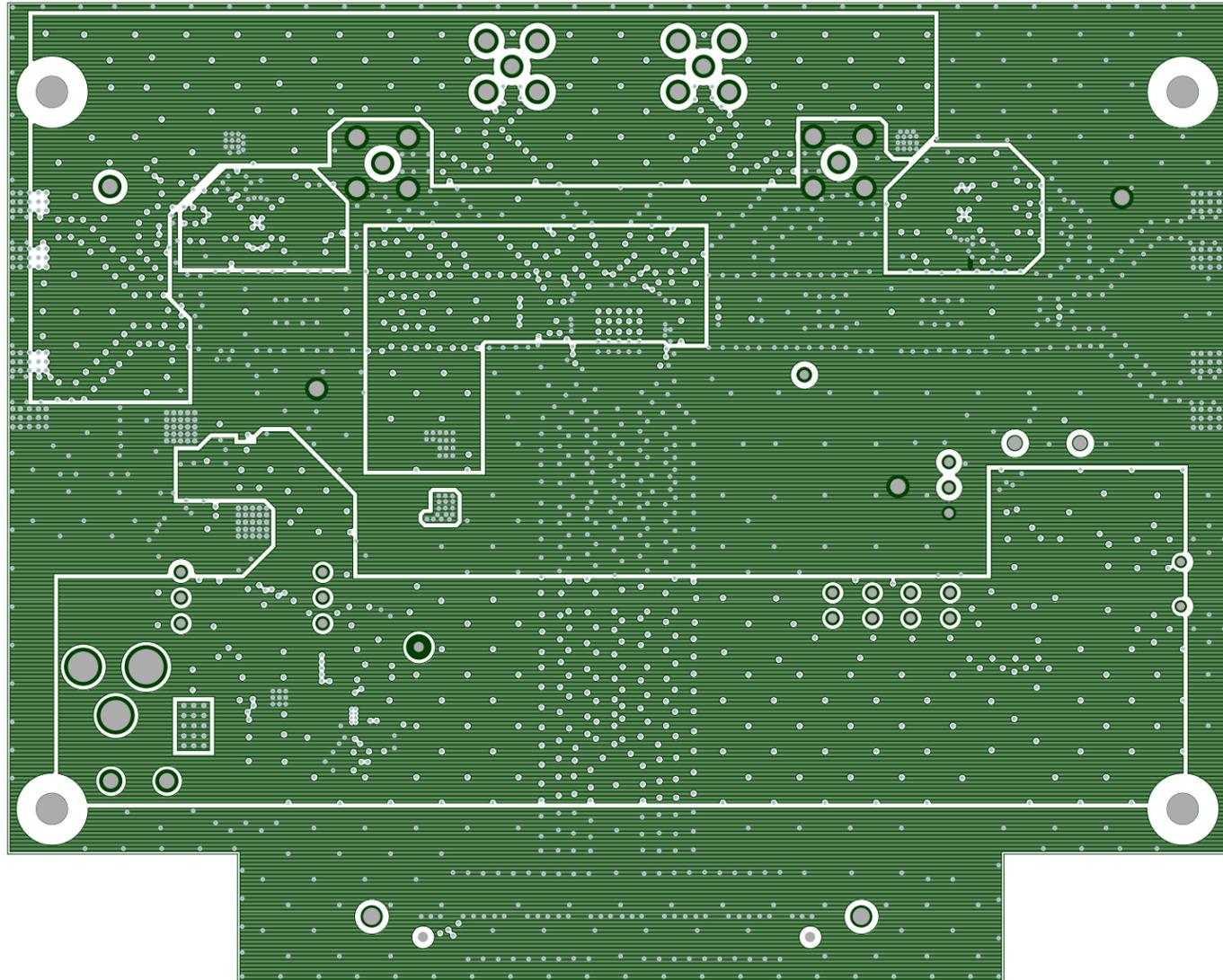
TEXAS INSTRUMENTS  
ADC32XXEVM REV C

LAYER 2 - GROUND PLANE



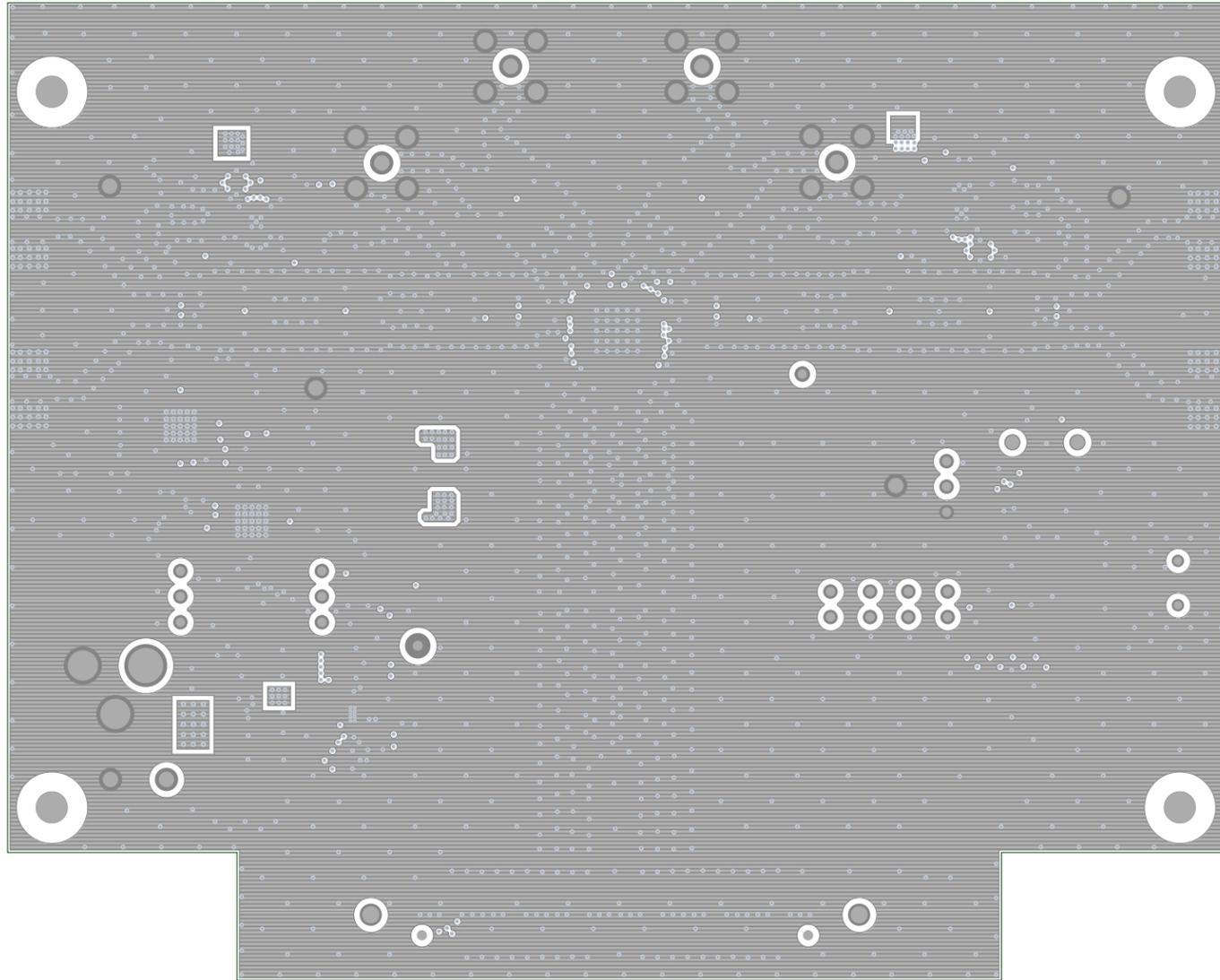
TEXAS INSTRUMENTS  
ADC32XXEVM REV C

LAYER 3 - POWER PLANE



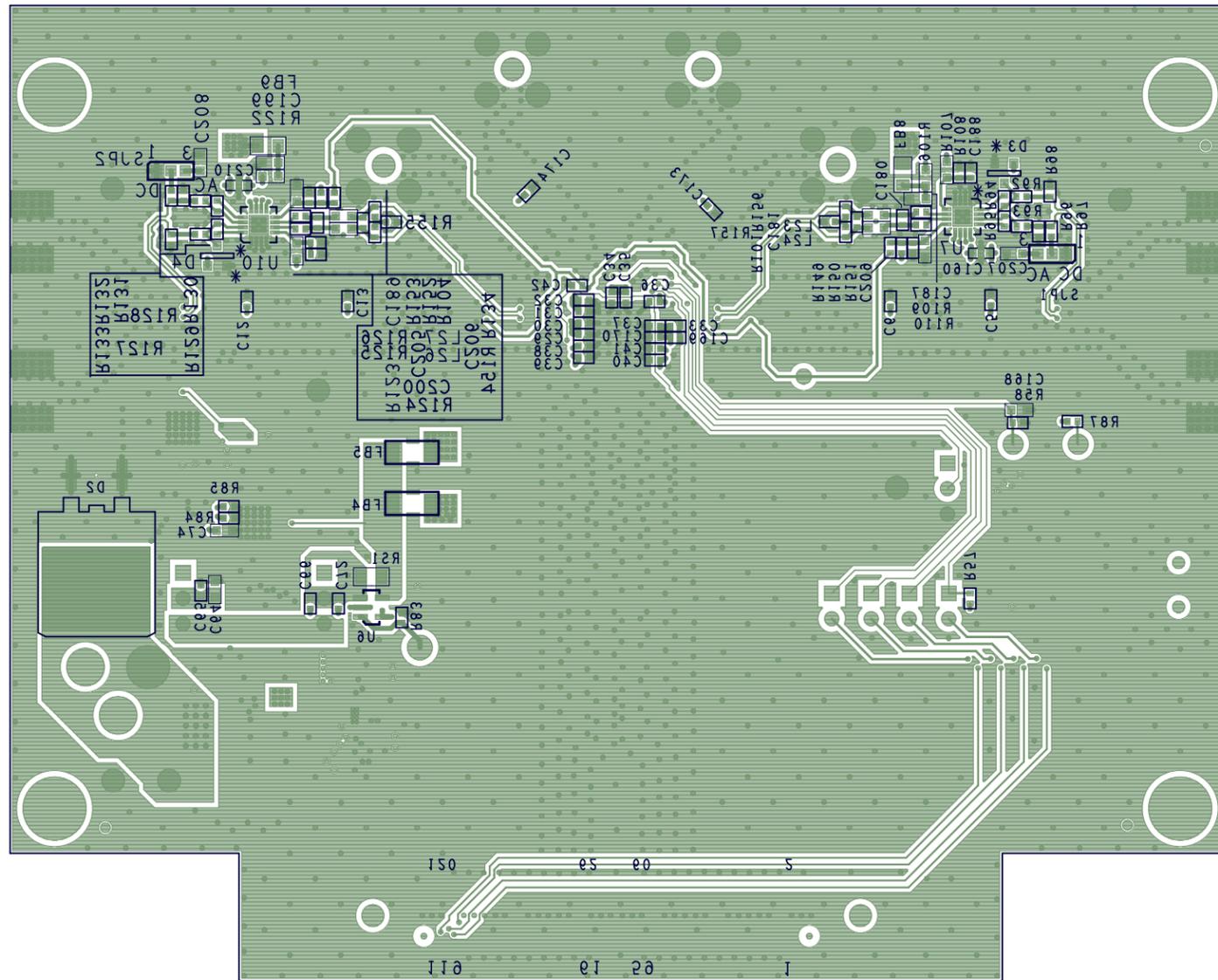
TEXAS INSTRUMENTS  
ADC32XXEVM REV C

LAYER 4 - POWER PLANE



TEXAS INSTRUMENTS  
ADC32XXEVM REV C

LAYER 5 - GROUND PLANE



TEXAS INSTRUMENTS  
ADC32XXEVM REV C

SILKSCREEN BOTTOM SIDE

8

7

6

5

4

3

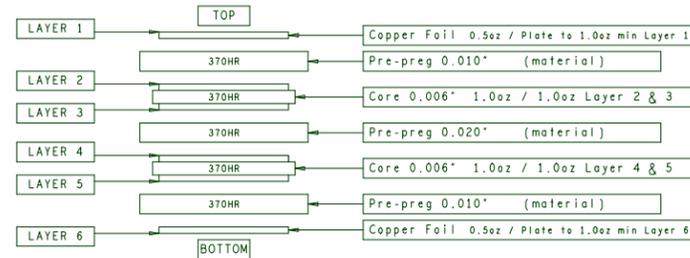
2

1

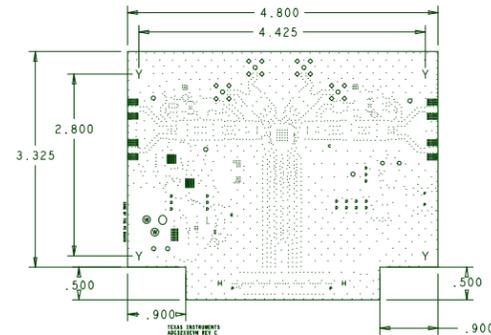
UNLESS OTHERWISE SPECIFIED, ALL NOTES ARE APPLICABLE.

- 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 APPLY AFTER PLATING. TOLERANCE TO BE +/- .003.
