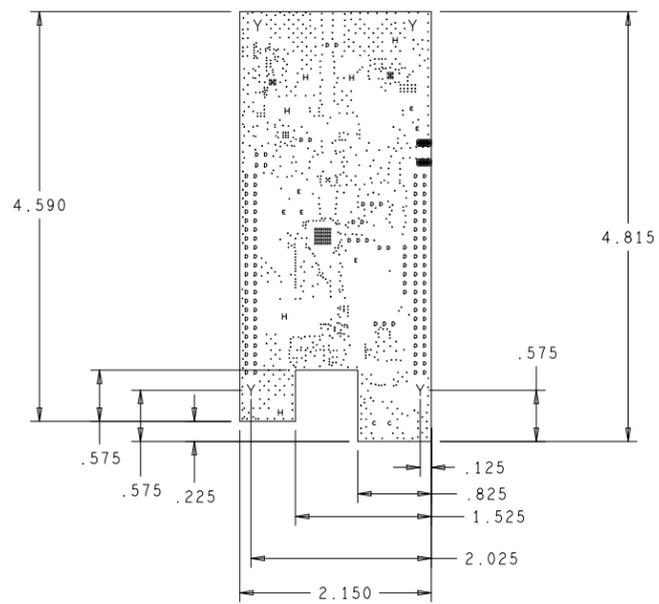
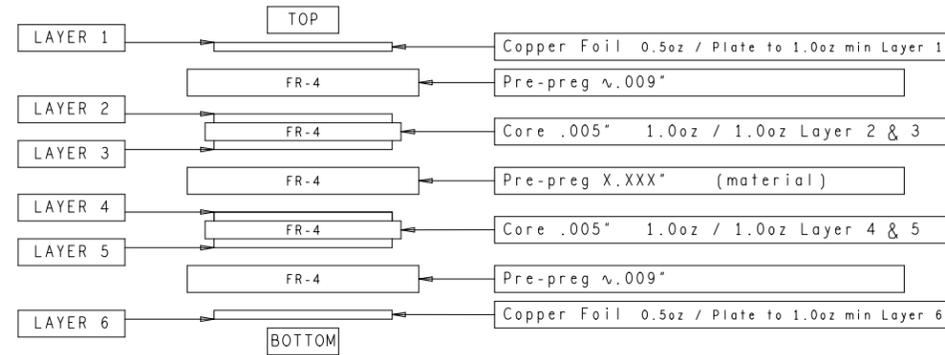


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

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-6012 / QUALIFICATION AND PERFORMANCE SPECIFICATION FOR RIGID PRINTED BOARD, CLASS 2, CURRENT REVISION.
IPC-A-600 / ACCEPTABILITY OF PRINTED BOARDS, CLASS 2, CURRENT REVISION.
- VIA SIZE APPLY AFTER PLATING. TOLERANCE TO BE $\pm .003/- .010$.
HOLE SIZE APPLY AFTER PLATING. TOLERANCE TO BE $\pm .003$.
- 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 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: $.062 \pm 10\%$
- MANUFACTURE'S UL MARKING, FLAMMABILITY RATING, LOGO AND DATE CODE TO BE PLACED IN SILKSCREEN ON BOTTOM SIDE OF THE BOARD.
- SMOBC/IMMERSION GOLD: 2 - 5 μ IN OVER 118-236 μ IN NICKEL PLATING.
- SOLDERMASK BOTH SIDES USING TAIYO (OR EQUIVALENT)
COLOR = RED.
- SILKSCREEN BOTH SIDES USING WHITE NPI 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 15MIL TRACE WIDTH SHALL BE 50 OHMS SINGLE ENDED $\pm 10\%$.
- ALL OUTER LAYERS USING A 7MIL TRACE WIDTH AND 5MIL SPACING SHALL BE 100 OHMS DIFFERENTIAL $\pm 10\%$.
- MINIMUM COPPER CONDUCTOR WIDTH IS: 6MIL.
MINIMUM COPPER CONDUCTOR SPACING IS: 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).



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
.	10.0	PLATED	969
*	12.0	PLATED	35
•	13.0	PLATED	20
*	38.0	PLATED	110
•	40.0	PLATED	9
ε	40.0	PLATED	6
H	63.0	PLATED	6
Y	125.0	PLATED	4
c	39.0	NON-PLATED	2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES \pm .XX \pm .01 \pm ° \pm .XXX \pm .005 \pm °	CONTRACT NO.		TEXAS INSTRUMENTS INC.	
	APPROVALS	DATE	FABRICATION DRAWING	
MATERIAL SEE NOTE 5	DRAWN	JV SMITH	05-25-16	ADS41XX CAPE TIDA-00942
	ENG	N GILL	05-25-16	
FINISH SEE NOTE 7, 8, 9	DO NOT SCALE DRAWING		SIZE D	CODE IDENT NO. DRAWING NO. REV. E1
			SCALE NONE	SHEET 1 OF 1