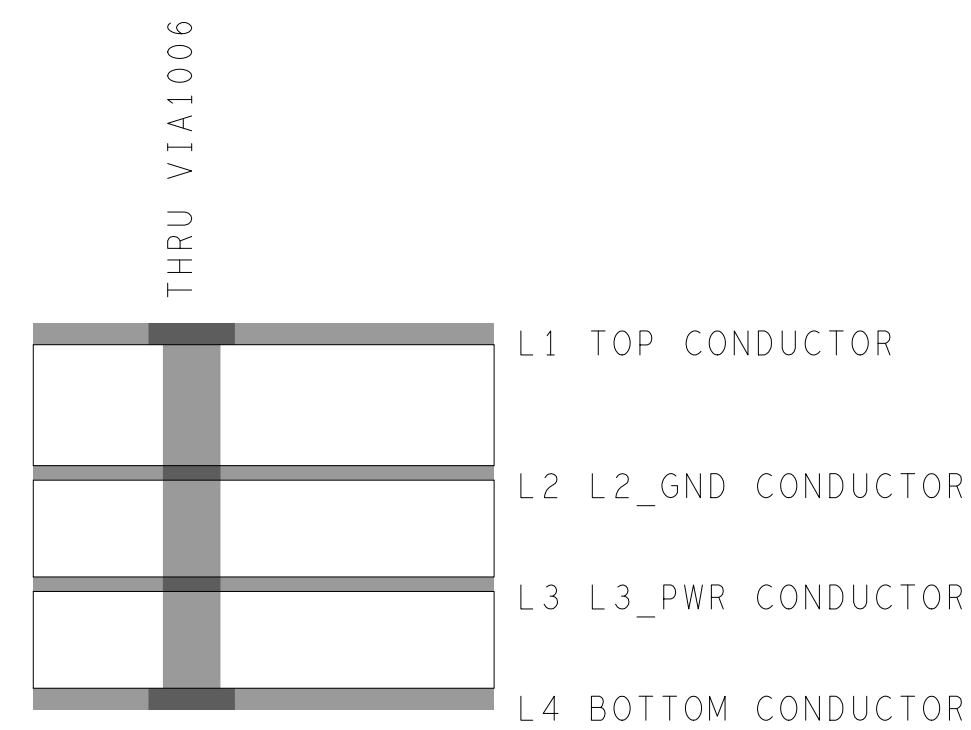
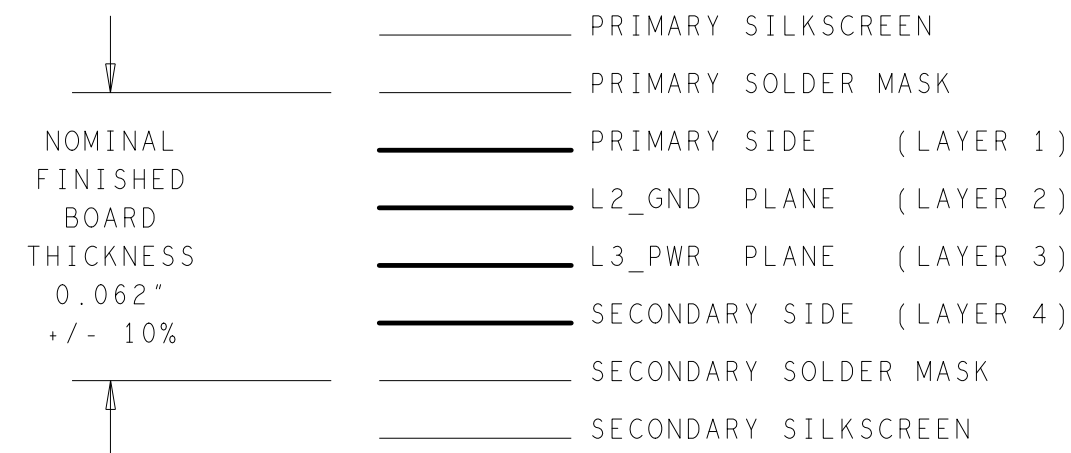
