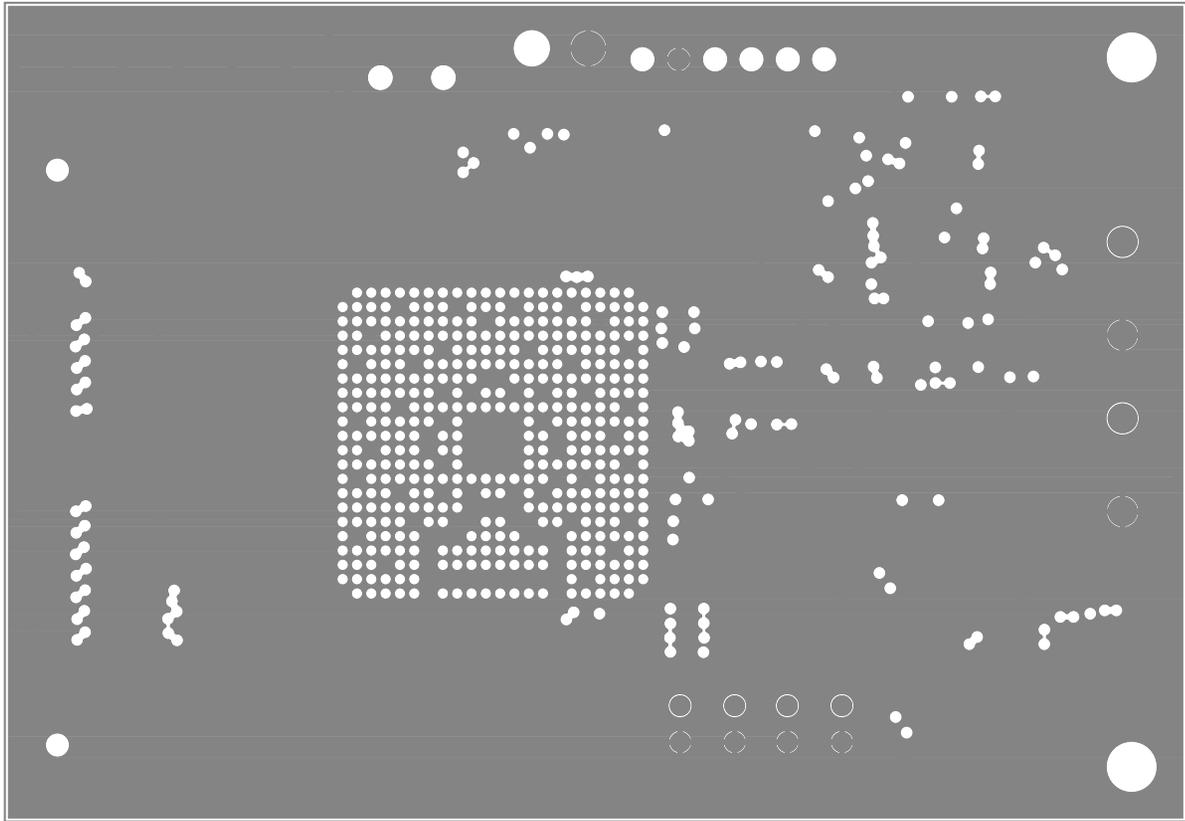
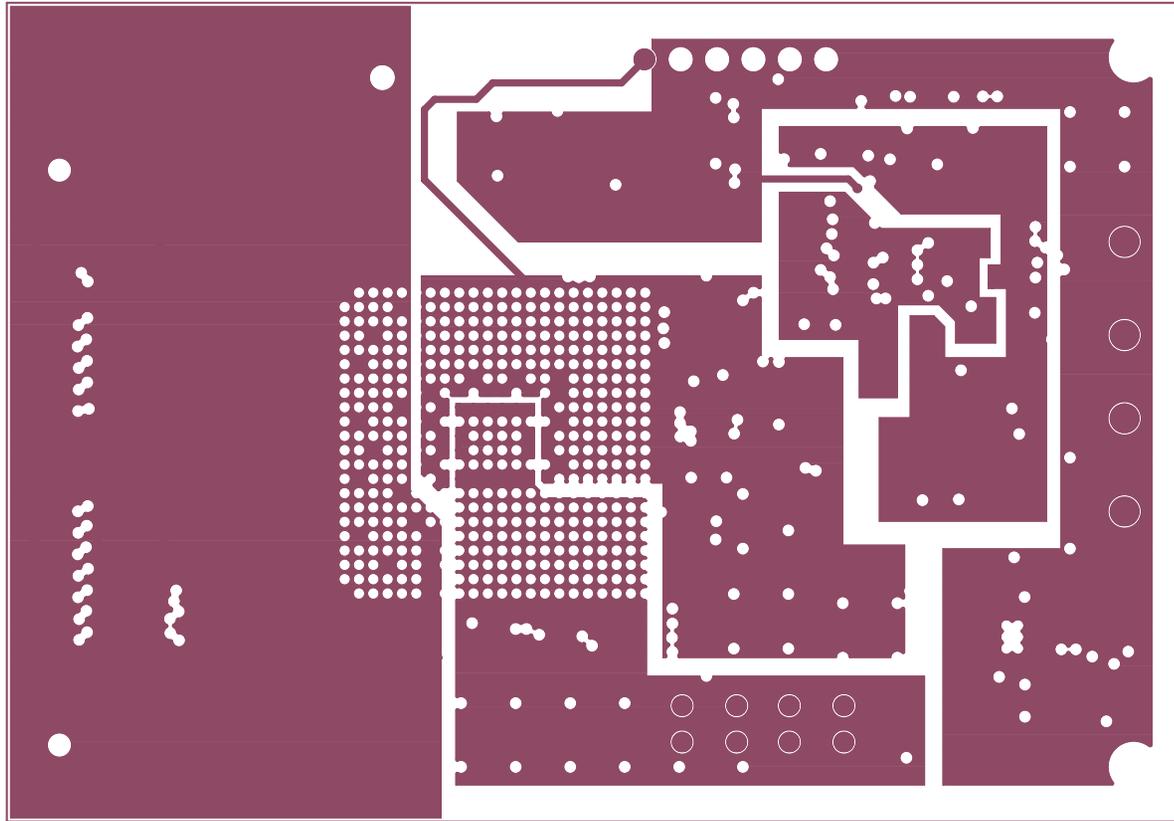


