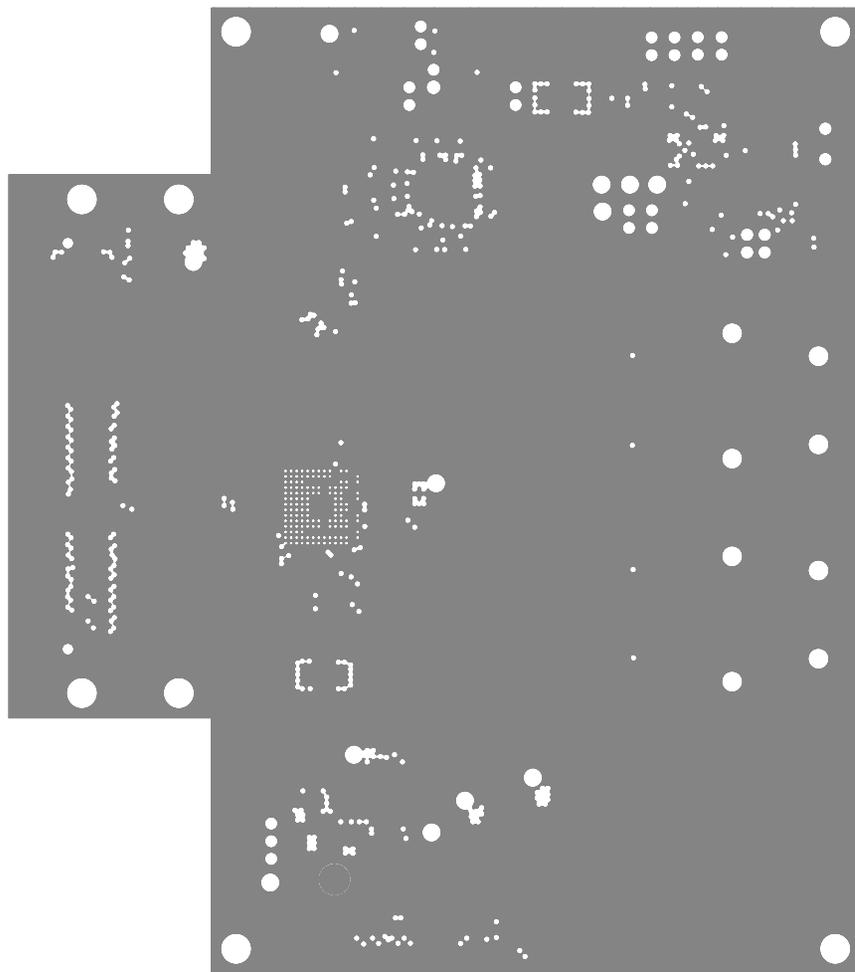
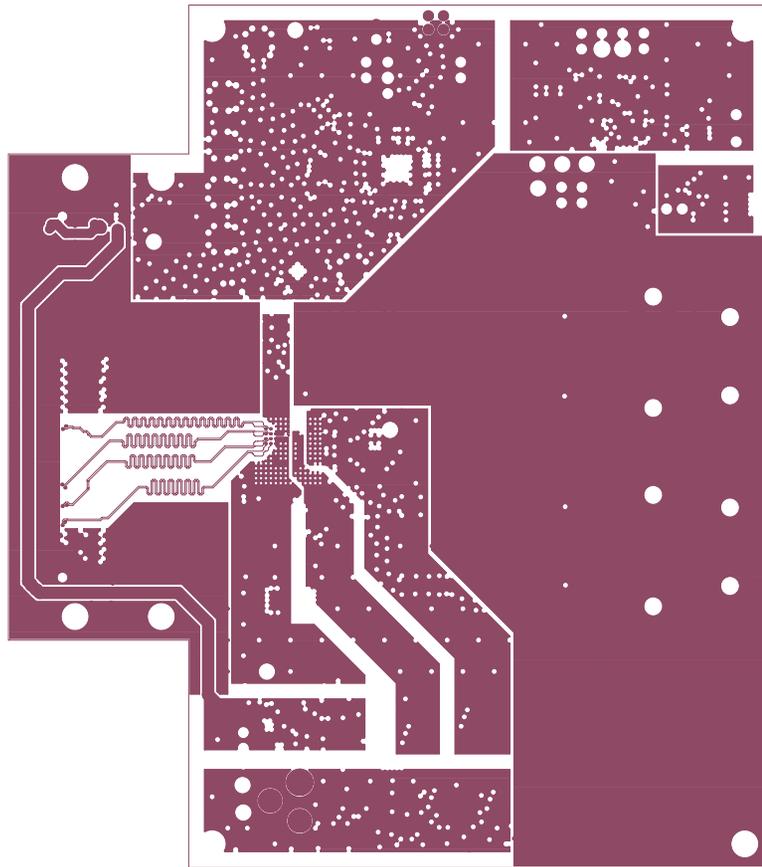