  - 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. BOARD MATERIAL SHALL BE ISOLA FR-370HR. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. RoHS CERTIFICATE OF CONFORMANCE SHALL BE DELIVERED WITH EACH LOT.
- MATERIAL: MULTILAYER  
TOTAL BOARD THICKNESS: .062 +/- .006  
NUMBER OF FINISHED LAYERS: 6
- MANUFACTURER'S UL MARKING, FLAMMABILITY RATING, LOGO AND DATE CODE TO BE PLACED IN COPPER/SILKSCREEN ON BOTTOM SIDE OF THE BOARD.
  - SOLDERMASK: HASL. COLOR = RED.
  - SILKSCREEN BOTH SIDES. USING WHITE NPI LEADFREE. REGISTRATION TOLERANCE TO BE +/- .005.
  - 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.
  - ALL INNER LAYER UNCONNECTED PADS SHALL BE REMOVED.
  - ALL INNER LAYER THERMALS ON 8 AND 10MIL HOLES TO BE CHANGED TO DIRECT TIES TO THE PLANE LAYERS.
  - TOP AND BOTTOM LAYERS 19 MIL TRACES TO BE 50 OHM IMPEDANCE. TOP AND BOTTOM LAYERS 8.5 MIL TRACES WITH 6.5 MIL SPACING TO BE 100 OHM DIFFERENTIAL IMPEDANCE.
  - MINIMUM COPPER CONDUCTOR WIDTH IS : 5 MILS. MINIMUM COPPER SPACING IS: 4 MILS.
  - SMOBC/IMMERSION GOLD: 2-8 uIN OVER 118-236 uIN PLATING.
  - PADS MAY BE TEAR-DROPPED TO MEET THE ANNUAL RING REQUIREMENTS.
  - PCB MUST BE RoHS COMPLIANT AND SURVIVE LEAD FREE ASSEMBLY. MAX REFLOW OF 260 DEGREES C (6 PASSES).
  - ALL 6 MIL, 8 MIL AND 10 MIL HOLES/VIAS TO BE PLATED AND FILLED WITH NON-CONDUCTIVE EPOXY. FILLED VIAS SHALL BE PLATED AFTER FILLING AND COPLANAR.

ZONE		REVISIONS	
LTR	DESCRIPTION	DATE	APPROVED



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
-	8.0	PLATED	8
-	10.0	PLATED	1764
-	12.0	PLATED	185
*	38.0	PLATED	1
*	38.0	PLATED	17
*	40.0	PLATED	1
o	55.0	PLATED	2
o	62.0	PLATED	10
o	67.0	PLATED	16
H	68.0	PLATED	2
o	120.0	PLATED	2
Y	125.0	PLATED	4
O	140.0	PLATED	1
*	35.0	NON-PLATED	2
*	40.0	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	
MATERIAL	DRAWN L NGUYEN	07-08-14	ADC32XXEVM	
SEE NOTE 5	ENGR K CHAN		SIZE	CODE IDENT NO. DRAWING NO. REV.
FINISH	SEE NOTES 7, 8, 9		B	C
DO NOT SCALE DRAWING			SCALE	NONE SHEET 1 OF 1