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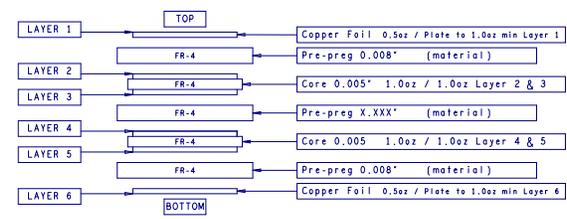
REVISIONS			
ZONE	LTR	DESCRIPTION	DATE APPROVED

UNLESS OTHERWISE SPECIFIED, ALL NOTES ARE APPLICABLE.
 NOTES PRECEDED BY AN UNMARKED "□" ARE NOT APPLICABLE.

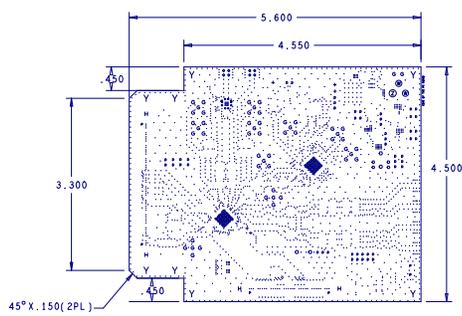
- APPLICATION DESIGN MANUFACTURING AND INSPECTION DOCUMENTS, IPC-2221A & IPC-2222 / DESIGN STANDARD FOR RIGID PRINTED CIRCUIT BOARDS AND RIGID PRINTED BOARD ASSEMBLIES; IPC-6012B / QUALIFICATION AND PERFORMANCE SPECIFICATION FOR RIGID PRINTED BOARD; IPC-A-600G / ACCEPTABILITY OF PRINTED BOARDS.
- HOLE 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.
 MATERIAL: □ SINGLE SIDED, □ DOUBLE SIDED, □ MULTI-LAYER (SEE DETAIL "A")
 SEE LAYER STACKUP FOR ALL PRE-PREG & CORE THICKNESSES, COPPER OZ AND MATERIAL. FINISHED BOARD THICKNESS: .062 +/- .010.
- 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).
- SILKSCREEN □ TOP SIDE, □ BOTH SIDES. USING □ YELLOW, □ 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.

- ALL OUTER LAYERS USING A 12.0 mil TRACE WIDTH SHALL BE 50ohms SINGLE ENDED. +/- 10% TOLERANCE.
 ALL OUTER LAYERS USING A _____ mil TRACE WIDTH SHALL BE 100ohms SINGLE ENDED. +/- 10% TOLERANCE.
 ALL OUTER LAYERS USING A 6.0 mil TRACE WIDTH AND 5.0 mil SPACING SHALL BE 100 ohms DIFFERENTIAL. +/- 10% TOLERANCE.
 ALL INNER LAYERS USING A _____ mil TRACE WIDTH AND _____ mil SPACING SHALL BE 100 ohms DIFFERENTIAL. +/- 10% TOLERANCE.
- MINIMUM COPPER CONDUCTOR WIDTH IS: 5MIL.
 MINIMUM COPPER SPACING IS: 4.5MIL.
- SMOBC/IMMERSION GOLD: 3-8 uIN OVER 100-200 uIN NICKEL PLATING.
- GROUND ETCH ON ALL LAYERS TO BOARD EDGE IS INTENTIONAL. DO NOT PULL BACK.
- NO CHANGES TO ANY ARTWORK ARE PERMITTED WITHOUT WRITTEN AUTHORIZATION.
- HOLES SIZE APPLIES AFTER PLATING. TOLERANCE TO BE +.003/- .010.
- FILL ALL VIAS WITH NON-CONDUCTIVE FILL MATERIAL.
- FINISHED BOARDS MUST BE RoHS COMPLIANT AND SURVIVE A LEAD FREE ASSEMBLY, MAXIMUM REFLOW TEMPERATURE OF 260 DEGREE C (6 PASSES).

DETAIL "A"



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	6.0	+3.0/-3.0	PLATED	10
•	10.0	+0.0/-0.0	PLATED	2344
•	13.0	+3.0/-3.0	PLATED	50
•	36.0	+3.0/-0.0	PLATED	4
•	38.0	+0.0/-0.0	PLATED	50
•	40.0	+3.0/-3.0	PLATED	5
•	45.0	+0.0/-0.0	PLATED	8
•	55.0	+3.0/-0.0	PLATED	4
•	62.0	+0.0/-0.0	PLATED	12
•	67.0	+0.0/-0.0	PLATED	40
•	68.0	+0.0/-0.0	PLATED	4
•	120.0	+0.0/-0.0	PLATED	2
•	140.0	+0.0/-0.0	PLATED	1
•	40.0	+0.0/-0.0	NON-PLATED	4
•	45.0	+0.0/-0.0	NON-PLATED	2
•	125.0	+0.0/-0.0	NON-PLATED	8



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	02-21-13	AFE722XEVM	
SEE NOTE 5	ENGR T. NEU		SIZE B	CODE IDENT NO DRAWING NO. REV. C
FINISH	SEE NOTES 7, 8, 9		SCALE NONE	SHEET 1 OF 1

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