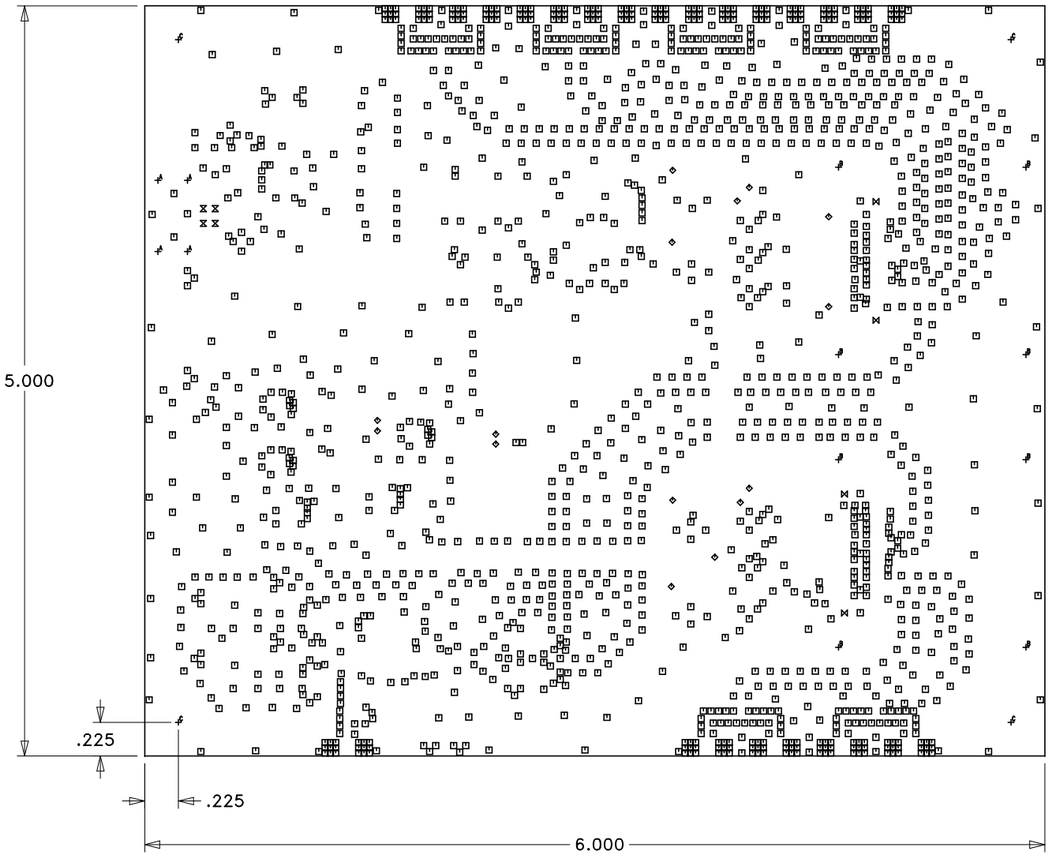
REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	7/30/14	V. LY
	2	SCHEMATIC UPDATES	3/26/15	G. HARRINGTON



ANALOG DEVICES
600-01205-00-2
DRILL DRAWING

NOTES:

MATERIALS AND TOLERANCES:

1. MATERIAL: MULTILAYER, TYPE NELCO N4000-13 SI, OVERALL STACKUP AS SHOWN.
2. FINISH: ENIG PER IPC-4552.
3. SOLDERMASK: LPI SOLDERMASK BOTH SIDES. COLOR: GREEN REGISTRATION: ±.004 MAX.
4. SILKSCREEN TOP SIDE WITH WHITE NON-CONDUCTIVE INK.
   ENSURE SILKSCREEN DOES NOT COVER COMPONENT PADS - CLIP SILKSCREEN IF NECESSARY.
5. MANUFACTURE PER IPC-6012 CLASS 2.
6. ALL HOLES TO BE LOCATED WITHIN ±.003 OF CENTER OF PAD OR OTHER TRUE POSITION.
7. COPPER PLATE ALL HOLES MINIMUM .001" COPPER WALL THICKNESS.
8. "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
9. WARPAGE: <.008 PER LINEAR INCH.
10. FRONT TO BACK REGISTRATION: ±.003 MAX.
11. CRITICAL OVERALL THICKNESS AS SHOWN IN STACKUP (METAL TO METAL).