TEXAS INSTRUMENTS
 DAC34H8X EVM REV C
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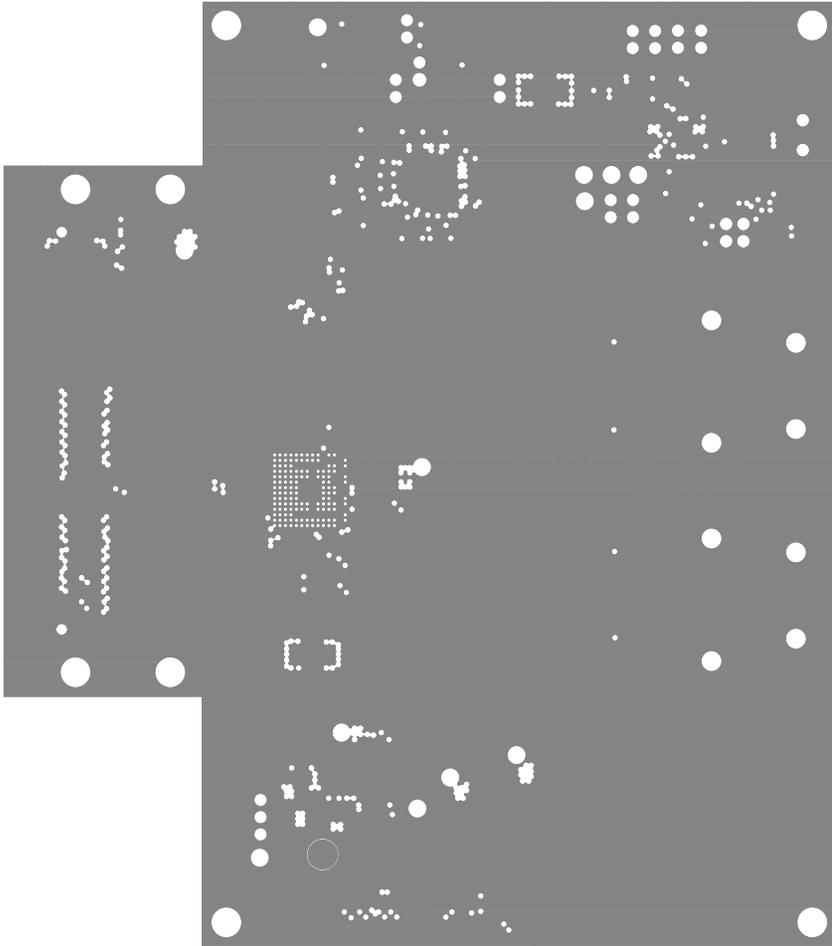
TEXAS INSTRUMENTS INC.
 © 2010
 DAC34H8X EVM
 REV C
 S/N: [REDACTED]



