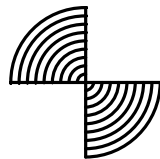
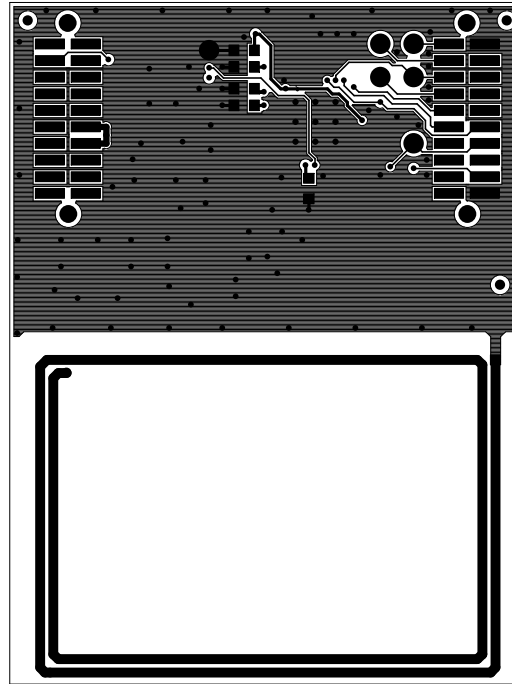
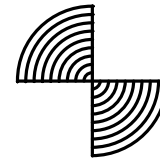
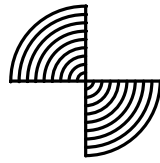
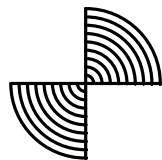
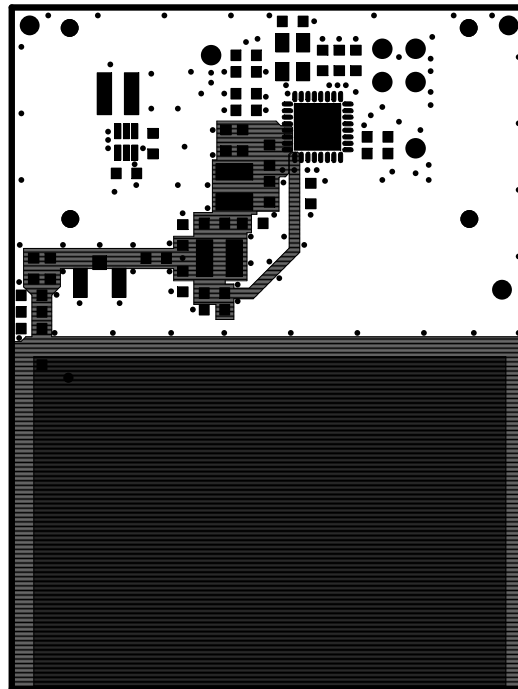
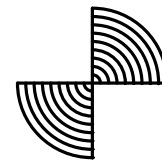
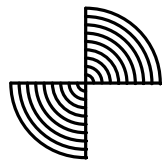


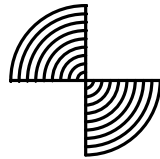
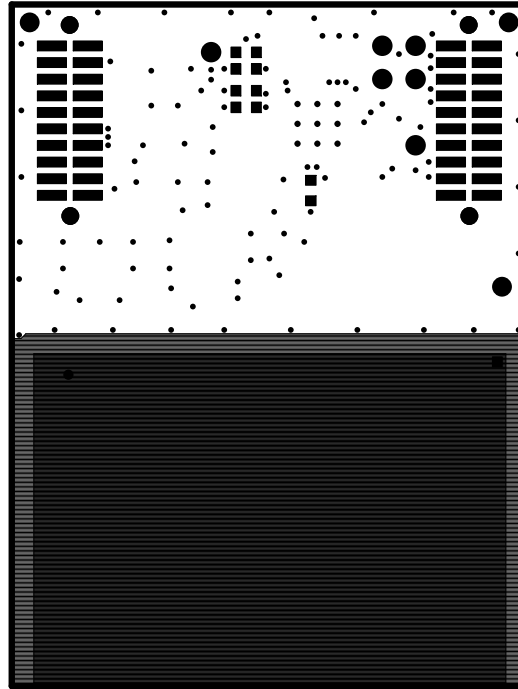
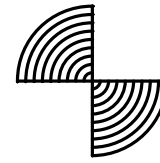
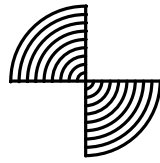
CUSTOMER NAME:						TEXAS INSTRUMENTS											
BOARD NAME:			TRF7970ATB			DESCRIPTION:						LAYER 1 - PRIMARY SIDE					
TI TICKET NO:			REV:	DATE:		PROJECT#:			SH:		OF:						
			D	02/06/2013		RFID			1		8						



