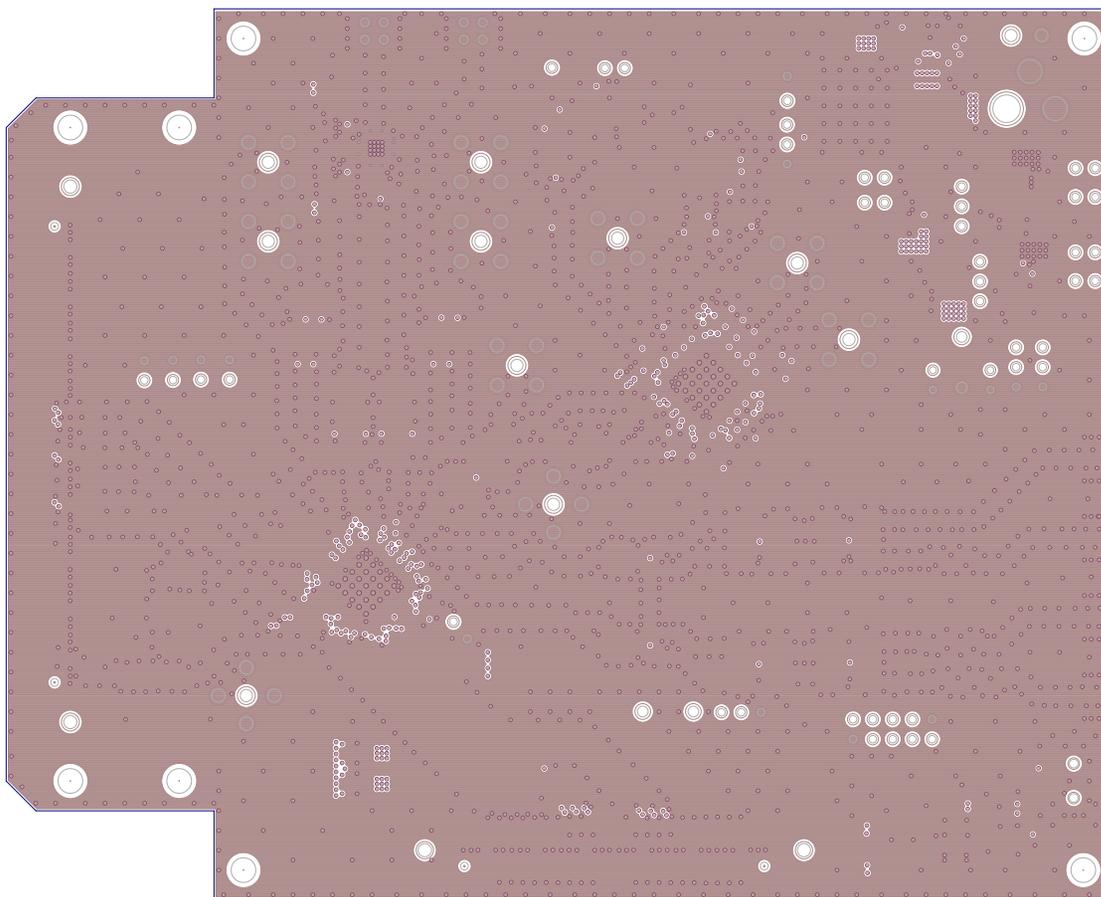
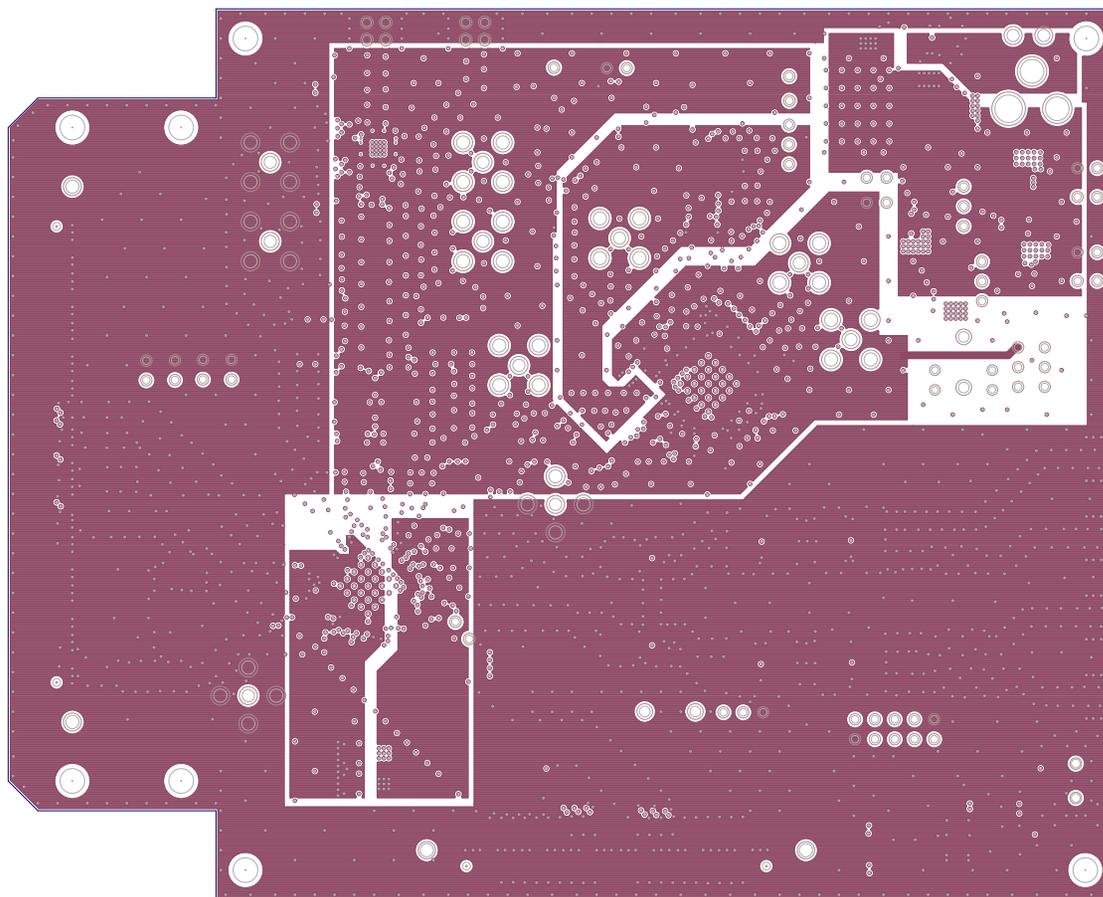