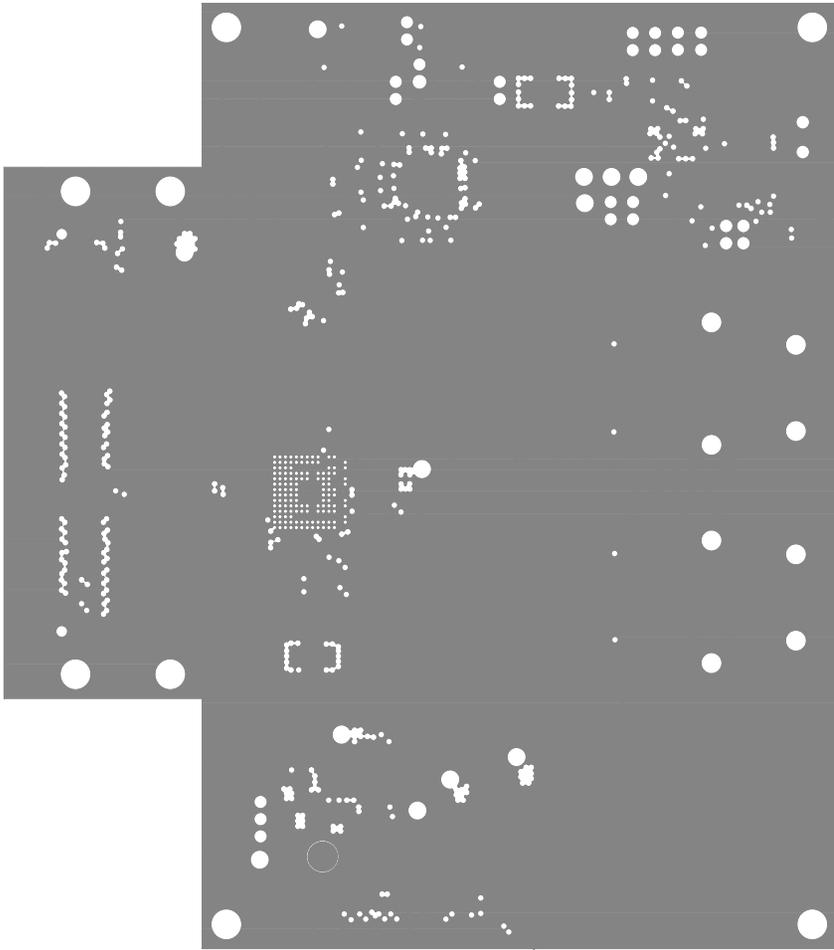
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LAYER 2 - GND



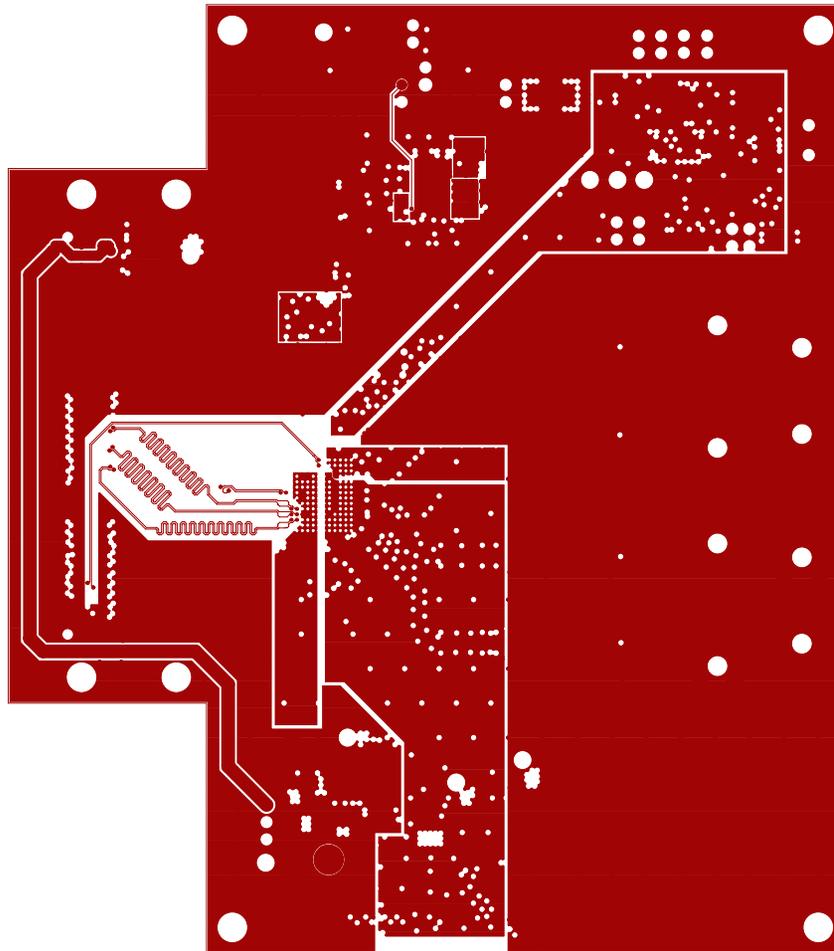
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DAC34H8X EVM REV C
LAYER 3 - POWER



