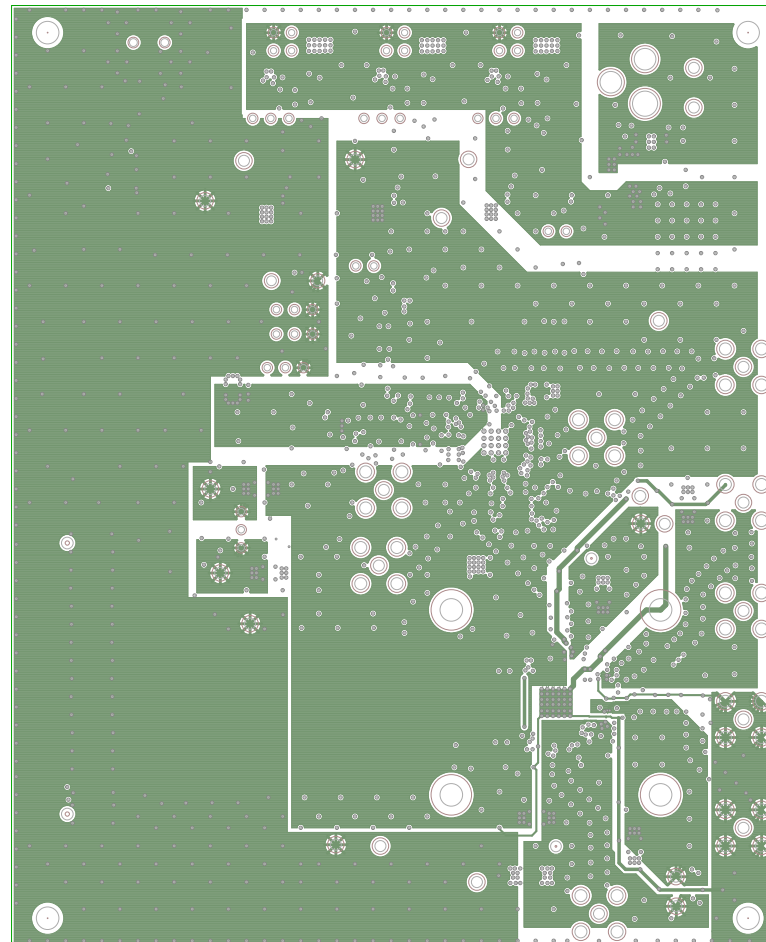
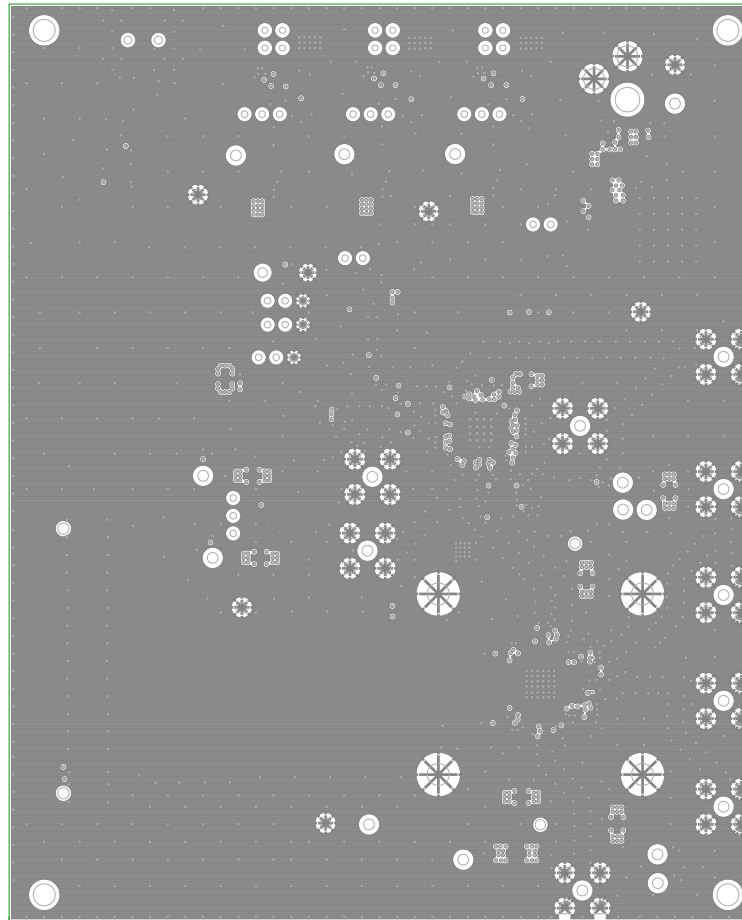


