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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 .001 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.
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: 0.062 +/- 10%

6. MANUFACTURE'S UL MARKING, FLAMMABILITY RATING, LOGO AND DATE CODE TO BE PLACED IN SILKSCREEN ON BOTTOM SIDE OF THE BOARD.

7. SMOBC/ENIG: 2 - 4 μIN OVER 100-200 μIN NICKEL PLATING.

8. SOLDERMASK BOTH SIDES USING TAIYO (OR EQUIVALENT) COLOR = RED.

9. SILKSCREEN TOP SIDE BOTH SIDES, USING YELLOW WHITE EPOXY INK.
REGISTRATION TOLERANCE TO BE +/- .005.

10. P.C. BOARD TO BE FREE OF DIRT, OIL, FINGER PRINTS, ETC.

11. BOARD WARPAGE: WARP AND TWIST SHALL NOT EXCEED .007 INCH PER INCH MEASURED AT ANY LOCATION OR DIRECTION ON THE BOARD.

12. BOARD MUST BE 100% ELECTRICALLY TESTED TO ENSURE NO SHORTS OR OPEN CIRCUITS.

13. ALL OUTER LAYERS USING A 18 mil TRACE WIDTH SHALL BE 50ohms SINGLE ENDED. +/- 2.5% +/- 10%

14. ALL INNER LAYERS USING A X.XX mil TRACE WIDTH SHALL BE 50ohms SINGLE ENDED. +/- 5% +/- 10%

15. ALL OUTER LAYERS USING A 16 mil TRACE WIDTH AND 10 mil GROUND SPACING SHALL BE 50ohms SE COPLANER. +/- 5% +/- 10%

16. ALL INNER LAYERS USING A X.XX mil TRACE WIDTH AND X.XX mil SPACING SHALL BE 100ohms DIFFERENTIAL. +/- 5% +/- 10%

17. ALL THROUGH VIAS TO BE PLUGGED WITH NON-CONDUCTIVE EPOXY MATERIAL.
PLUGGED VIAS TO BE PLATED AFTER PLUGGING TO PRESENT FLAT SURFACE TO DEVICE.
NO POTHOLEES.

18. ALL INNER LAYER UNCONNECTED PADS SHALL BE REMOVED.

19. PWB MUST BE ROHS COMPLIANT AND SURVIVE LEAD FREE ASSEMBLY,
MAX REFLOW OF 260 DEGREES C (6 PASSES).

TOP

LAYER 1

Copper Foil 0.5oz / Plate to 1.0oz min Layer 1

PCL-370HR

LAYER 2

PCL-370HR

Core 34.8 mil1.0oz / 1.0oz Layer 2 & 3

PCL-370HR

Pre-preg 10.86 mil (material)

Copper Foil 0.5oz / Plate to 1.0oz min Layer 4

LAYER 4

BOTTOM

DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS

FIGURE	SIZE	TOLERANCE	PLATED	QTY
	8.0	+0.0 / -0.0	PLATED	393
	10.0	+0.0 / -0.0	PLATED	652
	12.0	+0.0 / -0.0	PLATED	284
	38.0	+0.0 / -0.0	PLATED	23
	40.0	+0.0 / -0.0	PLATED	9
	45.0	+0.0 / -0.0	PLATED	4
	120.0	+3.0 / -3.0	PLATED	2
	125.0	+0.0 / -0.0	PLATED	4
	140.0	+3.0 / -3.0	PLATED	1
	18.0	+0.0 / -0.0	NON-PLATED	2

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ / - .XX + / - .01 + / -
 .XXX + / - .005 + / -

MATERIAL
SEE NOTE 5

FINISH
SEE NOTE 7, 8, 9

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS
DRAWN LYNN WITTER
CHECKED

DATE
11-18-13

TEXAS INSTRUMENTS INC.

FABRICATION DRAWING
TRF3722 EVM

SIZE
B

CODE IDENT NO.

DRAWING NO.

REV.
A

SCALE
NONE

SHEET 1 OF 1

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ / - .XX + / - .01 + / -
 .XXX + / - .005 + / -

MATERIAL
SEE NOTE 5

FINISH
SEE NOTE 7, 8, 9

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