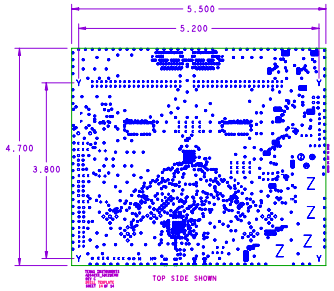
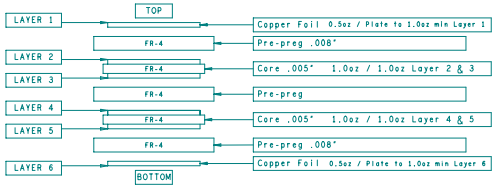
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
·	10.0	PLATED	12
•	10.0	PLATED	1328
•	13.0	PLATED	50
◦	35.0	PLATED	24
◦	36.0	PLATED	8
◦	38.0	PLATED	117
•	40.0	PLATED	4
◦	40.0	PLATED	42
◦	40.0	PLATED	6
▪	55.0	PLATED	2
○	55.0	PLATED	2
○	62.0	PLATED	5
◦	67.0	PLATED	20
◉	120.0	PLATED	2
Ⓓ	140.0	PLATED	1
Z	250.0	PLATED	4
◦	40.0	NON-PLATED	2
◦	45.0	NON-PLATED	2
Y	125.0	NON-PLATED	4



TOP SIDE SHOWN



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

1. 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.
2. HOLE SIZE APPLY AFTER PLATING. TOLERANCE TO BE +/-.003.
3. REGISTRATION TOLERANCE: ARTWORK +/-.002
   ALL HOLE CENTERS +/-.005 FROM DIMENSION DATUM.
4. MINIMUM COPPER WALL THICKNESS SHALL BE .003 INCH.
   FOR ALL PLATED THROUGH HOLES. BREAKOUT NOT ALLOWED.
5. PROCESS AND MATERIAL MUST CONFORM TO UL 796, MATERIAL MUST MEET OR EXCEED UL FLAMMABILITY RATING 94V-0.
   BOARD MATERIAL SHALL BE 180Tg/340Td ISOLA FR-370HR OR EQUIVALENT. RoHS COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B.
   RoHS CERTIFICATE OF CONFORMANCE SHALL BE DELIVERED WITH EACH LOT.

   MATERIAL: ☐SINGLE SIDED ☐DOUBLE SIDED ☒MULTI-LAYER
   COPPER THICKNESS: .062 +/- .006
   BOARD THICKNESS: 062 +/-.006
   NUMBER OF FINISHED LAYERS: 6
6. ☒ MANUFACTURE'S UL MARKING, FLAMMABILITY RATING, ☒LOGO AND DATE CODE TO BE PLACED IN COPPER ON BOTTOM SIDE OF THE BOARD.
7. SOLDERMASK: HASL. COLOR - RED.
8. SILKSCREEN ☐TOP SIDE ☒BOTH SIDES. USING ☐YELLOW ☒WHITE NPI LEADFREE.
   REGISTRATION TOLERANCE TO BE +/-.005.
9. P.C. BOARD TO BE FREE OF DIRT, OIL, FINGER PRINTS, ETC.
10. BOARD WARPAGE; WARP AND TWIST SHALL NOT EXCEED .007 INCH PER INCH MEASURED AT ANY LOCATION OR DIRECTION ON THE BOARD.
11. BOARD MUST BE 100% ELECTRICALLY TESTED TO ENSURE NO SHORTS OR OPEN CIRCUITS.
12. ☒ ALL INNER LAYER UNCONNECTED PADS SHALL BE REMOVED.
13. ☒ ALL INNER LAYER THERMALS ON 10 & 12MIL HOLES TO BE CHANGED TO DIRECT TIES TO THE PLANE LAYERS.
14. TOP AND BOTTOM LAYERS 12 MIL TRACES TO BE 50 OHM IMPEDANCE; TOLERANCE 10%.
    TOP AND BOTTOM LAYERS 6 MIL TRACES WITH 5 MIL SPACING TO BE 100 OHM DIFFERENTIAL IMPEDANCE; TOLERANCE 10%.
15. MINIMUM COPPER CONDUCTOR WIDTH IS : 5 MILS.
    MINIMUM COPPER SPACING IS: 5 MILS.
16. GOLD PLATING (FULL BODY): 5-15 uIN OVER 100-200 NICKEL.
    IMMERSION GOLD.
17. PADS MAY BE TEAR-DROPPED TO MEET THE ANNUAL RING REQUIREMENTS.

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
	DRAWN L. NGUYEN 01-27-11	ADS42XX/ADS58C28 EVM
MATERIAL SEE NOTE 5	ENGR H. Q. LIU	
FINISH SEE NOTES 7, 8, 9		SIZE B · CODE IDENT NO. · DRAWING NO. · REV. C
DO NOT SCALE DRAWING		SCALE NONE · SHEET 1 OF 1