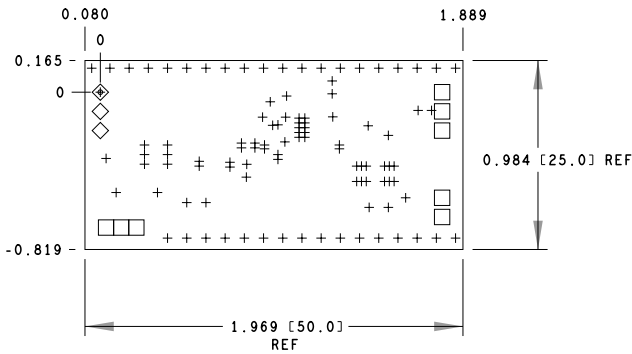


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11DEC19	J.VIERNES


HOLE TOLERANCE
UNLESS SPECIFIED
PLATED: +/- 3 MILS



FINISHED HOLES IN MILS				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	PLATED	QTY	TOLERANCE/NOTES
+	10.0	PLATED	102	SEE FAB NOTES 15
□	40.0	PLATED	8	
◇	45.0	PLATED	3	

DIA MAX

PRIMARY SIDE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			APPROVAL		DATE		<div><div></div><div>ANALOG DEVICES</div></div> <div>WWM DIVISION 804 WOBURN STREET WILMINGTON, MA 01887</div> <div>TITLE FABRICATION SCP-LTC3114-1 EVALZ</div>							
TOLERANCES			TEMPLATE ENGINEER N/A		N/A									
DECIMALS FRACTIONS ANGLES .XX -.010 --1/32 -- 2 .XXX -.005 .XXXX -.0050			HARDWARE SERVICES N/A		N/A									
			HARDWARE SYSTEMS N/A		N/A									
MATERIAL			TEST ENGINEER N/A		N/A									
			COMPONENT ENGINEER A.CAUILAN		05DEC18									
			TEST PROCESS N/A		N/A									
			HARDWARE RELEASE K.JABATAN		05DEC18									
FINISH			DESIGNER L.EVANGELIO		04DEC19		SIZE C		FSCM NO 24355		DRAWING NUMBER 09-059797		REV A	
			PTD ENGINEER J.VIERNES		11DEC19									
						CHECKER N/A		N/A						
			DO NOT SCALE DWG							SCALE 1/1		SHEET 1 OF 2		

EVALUATION BOARD

4

3

2

1

D

D

C

C

B

B

A

A

SPECIFICATIONS:

ROHS COMPLIANCE NOTE: (Required for Customer Boards) Add to top of MATERIALS

HOMOGENOUS MATERIALS IN THIS BOARD SHALL BE COMPLIANT

THE EU RoHS DIRECTIVE 2002/95/EC

MATERIALS: ALL LAMINATES AND BONDING MATERIALS SHOULD BE SELECTED FROM

IPC-4101 OR IPC-4103, MINIMUM Tg>170degC, Td>300degC,

U.L. RATING OF 94 V-0

MATERIAL FAMILY: ISOLA 370HR

CLADDING: EXTERNAL LAYERS 2 OZ. COPPER AFTER PLATING.

INTERNAL LAYERS 1 OZ. COPPER.

NOTE: IF THE LAYER STACKUP CONFLICTS WITH THE ABOVE

CLADDING SPECIFICATIONS THEN THE LAYER STACKUP SHALL

TAKE PRECEDENCE.

SOLDER MASK: SHALL BE LIQUID PHOTOIMAGEABLE (LPI) APPLIED ON BOTH SIDES

OVER BARE COPPER OR GOLD AND SHALL MEET IPC-SM-840

(LATEST REV.) CLASS 3. COLOR GREEN.

SILK SCREEN: SHALL BE PERMANENT NON-CONDUCTIVE EPOXY INK, COLOR: WHITE

SYNTHETIC INKJET PRINTING ALLOWED FOR DENSE BOARDS,

COLOR: WHITE

SURFACE FINISH: ENIG (Electroless Nickel/Immersion Gold)

PER IPC-4552 LATEST REVISION

INTENTIONAL SHORTS: IF SUPPLIED DATA INCLUDES A FILE "READ_ME.2", THEN

INTENTIONAL NET SHORTS EXIST. CUSTOMER REVIEW AND APPROVAL

IS REQUIRED IF SUPPLIED DATA REPORTS ANY CONDITION THAT

DOES NOT MATCH "READ_ME.2" FILE PROVIDED.