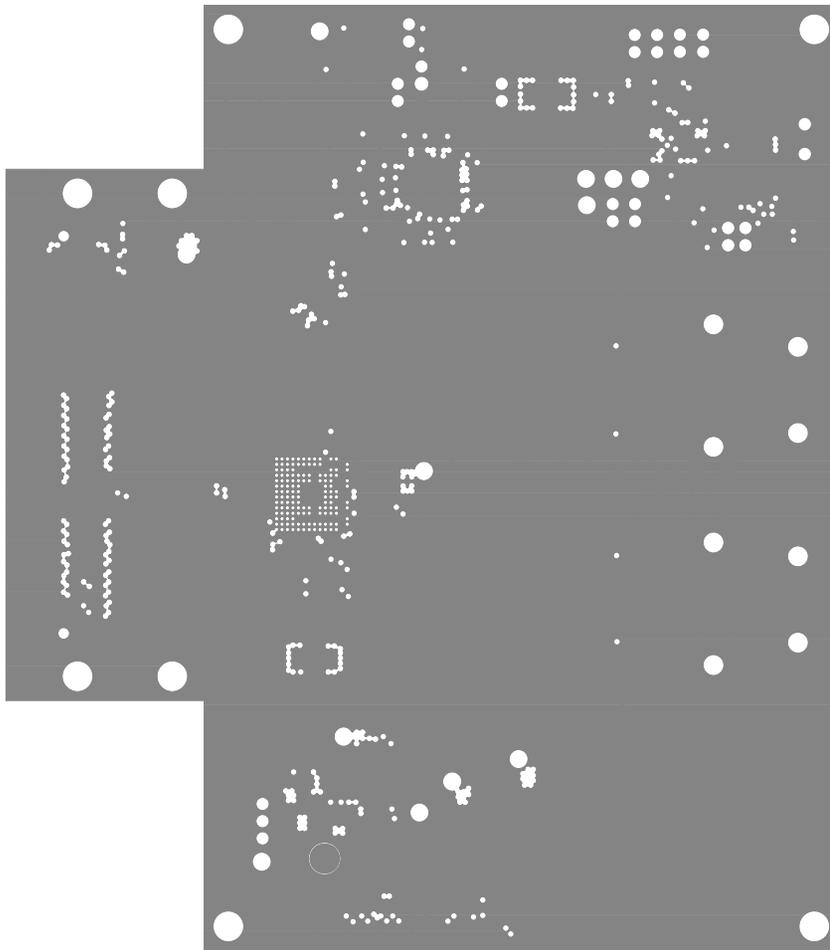
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LAYER 4 - GND