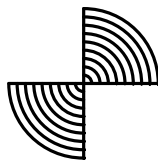
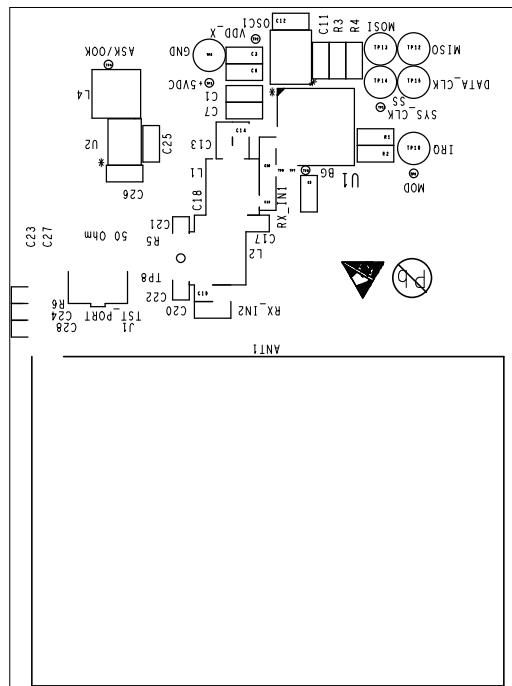
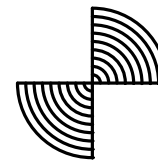
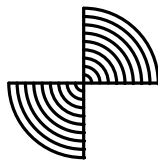
CUSTOMER NAME:						TEXAS INSTRUMENTS					
BOARD NAME:				DESCRIPTION:							
TRF7970ATB				LAYER 2 - SECONDARY SIDE							
TI TICKET NO:		REV:	DATE:		PROJECT#:		SH:	OF:			
		D	02/06/2013		RFID		2	8			



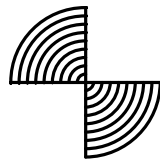
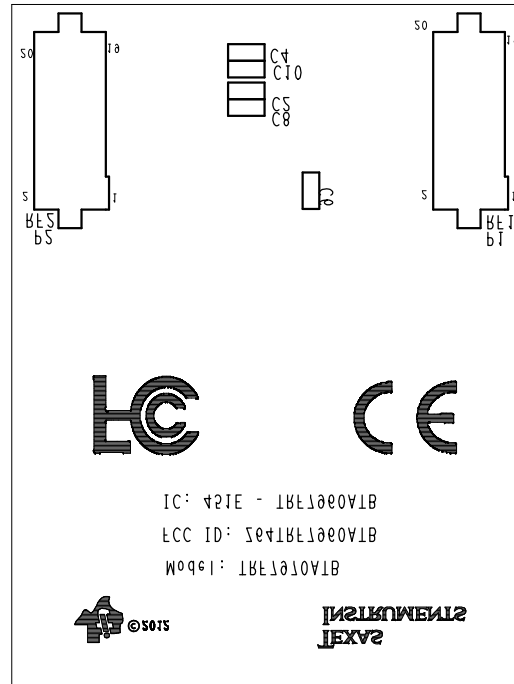
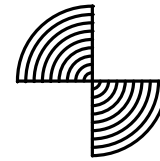
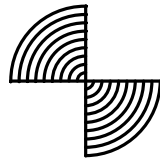
CUSTOMER NAME:						TEXAS INSTRUMENTS					
BOARD NAME:				DESCRIPTION:							
TRF7970ATB				SOLDERMASK - PRIMARY SIDE							
TI TICKET NO:			REV:	DATE:		PROJECT#:		SH:	OF:		
			D	02/06/2013		RFID		3	8		