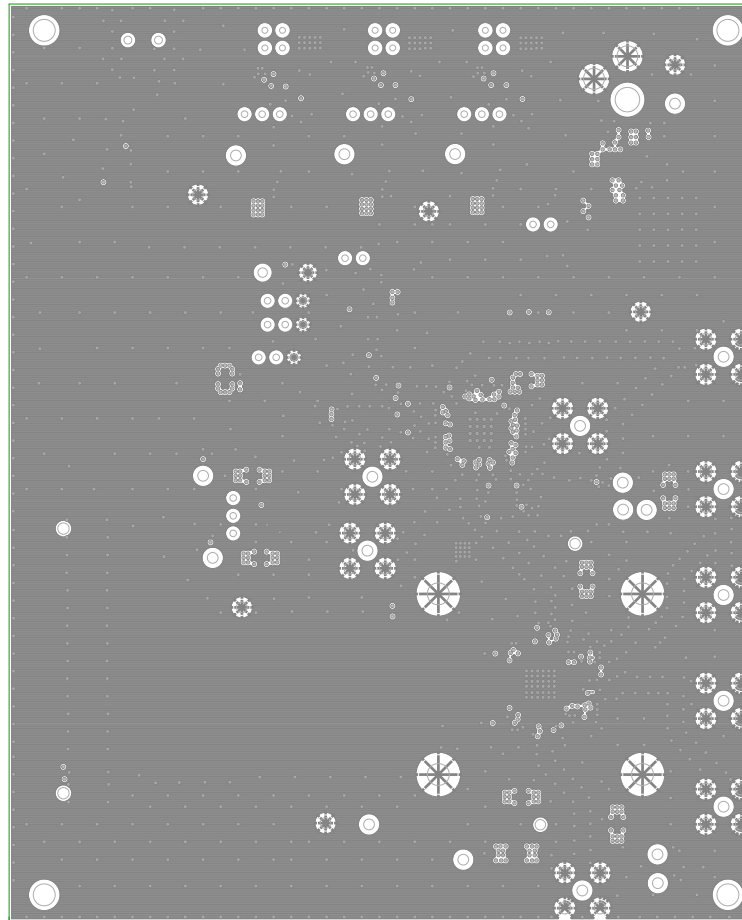
TEXAS INSTRUMENTS
AFE7070 EVM REV C
LAYER 2 - GND



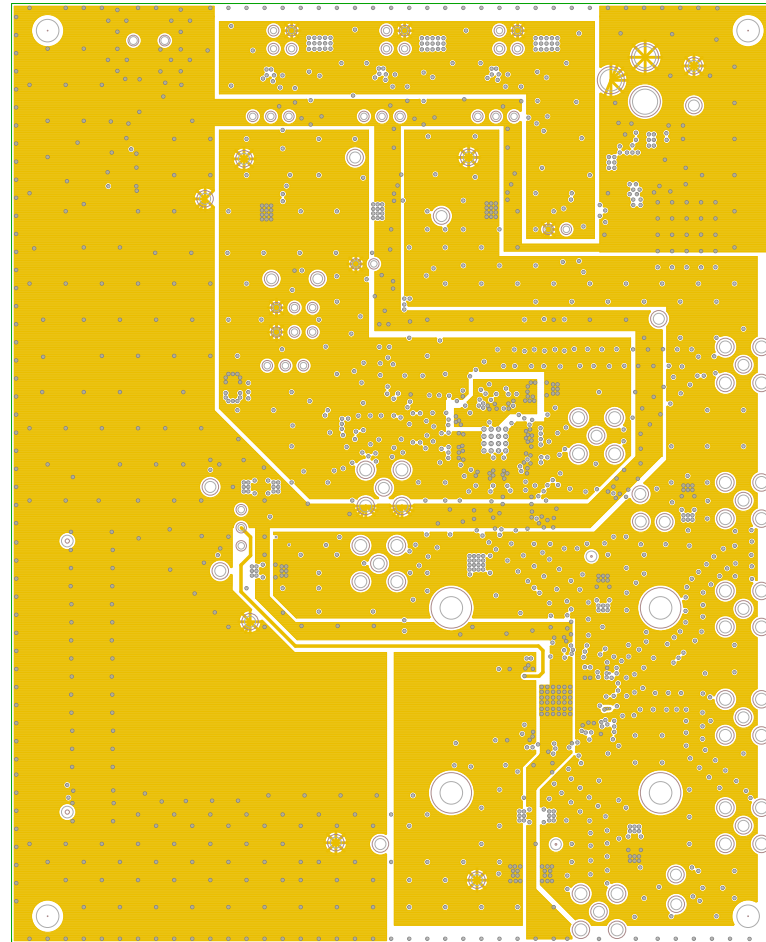
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AFE7070 EVM REV C
LAYER 3 - POWER PLANE