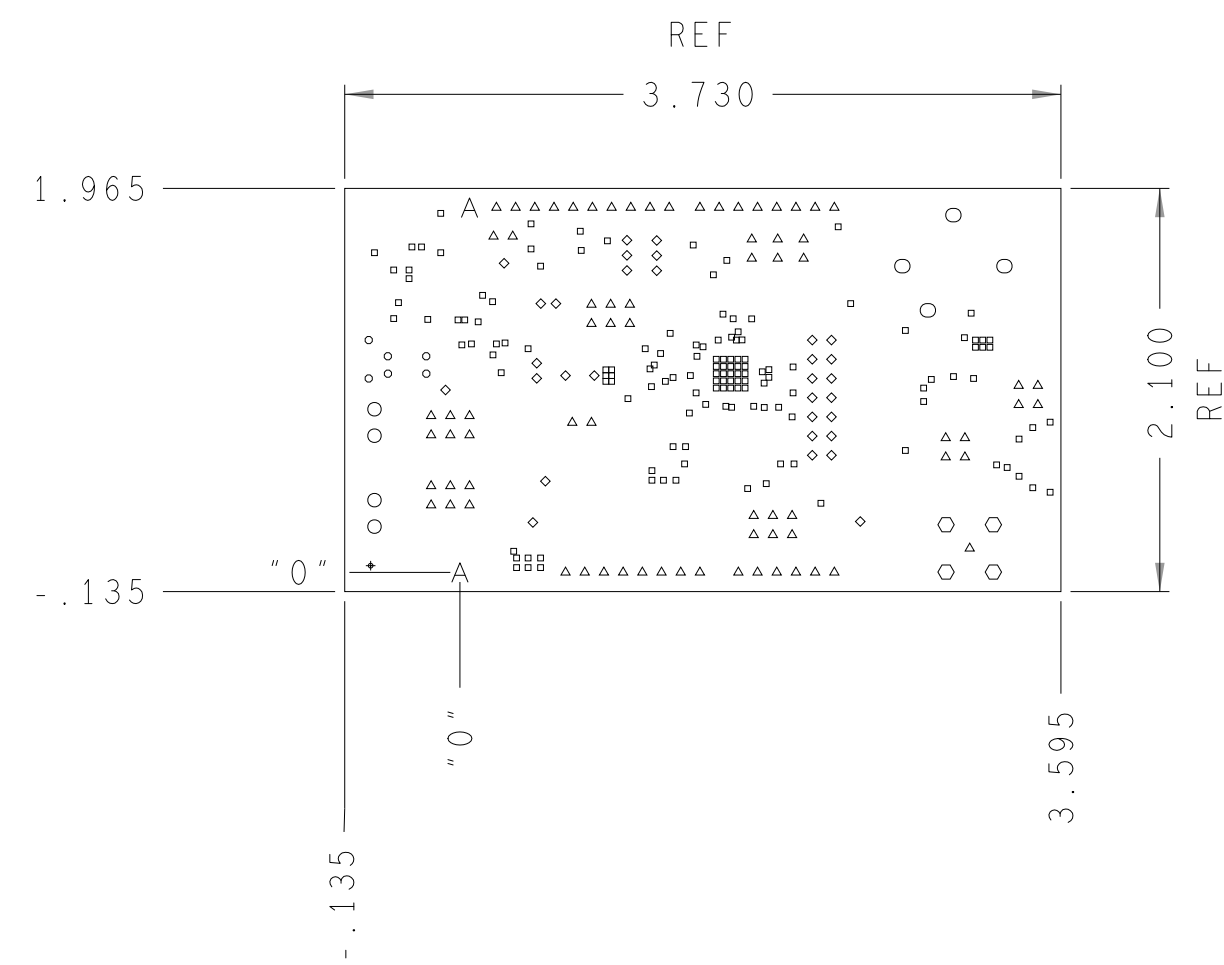