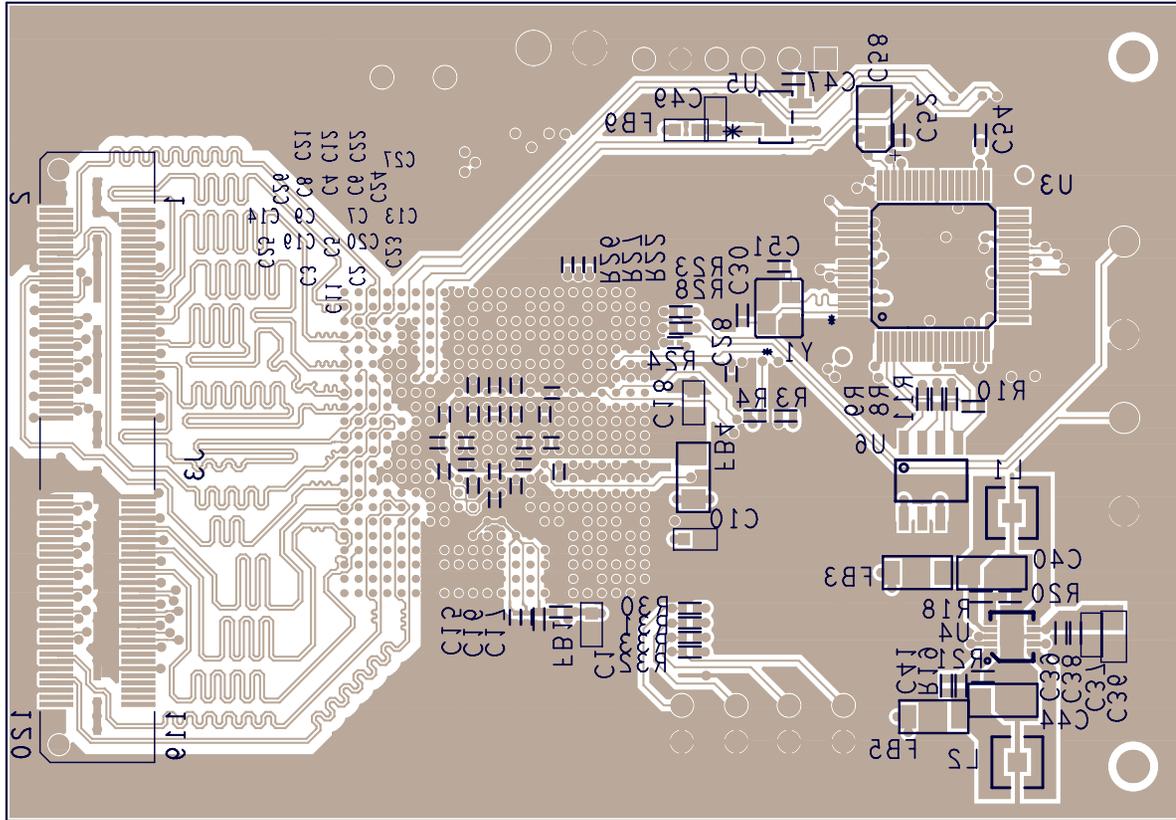
TEXAS INSTRUMENTS, INC.
 TSW1405EVM
 PCB REV A
 SILKSCREEN TOP



TEXAS INSTRUMENTS, INC.
TSW1405EVM
PCB REV A
GROUND PLANE-LYR 2



TEXAS INSTRUMENTS, INC.
TSW1405EVM
PCB REV A
POWER PLANE-LYR 3



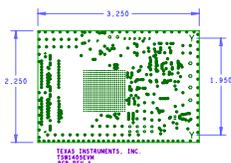
TEXAS INSTRUMENTS, INC.
 TSW1405EVM
 PCB REV A
 SILKSCREEN BOTTOM 4

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

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE

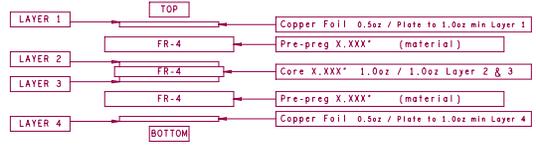
- APPLICATION DESIGN MANUFACTURING AND INSPECTION DOCUMENTS.
 IPC-2221A & IPC-2222 / DESIGN STANDARD FOR RIGID PRINTED CIRCUIT BOARDS AND RIGID PRINTED BOARD ASSEMBLIES.
 IPC-6012B / QUALIFICATION AND PERFORMANCE SPECIFICATION FOR RIGID PRINTED BOARD.
 IPC-A-600G / ACCEPTABILITY OF PRINTED BOARDS.
- HOLE SIZE APPLIES 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: 0.031 +/-10%.
- 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 X.XX mil TRACE WIDTH SHALL BE 50ohms SINGLE ENDED, +/- 5% TOLERANCE.
 □ ALL OUTER LAYERS USING A X.XX 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 6.00 mil TRACE WIDTH AND 5.00 mil SPACING SHALL BE 100 ohms DIFFERENTIAL, +/-10% TOLERANCE.
