

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

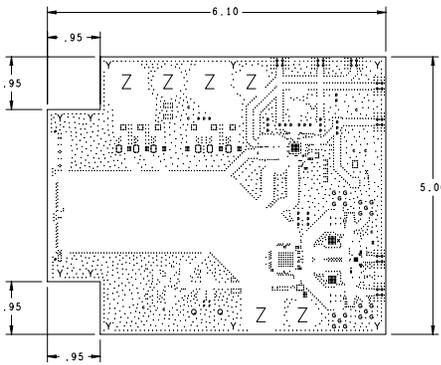
REVISIONS			
ZONE	LTR	DESCRIPTION	DATE

- 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: .078 +/- .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.

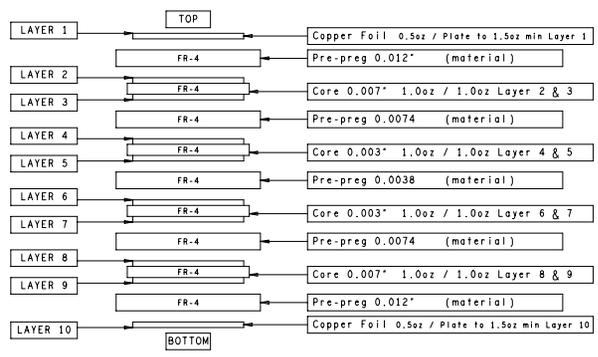
- ALL OUTER LAYERS USING A 20.0 mil TRACE WIDTH SHALL BE 50ohms SINGLE ENDED, +/- 5% TOLERANCE.
- ALL OUTER LAYERS USING A 5.5 mil TRACE WIDTH SHALL BE 100ohms SINGLE ENDED, +/- 5% TOLERANCE.
- ALL INNER LAYERS USING A X.XX mil TRACE WIDTH SHALL BE 50ohms SINGLE ENDED, +/- 5% TOLERANCE.
- ALL INNER LAYERS USING A X.XX mil TRACE WIDTH SHALL BE 100ohms SINGLE ENDED, +/- 5% TOLERANCE.
- ALL OUTER LAYERS USING A X.XX mil TRACE WIDTH AND XX.X mil SPACING SHALL BE 100 ohms DIFFERENTIAL, +/- 5% TOLERANCE.
- ALL INNER LAYERS USING A 5.0 mil TRACE WIDTH AND 10.0 mil SPACING SHALL BE 100 ohms DIFFERENTIAL, +/- 5% 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. SMOBC/HARD GOLD: 5-15 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.

DRILL CHART: TOP to BOTTOM
 ALL UNITS ARE IN MILS

FIGURE	SIZE	PLATED	QTY
.	10.0	PLATED	3118
'	36.0	PLATED	4
+	38.0	PLATED	8
*	38.0	PLATED	26
•	45.0	PLATED	28
o	62.0	PLATED	4
o	67.0	PLATED	16
o	91.0	PLATED	2
Z	250.0	PLATED	6
*	40.0	NON-PLATED	2
Y	125.0	NON-PLATED	10



DETAIL "A"



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES +/- .XXX +/- .005 +/-	CONTRACT NO.		TEXAS INSTRUMENTS INC.	
	APPROVALS	DATE	FABRICATION DRAWING	
	DRAWN P. LARSON	06-22-07	DAC5682Z EVM	
MATERIAL SEE NOTE 5	ENGR J. SETON	SIZE CODE IDENT NO. DRAWING NO. REV. D		
FINISH SEE NOTES 7, 8, 9	SCALE NONE		SHEET 1 OF 1	
DO NOT SCALE DRAWING				