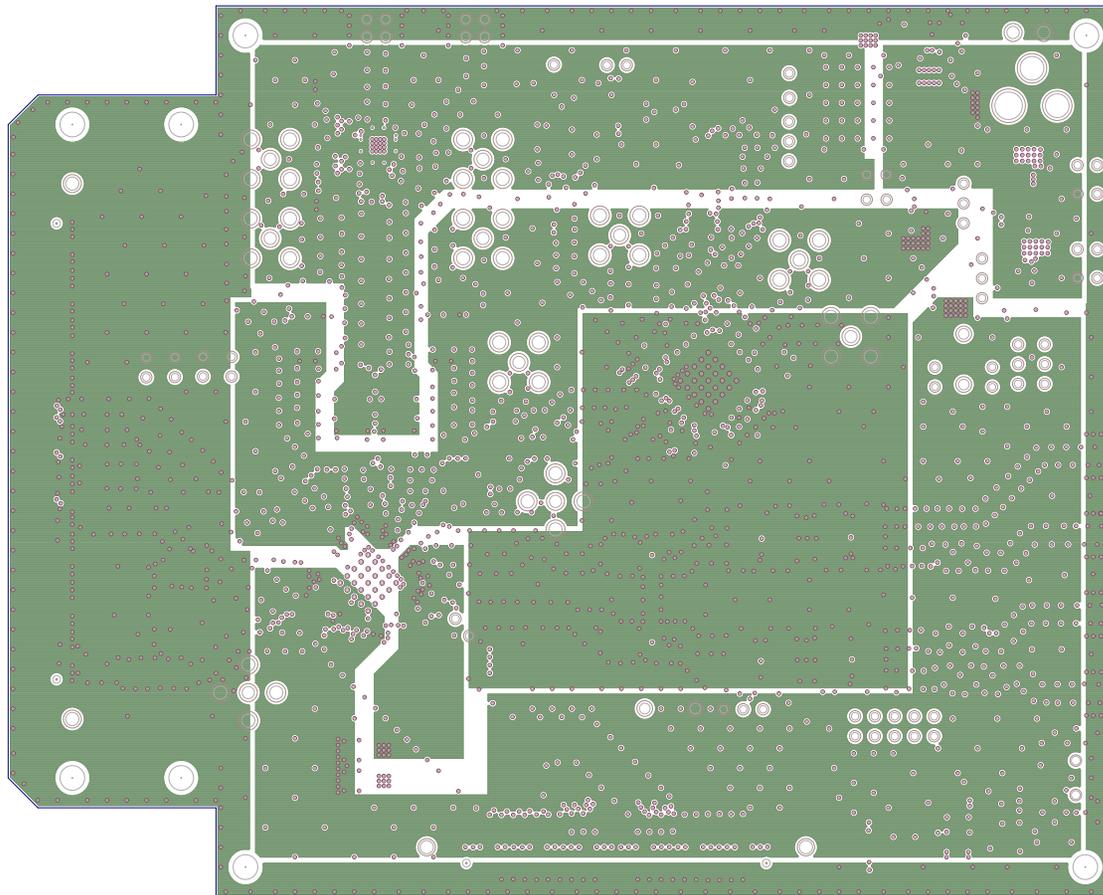
TEXAS INSTRUMENTS
 AFE7225 EVM REV C
 LAYER 1 (TOP SIDE)