 □ ALL INNER LAYERS USING A X.XX mil TRACE WIDTH AND X.XX mil SPACING SHALL BE 100 ohms DIFFERENTIAL, +/-10% TOLERANCE.
- MINIMUM COPPER CONDUCTOR WIDTH IS: MIL.
 MINIMUM COPPER SPACING IS: MIL.
- SMOBC/IMMERSON GOLD: 3-8 uIN OVER 100-200 uIN NICKEL PLATING.
- ALL THRU HOLE VIAS TO BE PLATED AND FILLED WITH NON-CONDUCTIVE EPOXY. FILLED VIAS SHALL BE PLATED AFTER FILLING AND COPLANAR.
- GROUND ETCH TO BOARD EDGE IS INTENTIONAL. DO NOT PULL BACK.
- NO CHANGES TO ANY ARTWORK ARE PERMITTED WITHOUT WRITTEN AUTHORIZATION.
- FINISHED BOARD MUST BE RoHS COMPLIANT AND SURVIVE A LEAD FREE ASSEMBLY. MAXIMUM REFLOW OF 260 DEGREES C (6 PASSES).
- BOARD TO BE PANELIZED FOR ASSEMBLY.
- HOLE SIZE APPLIES AFTER PLATING. TOLERANCE TO +/--.003/--.010.



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
•	10.0	PLATED	490
•	12.0	PLATED	277
•	13.0	PLATED	145
•	36.0	PLATED	8
•	38.0	PLATED	6
•	55.0	PLATED	4
•	62.0	PLATED	2
•	40.0	NON-PLATED	2
•	45.0	NON-PLATED	2
Y	125.0	NON-PLATED	2

DETAIL 'A'



TEXAS INSTRUMENTS, INC.
 TSW1405EV
 REV. A

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 TSW1405EVM	
	DRAWN L. NGUYEN	06-29-11		
MATERIAL	ENGR R. PRENTICE	SEE NOTE 5		
FINISH	SEE NOTES 7, 8, 9		SIZE B	CODE IDENT NO. DRAWING NO.
DO NOT SCALE DRAWING			SCALE NONE	REV. A