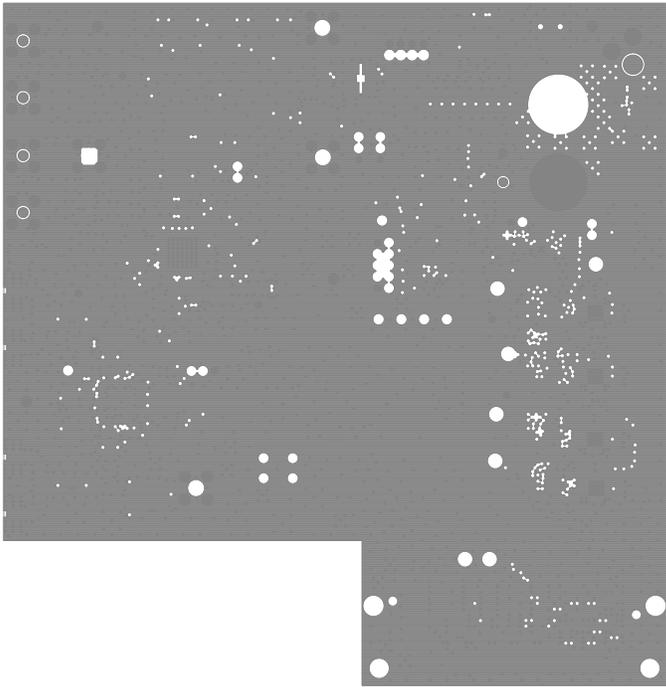
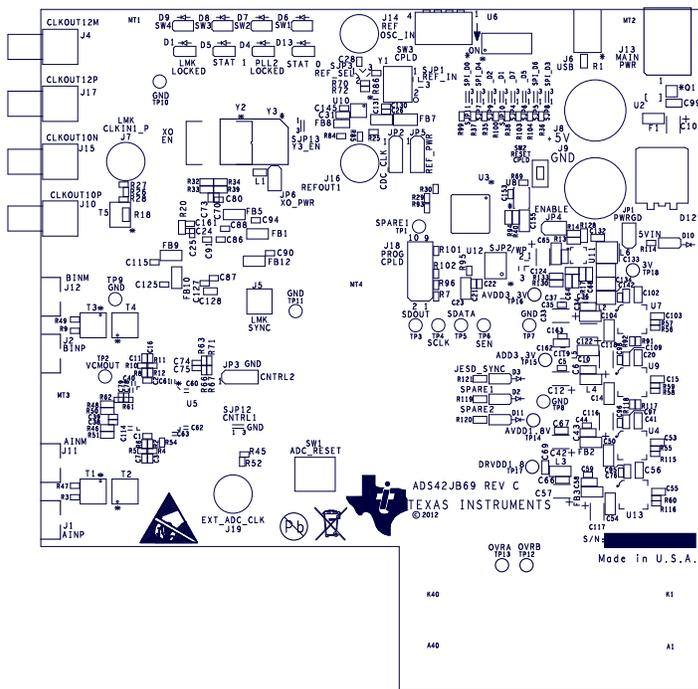


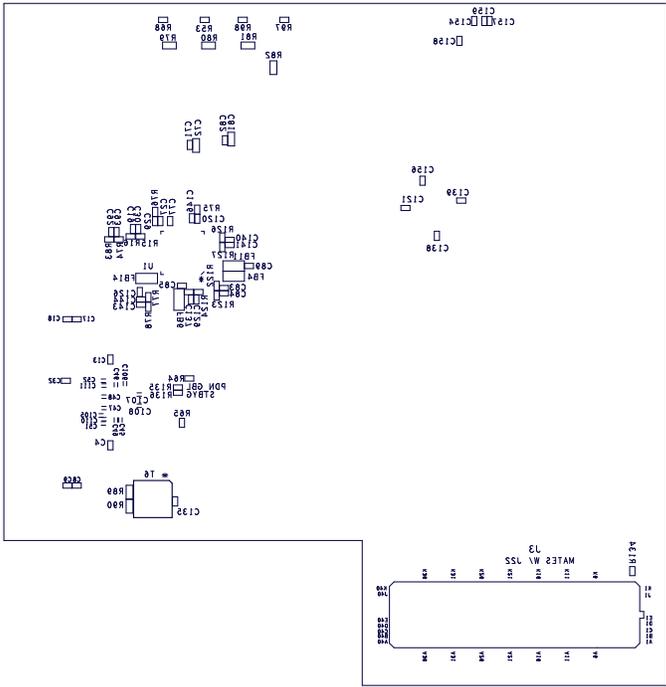
ADS42JB69EVM REV C
LAYER 3 (PWR1)