 SILKSCREEN TOP



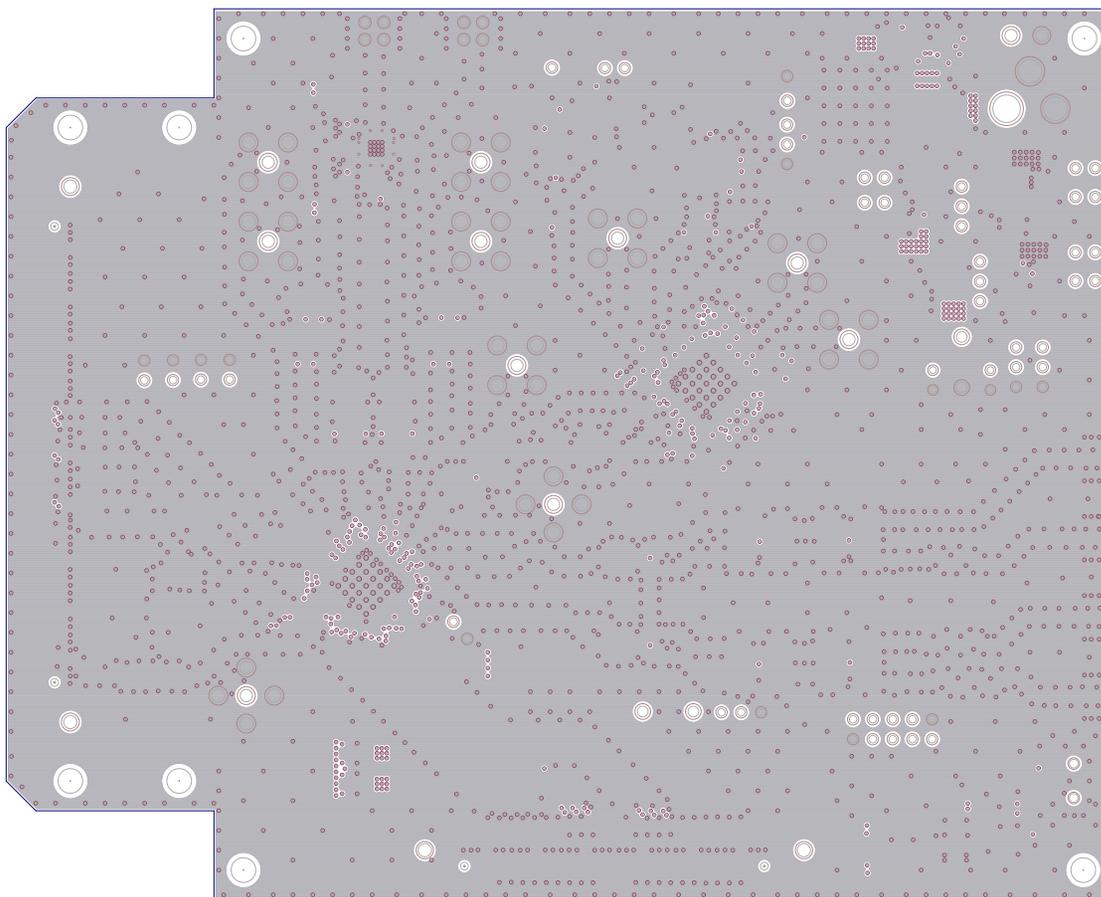
TEXAS INSTRUMENTS
AFE7225 EVM REV C
LAYER 2