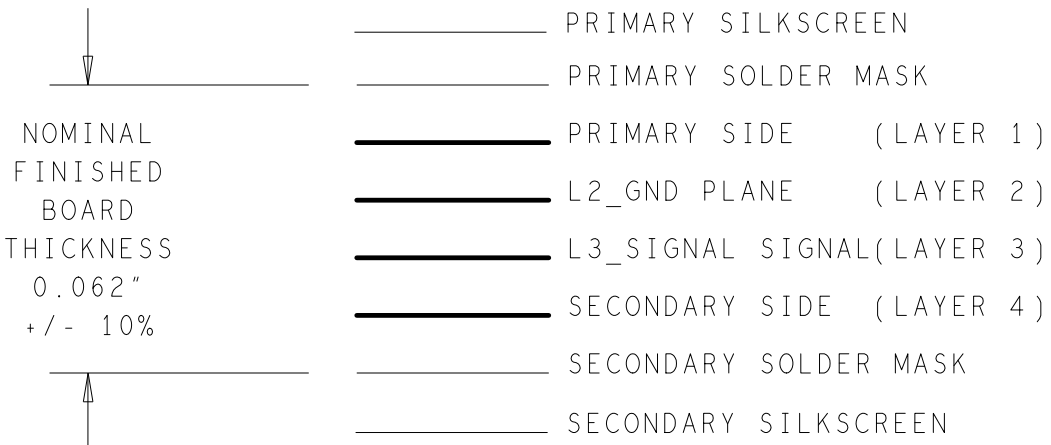
TEST REQUIREMENTS: 100% NETLIST ELECTRICAL VERIFICATION USING CUSTOMER

SUPPLIED IPC-D-356 NETLIST FOR OPENS AND SHORTS WHEN

"GERBER DATA" IS PROVIDED. THIS VERIFICATION ALSO

REQUIRED FOR "ODB++" DATA PER EMBEDDED NETLIST.

4 LAYER STACKUP

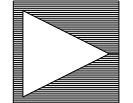


REQUIREMENTS:

- REFER TO IPC-6010 SERIES (LATEST REV.), CLASS 2 FOR FABRICATION UNLESS OTHERWISE SPECIFIED.
- ACCEPTABILITY PER ANALOG DEVICES, INC. SPECIFICATION TST00115, (LATEST REVISION.)
- MODIFICATIONS TO THE ARTWORK ARE NOT ALLOWED WITHOUT WRITTEN AUTHORIZATION.
- HOLE PATTERN TOLERANCES FOR UNDIMENSIONED HOLES SHALL BE A DIAMETER OF 0.005 INCHES FROM THEIR TRUE POSITION.
- PLATED HOLE WALL THICKNESS SHALL NOT BE LESS THAN 0.001 INCH MINIMUM AVERAGE, WITH NO READING LESS THAN .0008 BY CROSS SECTION.
- HOLE DIAMETERS APPLY AFTER PLATING.
- FINISHED CONDUCTOR WIDTHS SHALL NOT BE REDUCED FROM THE NOMINAL INDICATED ON THE MASTER PATTERN, BY MORE THAN THE CONDUCTOR THICKNESS.
- MINIMUM DESIGN LINE WIDTH IS .010 INCH.
- MINIMUM DESIGN SPACING IS .0077 INCH.
- NON-FUNCTIONAL PAD REMOVAL FROM INNER SIGNAL LAYERS MAY BE PERFORMED AFTER CUSTOMER APPROVAL.
- IF PAD SIZES PROVIDED ARE NOT LARGE ENOUGH TO MAINTAIN ANNULAR RING REQUIREMENT, MFGR. MAY REQUEST APPROVAL TO TEAR DROP PADS TO MAINTAIN ANNULAR RING. (AT PAD TO TRACE INTERSECTION ONLY AND ELECTRICAL INTEGRITY MUST BE MAINTAINED.)
- THIEVING MAY BE ADDED TO COMPENSATE FOR LOW COPPER DENSITY AREAS ON THIS DESIGN ONLY AFTER REVIEW AND APPROVAL FROM THE CUSTOMER:
 - THIEVING TO CARD EDGE, FIDUCIALS, NON-PLATED THROUGH HOLES, ALL OTHER FEATURES TO BE 0.200 INCH MINIMUM.
 - THERE SHALL BE NO THIEVING IN ANY AREAS FREE OF SOLDER MASK OR INTERNAL COPPER PLANES.
- MFGR. TO LEGIBLY ETCH OR STAMP/SCREEN WITH PERMANENT NON-CONDUCTIVE INK ON SECONDARY SIDE IN A CLEAR AREA UNLESS OTHERWISE INDICATED;
 - U.L. CODE-FLAMMABILITY RATING
 - DATE CODE (STAMP).
 - LOT NUMBER
 - MFGR LOGO
 - SUCCESSFUL ELECTRICAL TEST.
- REPAIRS PER IPC-7711/21 (LATEST REV.) ARE ALLOWED. REPAIRS ARE NOT ALLOWED IN ANY AREA DEFINED ON GOLD_PRM AND/OR GOLD_SEC ARTWORK LAYERS WHEN PROVIDED IN GERBER OR ODB++ DATA.
- THRU VIAS TO BE FILLED WITH SOLDERMASK.

EVALUATION BOARD

PRIMARY SIDE

 ANALOG DEVICES		WWM DIVISION 804 WOBURN STREET WILMINGTON, MA 01887	
SIZE	FSCM NO	DRAWING NUMBER	REV
C	24355	09-059797	A
SCALE	1/1	SHEET 2 OF 2	