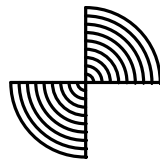
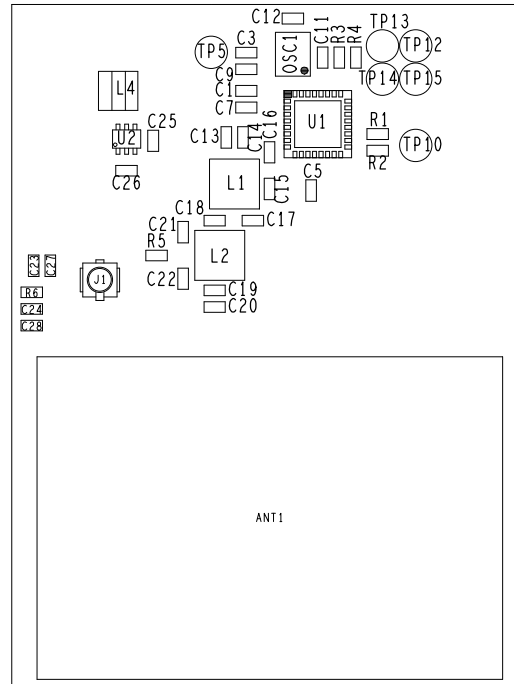
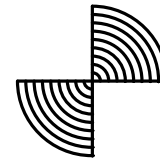
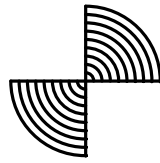
CUSTOMER NAME:						TEXAS INSTRUMENTS					
BOARD NAME:				DESCRIPTION:							
TRF7970ATB				SOLDERMASK - SECONDARY SIDE							
TI TICKET NO:			REV:	DATE:		PROJECT#:			SH:	OF:	
			D	02/06/2013		RFID			4	8	



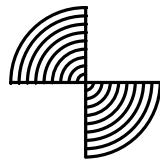
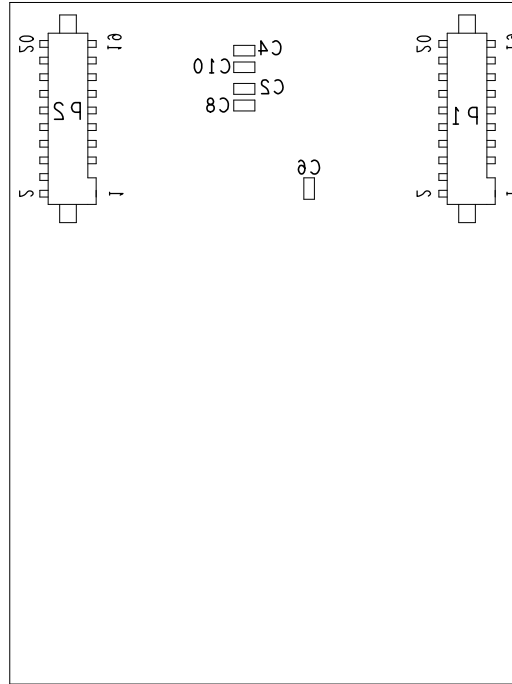
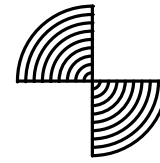
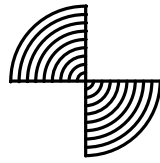
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BOARD NAME:			TRF7970ATB		DESCRIPTION:					SILKSCREEN - PRIMARY SIDE				
TI TICKET NO:		REV:	DATE:		PROJECT#:			SH:		OF:				
		D	02/06/2013		RFID			5		8				