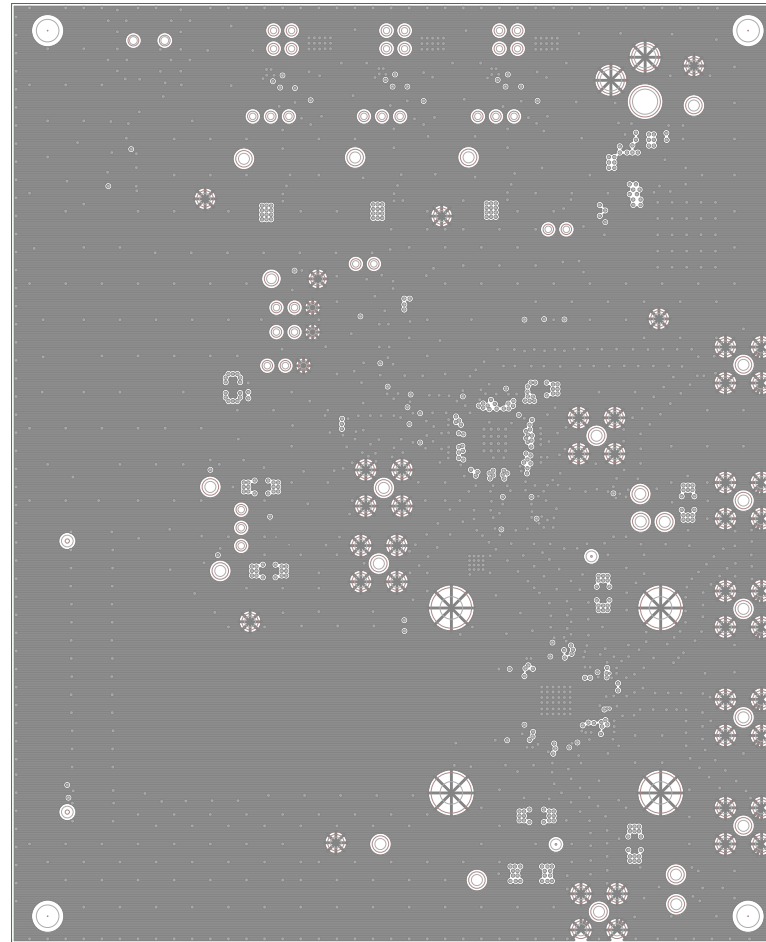
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AFE7070 EVM REV C
LAYER 4 - GND



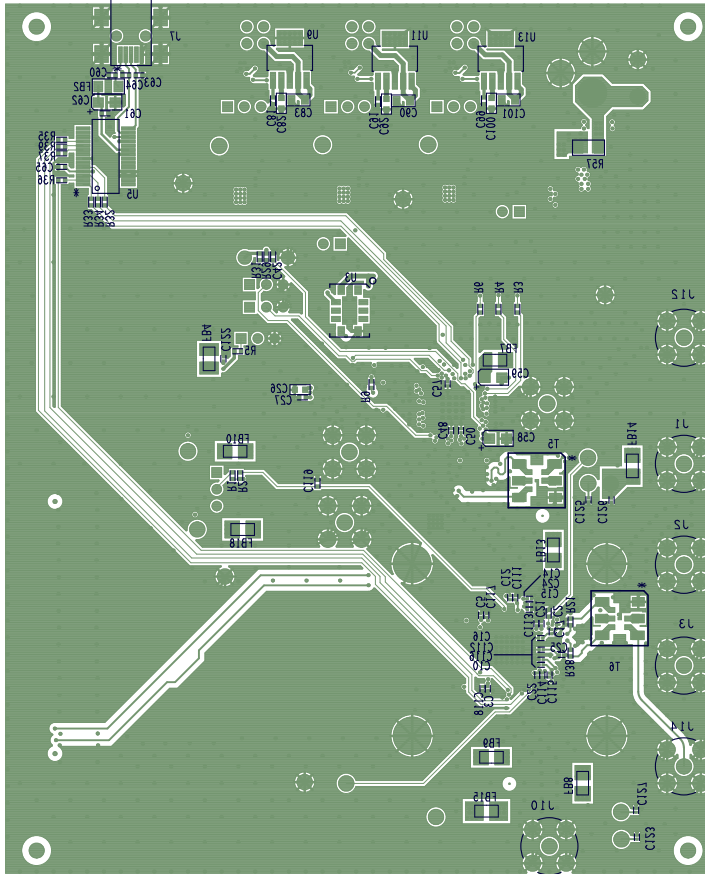
TEXAS INSTRUMENTS
AFE7070 EVM REV C
LAYER 5 - GND