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	14SEP18	MLAMBE

4 LAYER STACKUP



DESIGN CROSS SECTION CHART
TOTAL THICKNESS 62 MIL



HOLE TOLERANCE

UNLESS SPECIFIED
PLATED: +/- 3 MILS
NON PLATED: +/- 2 MILS


FINISHED HOLES IN MILS				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	PLATED	QTY	TOLERANCE/NOTES
•	8.0	PLATED	143	DIA MAX
◦	35.0	PLATED	6	DIA MAX
◊	40.0	PLATED	31	
△	45.0	PLATED	75	
○	50.0	PLATED	4	
○	65.0	PLATED	4	
○	100.0	PLATED	4	
A	125.0	NON-PLATED	2	

SEE NOTE 15
SEE NOTE 15

REQUIREMENTS:

1. REFER TO IPC-6010 SERIES (LATEST REV.), CLASS 2 FOR FABRICATION UNLESS OTHERWISE SPECIFIED.
2. ACCEPTABILITY PER ANALOG DEVICES, INC. SPECIFICATION TST00115, (LATEST REVISION.)
3. MODIFICATIONS TO THE ARTWORK ARE NOT ALLOWED WITHOUT WRITTEN AUTHORIZATION.
4. HOLE PATTERN TOLERANCES FOR UNDIMENSIONED HOLES SHALL BE A DIAMETER OF 0.005 INCHES FROM THEIR TRUE POSITION.
5. PLATED HOLE WALL THICKNESS SHALL NOT BE LESS THAN 0.001 INCH MINIMUM AVERAGE, WITH NO READING LESS THAN .0008 BY CROSS SECTION.
6. HOLE DIAMETERS APPLY AFTER PLATING.
7. FINISHED CONDUCTOR WIDTHS SHALL NOT BE REDUCED FROM THE NOMINAL INDICATED ON THE MASTER PATTERN, BY MORE THAN THE CONDUCTOR THICKNESS.
8. MINIMUM DESIGN LINE WIDTH IS .008 INCH.
9. MINIMUM DESIGN SPACING IS .005 INCH.
10. ~~NON FUNCTIONAL PAD REMOVAL FROM INNER SIGNAL LAYERS MAY BE PERFORMED AFTER CUSTOMER APPROVAL.~~
11. IF PAD SIZES PROVIDED ARE NOT LARGE ENOUGH TO MAINTAIN ANNULAR RING REQUIREMENT, MFR. MAY REQUEST APPROVAL TO TEAR DROP PADS TO MAINTAIN ANNULAR RING. (AT PAD TO TRACE INTERSECTION ONLY AND ELECTRICAL INTEGRITY MUST BE MAINTAINED.)
12. THIEVING MAY BE ADDED TO COMPENSATE FOR LOW COPPER DENSITY AREAS ON THIS DESIGN ONLY AFTER REVIEW AND APPROVAL FROM THE CUSTOMER;
 - A. THIEVING TO CARD EDGE, FIDUCIALS, NON-PLATED THROUGH HOLES, ALL OTHER FEATURES TO BE 0.200 INCH MINIMUM.
 - B. THERE SHALL BE NO THIEVING IN ANY AREAS FREE OF SOLDER MASK OR INTERNAL COPPER PLANES.
13. MFR. TO LEGIBLY ETCH OR STAMP/SCREEN WITH PERMANENT NON-CONDUCTIVE INK ON SECONDARY SIDE IN A CLEAR AREA UNLESS OTHERWISE INDICATED;
 - A. U.L. CODE-FLAMMABILITY RATING
 - B. DATE CODE (STAMP).
 - C. LOT NUMBER
 - D. MFR LOGO
 - E. SUCCESSFUL ELECTRICAL TEST.
14. REPAIRS PER IPC-7711/21 (LATEST REV.) ARE ALLOWED.
15. FILL ALL VIA-IN-PAD WITH NON-CONDUCTIVE EPOXY PRIOR TO OVERPLATING AND GRIND FLUSH.

PRIMARY SIDE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVAL		DATE		 <div> <div>ANALOG DEVICES</div> <div> <div>WWW DIVISION</div> <div>804 WOBURN STREET WILMINGTON, MA 01887</div> </div> </div>	
<div> <div>DECIMALS</div> <div>FRACTIONS</div> <div>ANGLES</div> </div> <div> <div>XXX --.010 +-1/32 -- 2</div> <div>XXX --.005</div> <div>XXX --.000</div> </div>		<div> <div>TEMPLATE ENGINEER M STALLA</div> <div>13SEP18</div> </div> <div> <div>HARDWARE SERVICES M JOSE</div> <div>13SEP18</div> </div> <div> <div>HARDWARE SYSTEMS N/A</div> <div>N/A</div> </div>		TITLE		FABRICATION EVAL -AD5941ELCZ	
MATERIAL		<div> <div>TEST ENGINEER N/A</div> <div>13SEP18</div> </div> <div> <div>COMPONENT ENGINEER A AGENA</div> <div>13SEP18</div> </div> <div> <div>TEST PROCESS N/A</div> <div>N/A</div> </div> <div> <div>HARDWARE RELEASE K JABATAN</div> <div>13SEP18</div> </div>		SIZE		FSCM NO	
FINISH		<div> <div>DESIGNER M VALE</div> <div>13SEP18</div> </div> <div> <div>PTD ENGINEER M LAMDE</div> <div>14SEP18</div> </div> <div> <div>CHECKER N/A</div> <div>N/A</div> </div>		DRAWING NUMBER		REV	
DO NOT SCALE DWG				D 24355 09-057011		A	
		SCALE		1/1		SHEET 1 OF 1	