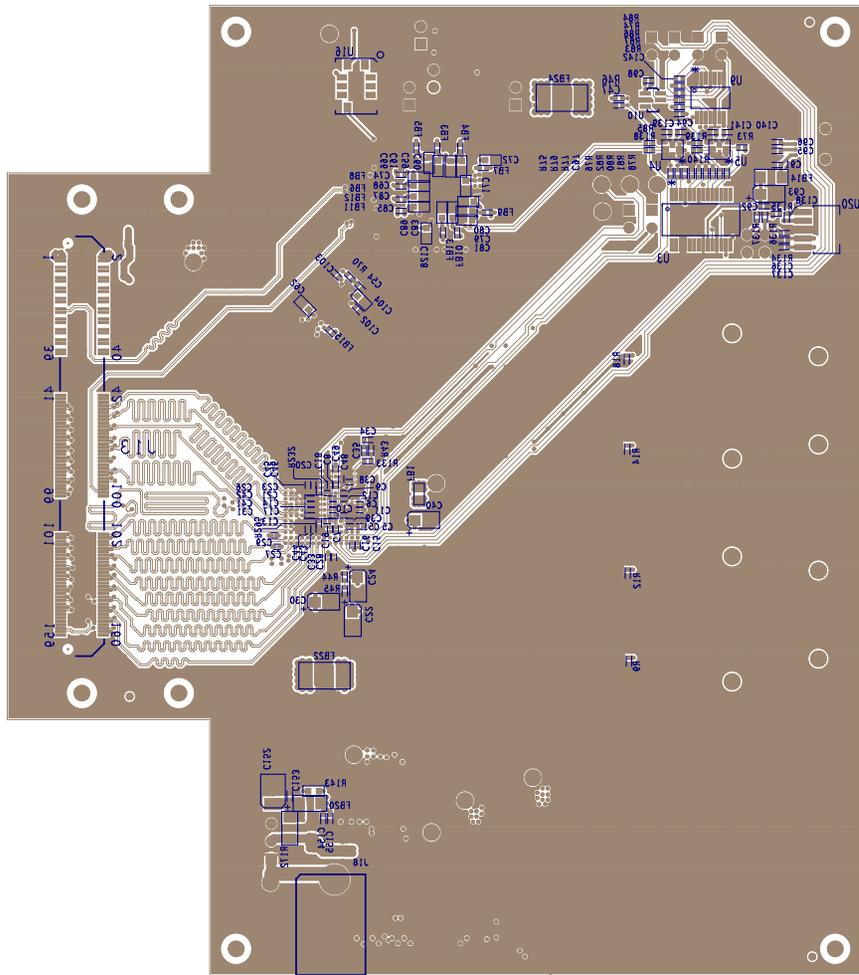
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LAYER 5 - GND



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DAC34H8X EVM REV C
LAYER 6 - POWER



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DAC34H8X EVM REV C
LAYER 7 - GND

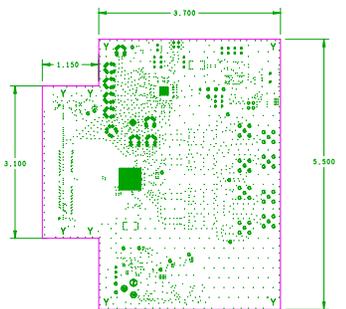


TEXAS INSTRUMENTS
DAC34H8X EVM REV C
(S&K SCREEN BOTTOM DE)

ZONE LTR		REVISIONS	
		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 +/- 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 TATVO (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 5 mil TRACE WIDTH AND 7 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 VIAS UNDER BGA WITH NON CONDUCTIVE MATERIAL.
 - FINISHED BOARDS MUST BE RoHS COMPLIANT AND SURVIVE A LEAD FREE ASSEMBLY, MAXIMUM REFLOW TEMPERATURE OF 260 DEGREE C (6 PASSES).

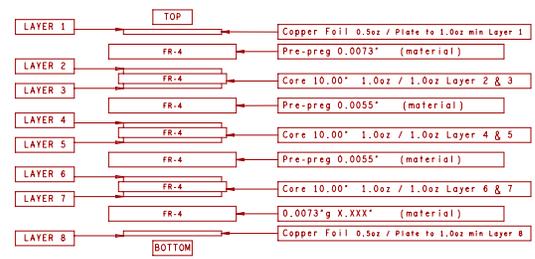
D
C
A



DRILL CHART: TOP to BOTTOM
ALL UNITS ARE IN MILS

FIGURE	SIZE	PLATED	QTY
*	8.0	PLATED	196
-	10.0	PLATED	1710
*	12.0	PLATED	17
*	13.0	PLATED	9
*	15.0	PLATED	72
*	35.0	PLATED	4
*	38.0	PLATED	1
*	38.0	PLATED	28
*	45.0	PLATED	4
*	62.0	PLATED	26
*	67.0	PLATED	32
⊙	120.0	PLATED	2
⊙	140.0	PLATED	1
*	40.0	NON-PLATED	2
*	45.0	NON-PLATED	2
Y	125.0	NON-PLATED	8

DETAIL '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	
MATERIAL	DRAWN L. NGUYEN	07-11-11	DAC34H8X EVM	
SEE NOTE 5	ENGR K. HSIA		SIZE CODE IDENT NO. DRAWING NO. REV.	
FINISH	SEE NOTES 7, 8, 9		B C	
DO NOT SCALE DRAWING			SCALE NONE	SHEET 1 OF 1