TEXAS INSTRUMENTS
AFE7070 EVM REV C
LAYER 6 - POWER PLANE



TEXAS INSTRUMENTS
AFE7070 EVM REV C
LAYER 7 - GND



TEXAS INSTRUMENTS
AFE7070 EVM REV C
LAYER 8 (BOTTOM SIDE)
SILKSCREEN BOTTOM

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.

13. ALL OUTER LAYERS USING A 12.0 mil TRACE WIDTH SHALL BE 500ohms SINGLE ENDED. +/- 10% TOLERANCE.
ALL OUTER LAYERS USING A 6.0 mil TRACE WIDTH SHALL BE 100ohms SINGLE ENDED. +/- 5% TOLERANCE.
14. 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 6.0 mil TRACE WIDTH AND 5.0 mil SPACING SHALL BE 100 ohms DIFFERENTIAL. +/- 5% TOLERANCE.
15. MINIMUM COPPER CONDUCTOR WIDTH IS: 5MIL.
MINIMUM COPPER SPACING IS: 4.5MIL.
16. SMOBC/IMMERSION GOLD: 3-8 uIN OVER 100-200 uIN NICKEL PLATING.
17. GROUND ETCH ON ALL LAYERS TO BOARD EDGE IS INTENTIONAL. DO NOT PULL BACK.
18. NO CHANGES TO ANY ARTWORK ARE PERMITTED WITHOUT WRITTEN AUTHORIZATION.
19. HOLES SIZE APPLIES AFTER PLATING. TOLERANCE TO BE .003/-.010.
20. FINISHED BOARDS MUST BE RH6 COMPLIANT AND SURVIVE A LEAD FREE ASSEMBLY, MAXIMUM REFLOW TEMPERATURE OF 260 DEGREE C (6 PASSES).

18	.	10.0	PLATED	157
	*	13.0	PLATED	16
	o	35.0	PLATED	12
	*	38.0	PLATED	25
	o	55.0	PLATED	2
	g	62.0	PLATED	28
	g	67.0	PLATED	36
	●	120.0	PLATED	2
	Y	125.0	PLATED	4
	⊕	140.0	PLATED	1
	*	45.0	NON-PLATED	2
	v	60.0	NON-PLATED	2
	P	66.0	NON-PLATED	2
	Y	125.0	NON-PLATED	4



Layer	Material	Thickness
LAYER 1	Copper Foil	0.5oz / Plate to 1.0oz min Layer 1
LAYER 2	FR-4	Pre-preg ~ 0.008" (material)
LAYER 3	FR-4	Core 0.005" 1.0oz / 1.0oz Layer 2 & 3
LAYER 4	FR-4	Pre-preg ~ 0.005" (material)
LAYER 5	FR-4	Core X.XXX" 1.0oz / 1.0oz Layer 4 & 5
LAYER 6	FR-4	Pre-preg ~ 0.005" (material)
LAYER 7	FR-4	Core 0.005" 1.0oz / 1.0oz Layer 6 & 7
LAYER 8	FR-4	Pre-preg ~ 0.008" (material)
	Copper Foil	0.5oz / Plate to 1.0oz min Layer 8

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS ANGLES +/- .XX +/- .01 XXX +/- .005 +/-			CONTRACT NO.		TEXAS INSTRUMENTS INC.		
MATERIAL SEE NOTE 5			APPROVALS		DATE		
			DRAWN L. NGOTEN		09-10-2011		
FINISH SEE NOTES 7, 8, 9			ENGR M. ROBERTSON		FABRICATION DRAWING AFE7070EVM		
DO NOT SCALE DRAWING 3					SIZE CODE IDENT NO. DRAWING NO.		
					REV.		
			SCALE NONE		SHEET 1 OF 1		
			2		1		