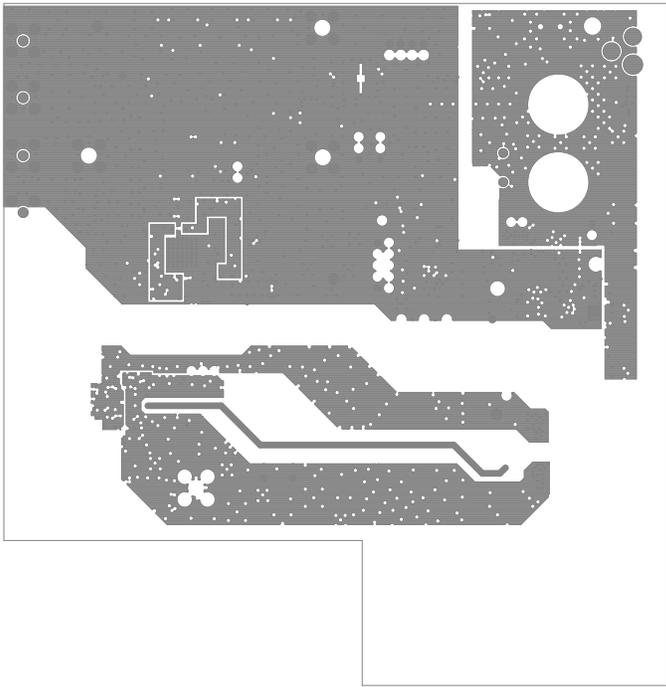
ADS42JB69EVM REV C
LAYER 2 (GND1)



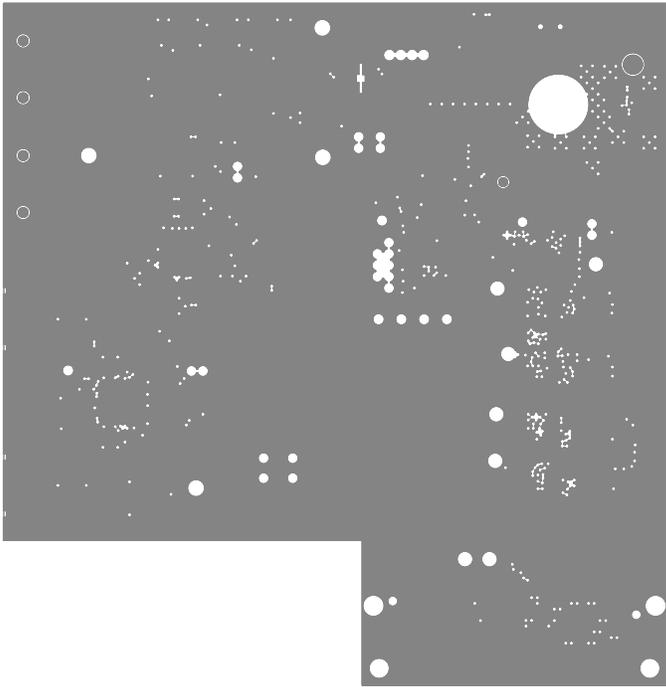
ADS42JB69EVM REV C
SILKSCREEN TOP



ADS42JB69EVM REV C
SILKSCREEN BOTTOM



ADS42JB69EVM REV C
LAYER 4 (PWR2)



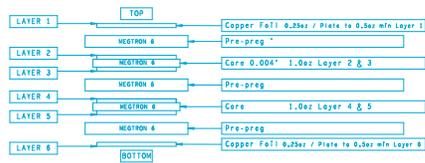
ADS42JB69EVM REV C
LAYER 5 (GND2)

- 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-6006 / ACCEPTABILITY OF PRINTED BOARDS.
 - HOLE SIZE APPLY AFTER PLATING. TOLERANCE TO BE $\pm .003/\pm .010$.
 - REGISTRATION TOLERANCE: ARTWORK $\pm .002$. ALL HOLE CENTERS $\pm .005$ 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 786. MATERIAL MUST MEET OR EXCEED UL FLAMMABILITY RATING MAX. 0. MATERIAL MULTI-LAYER (SEE DETAIL "A" FOR LAYER STACKUP FOR ALL PRE-PREG & CORE THICKNESSES, COPPER OZ AND MATERIAL). FINISHED BOARD THICKNESS: .062 \pm .004
 - MANUFACTURER'S UL MARKING, FLAMMABILITY RATING, LOGO AND DATE CODE TO BE PLACED IN SILKSCREEN ON BOTTOM SIDE OF THE BOARD.
 - SNORC/IMMERSION GOLD: 3 - 8 μ M OVER 100-200 μ M NICKEL PLATING.
 - SOLDERMASK BOTH SIDES USING TATYO (OR EQUIVALENT) COLOR = RED (0.001 TO 0.002" THICK OVER METAL).
 - SILKSCREEN BOTH SIDES USING WHITE INK LEADFREE. REGISTRATION TOLERANCE TO BE $\pm .005$. 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.