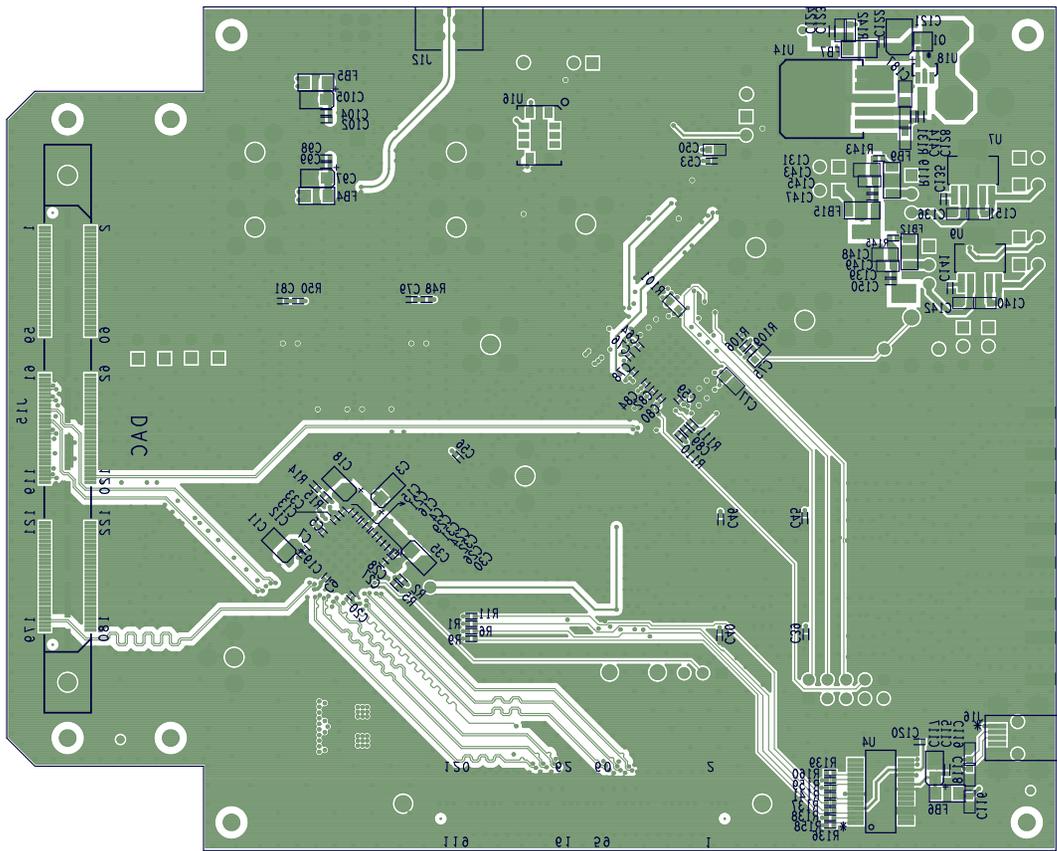
TEXAS INSTRUMENTS
AFE7225 EVM REV C
LAYER 3



TEXAS INSTRUMENTS
AFE7225 EVM REV C
LAYER 4



TEXAS INSTRUMENTS
AFE7225 EVM REV C
LAYER 5



TEXAS INSTRUMENTS
AFE7225 EVM REV C
LAYER 6 (BOTTOM SIDE)
SILKSCREEN BOTTOM

8 7 6 5 4 3 2 1

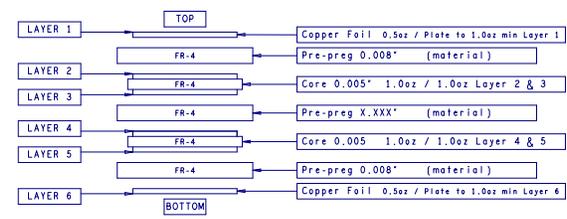
REVISIONS			
ZONE	LTR	DESCRIPTION	DATE APPROVED

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

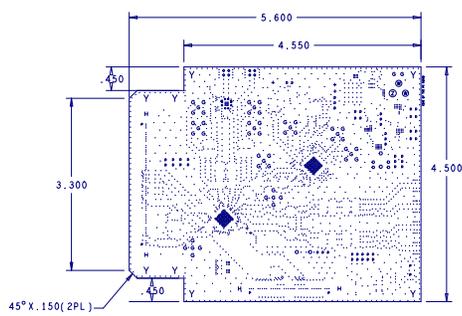
- APPLICATION DESIGN MANUFACTURING AND INSPECTION DOCUMENTS, IPC-2221A & IPC-2222 / DESIGN STANDARD FOR RIGID PRINTED CIRCUIT BOARDS AND RIGID PRINTED BOARD ASSEMBLIES; IPC-6012B / QUALIFICATION AND PERFORMANCE SPECIFICATION FOR RIGID PRINTED BOARD; IPC-A-600G / ACCEPTABILITY OF PRINTED BOARDS.
- HOLE 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.
- HOLE 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
o	55.0	+3.0/-0.0	PLATED	4
*	62.0	+0.0/-0.0	PLATED	12
*	67.0	+0.0/-0.0	PLATED	40
H	68.0	+0.0/-0.0	PLATED	4
o	120.0	+0.0/-0.0	PLATED	2
o	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
Y	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

8 7 6 5 4 4 3 2 1