CUSTOMER NAME:						TEXAS INSTRUMENTS					
BOARD NAME:				DESCRIPTION:							
TRF7970ATB				SILKSCREEN - SECONDARY SIDE							
TI TICKET NO:		REV:	DATE:	PROJECT#:		SH:	OF:				
		D	02/06/2013	RFID		6	8				



CUSTOMER NAME:						TEXAS INSTRUMENTS					
BOARD NAME:				DESCRIPTION:							
TRF7970ATB				ASSEMBLY - PRIMARY SIDE							
TI TICKET NO:			REV:	DATE:	PROJECT#:			SH:	OF:		
			D	02/06/2013	RFID			1	2		



CUSTOMER NAME:						TEXAS INSTRUMENTS					
BOARD NAME:				DESCRIPTION:							
TRF7970ATB				ASSEMBLY - SECONDARY SIDE							
TI TICKET NO:			REV:	DATE:	PROJECT#:			SH:	OF:		
			D	02/06/2013	RFID			2	2		

FAB NOTES:

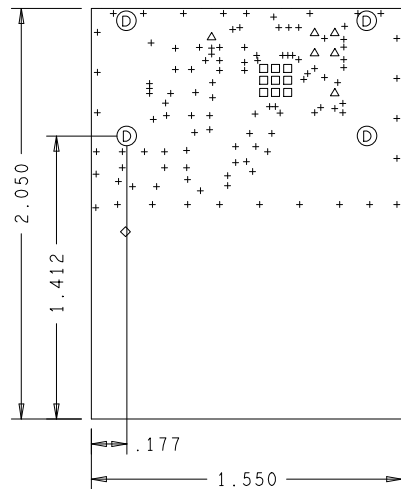
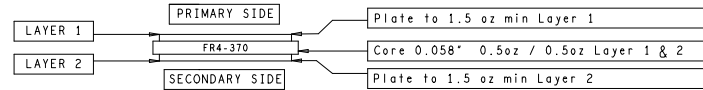
1. ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE NOTED.
2. THE PWB SHALL BE FABRICATED TO IPC-6012, CLASS 2 AND WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2. CURRENT REVISIONS.
3. BOARD MATERIAL SHALL BE 180 Tg / 340 Td ISOLA FR-370HR OR EQUIVALENT, RoSH COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. RoSH CERTIFICATE OF CONFORMANCE SHALL BE DELIVERED WITH EACH LOT.
4. BOARD MATERIAL & CONSTRUCTION TO BE U.L. APPROVED AND MARKED ON THE FINISHED BOARD.
5. OVERALL BOARD THICKNESS TO BE .062 +/- .005". AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
6. MAX. WARP & TWIST TO BE .0075 PER INCH.
7. BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.
8. 30 MIL TRACES ON LAYER 1 ARE 50 OHMS +/- 10%. THEY ARE REFERENCE TO LAYER 1 GROUND WITH SOLDERMASK CLEAR AWAY.

PROCESS NOTES:

1. APPLY LPI SOLDERMASK OVER BARE COPPER (SMOBC), COLOR: GREEN. SOLDERMASK SHALL CONFORM TO IPC-SM-840, CLASS H. CURRENT REV.
2. PLATE ALL EXPOSED AREAS WITH ELECTROLESS NICKEL IMMERSION GOLD. NICKEL: 100 MICRO-INCHES MIN. GOLD: 2-8 MICROINCHES MIN.
3. SOLDERMASK ARTWORK HAS ZERO (0) OVERSIZED PADS. FABRICATION VENDOR IS ALLOWED TO ADJUST THE COMPONENT SOLDERMASK PADS TO MEET THEIR TOOLING REQUIREMENTS.
4. APPLY NON-CONDUCTIVE LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE.
5. BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.