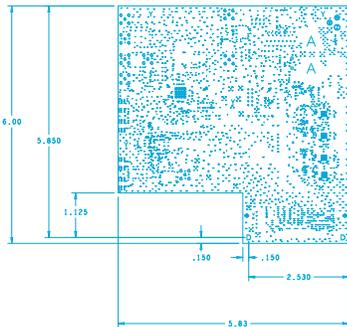
- ALL OUTER LAYERS USING A 19.5MIL TRACE WIDTH SHALL BE 50 OHMS SINGLE ENDED \pm 10%.
- ALL OUTER LAYERS USING A 8.5MIL TRACE WIDTH AND 6.5MIL SPACING SHALL BE 100 OHMS DIFFERENTIAL \pm 10%.
- MINIMUM COPPER CONDUCTOR WIDTH IS: 5MIL. MINIMUM COPPER CONDUCTOR SPACING IS: 4.5MIL.
- ALL INNER LAYER UNCONNECTED PADS SHALL BE REMOVED.
- PWB MUST BE ROHS COMPLIANT AND SURVIVE LEAD FREE ASSEMBLY. MAX REFLOW OF 260 DEGREES C (6 PASSES).

REVISIONS			
ZONE	LYR	DESCRIPTION	DATE APPROVED

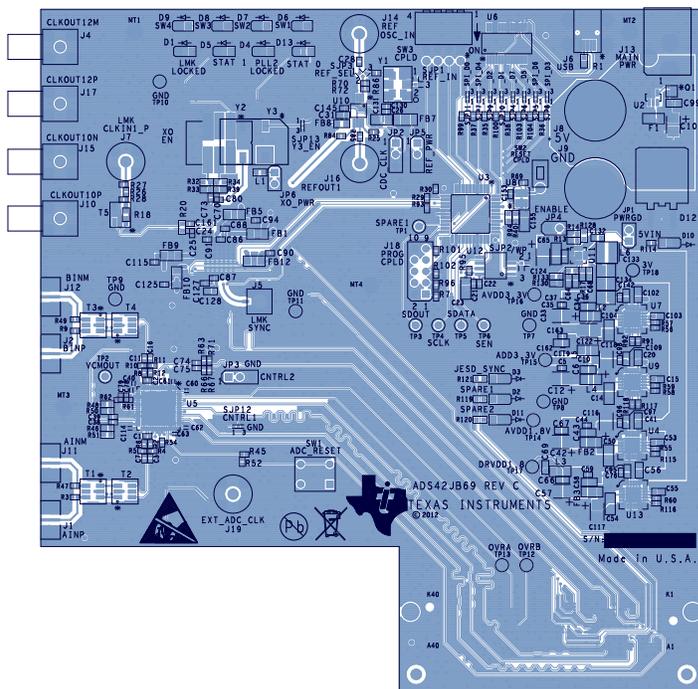
USE DDI'S STACKUP PART NUMBER ADS42JB REV A



DRILL CHART, TOP & BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
*	10.0	PLATED	2388
*	12.0	PLATED	75
*	38.0	PLATED	11
*	38.0	PLATED	29
*	40.0	PLATED	7
*	46.0	PLATED	8
*	55.0	PLATED	2
*	59.0	PLATED	4
*	62.0	PLATED	4
*	67.0	PLATED	32
●	106.0	PLATED	2
●	120.0	PLATED	2
Y	125.0	PLATED	4
⊙	140.0	PLATED	1
A	250.0	PLATED	2
*	18.0	NON-PLATED	2
*	50.0	NON-PLATED	2
D	125.0	NON-PLATED	2



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS DECIMALS ANGLES $\pm .01$ $\pm .005$ $\pm .01$	CONTRACT NO.	TEXAS INSTRUMENTS INC.	
	APPROVALS DATE DRAWN JF SMITH 08-28-12 ENG J BEYON 08-29-12	FABRICATION DRAWING ADS42JB69 EVM	
MATERIAL SEE NOTE 5	SIZE B	CODE IDENT NO.	DRAWING NO.
FINISH SEE NOTE 7, 8, 9	SCALE NONE	SHEET 1 OF 1	
DO NOT SCALE DRAWING	3	2	1



ADS42JB69EVM REV C
 50LRSGREENSTOP LYR 1