LAYER STACK UP:

LAYER 1 - PRIMARY SIDE
LAYER 2 - SECONDARY SIDE

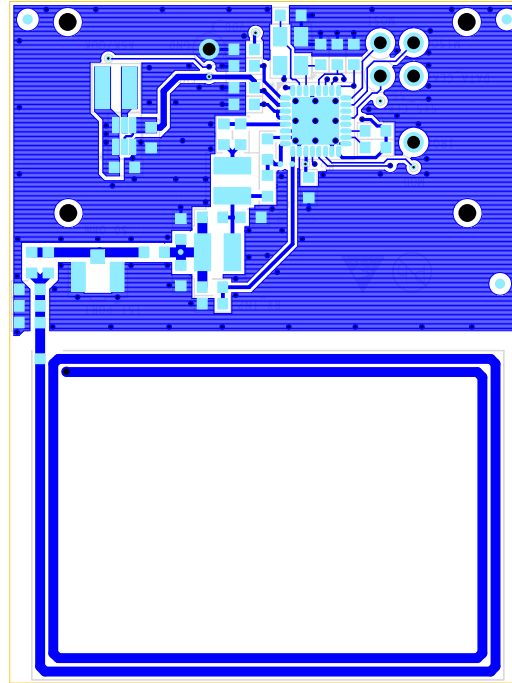


VIEWED FROM PRIMARY SIDE

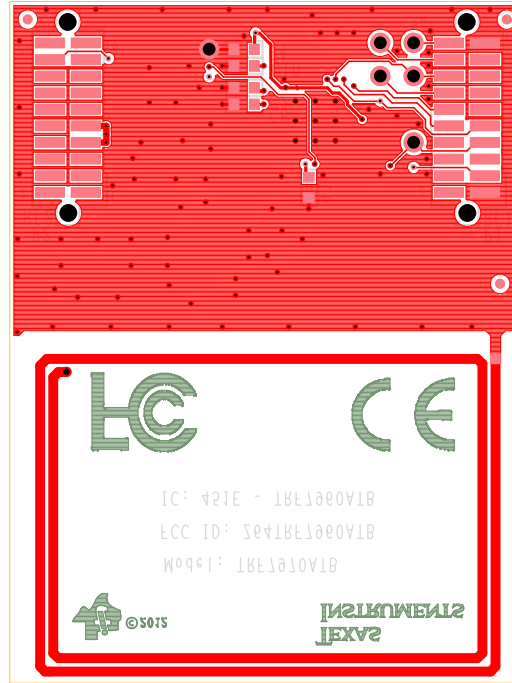
DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
+	8.0	+3.0/-3.0	PLATED	109
□	12.0	+3.0/-3.0	PLATED	9
◇	20.0	+3.0/-3.0	PLATED	1
△	38.0	+3.0/-3.0	PLATED	6
⊙	53.0	+2.0/-2.0	NON-PLATED	4

CUSTOMER NAME: TEXAS INSTRUMENTS					
BOARD NAME: TRF7970ATB			DESCRIPTION: FABRICATION DRAWING		
TI TICKET NO:	REV: D	DATE: 02/06/2013	PROJECT#: RFID	SH: 1	OF: 1



CUSTOMER NAME:						TEXAS INSTRUMENTS					
BOARD NAME:				DESCRIPTION:							
TRF7970ATB				BAYERGREENPRIMARYASIDEIDE							
TI TICKET NO:			REV:	DATE:	PROJECT#:			SH:	OF:		
			D	02/06/2013	RFID			1	8		



CUSTOMER NAME:						TEXAS INSTRUMENTS					
BOARD NAME:				DESCRIPTION:							
TRF7970ATB				BAYERC2EENSECONDARYASIDEIDE							
TI TICKET NO:		REV:	DATE:	PROJECT#:		SH:	OF:				
		D	02/06/2013	RFID		2	8				