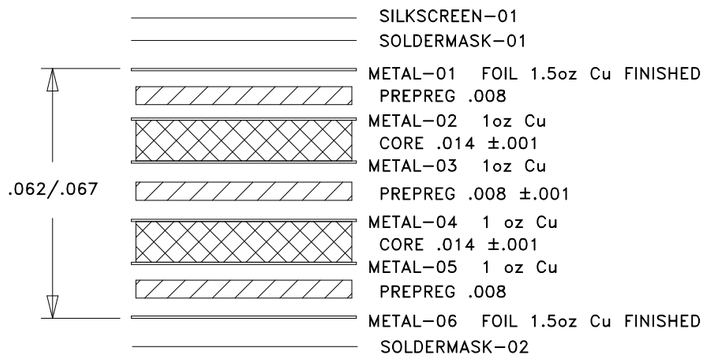
SPECIAL REQUIREMENTS:

12. METAL-01 AND METAL-05: DIFFERENTIAL IMPEDANCE OF 100 OHMS ±10% ON DUAL 9 MIL TRACES WITH 6 MIL SPACING.
    VENDOR TO VERIFY IMPEDANCE REQUIREMENTS.

VENDOR NOTES:

13. VENDOR TO COMPARE IPC NET LIST TO GERBER FILES FOR CONTINUITY.
    ANY DISCREPANCIES MUST BE REPORTED TO HITTITE MICROWAVE.
14. VENDOR MAY ADD E-TEST STAMP TO PCB. VENDOR SHALL NOT ADD NAME, LOGO, DATE CODE, UL LISTING
    OR ANY OTHER MARKING TO ANY VISIBLE LAYER.
15. ANY CHANGES TO METAL LAYERS OR STACKUP MUST BE APPROVED BY HITTITE MICROWAVE.
    THIS INCLUDES CHANGES MADE FOR IMPEDANCE ADJUSTMENTS.
16. BOARDS MUST PASS VISUAL INSPECTION PER IPC-A-600 CLASS 2.
17. FINISHED BOARDS ARE TO BE BARE BOARD TESTED.
18. ALL MATERIAL USED ON THIS BUILD TO BE RoHS COMPLIANT, UL94V-0 LISTED AND
    COMPATIBLE WITH LEAD FREE ASSEMBLY PROCESSING. C OF C TO BE SUPPLIED WITH EACH SHIPMENT.

LAYER	DESCRIPTION
1	TOP DIFF PAIRS/SIGNALS
2	GND PLANE
3	PWR1/GND PLANE
4	PWR2/GND PLANE
5	DIFF PAIRS/SIGNALS
6	BOTTOM GND PLANE



STACKUP

SIZE	QTY	SYM	PLATED	TOL
14	1619	☐	YES	+/-3
25	15	◇	YES	+/-3
37	4	⧖	YES	+/-3
40	4	⋈	NO	+/-3
91	4	⊣A	YES	+/-3
102	8	⊣B	YES	+/-2
172	4	⊣C	YES	+/-3

NEXT ASSY	USED ON

PROPRIETARY TO ANALOG DEVICES

UNLESS OTHERWISE SPECIFIED:	DRAWN BY: V. LY	DATE DRN: 07/07/14
DIMENSIONS ARE IN INCHES [mm]	CHECKED BY:	
DRAWING PRACTICES PER ASME Y14.100	ENGINEER: M. D'AMATO	
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009		
TOLERANCES: .XX ± .01, .XXX ± .005, .XXXX ± .0020, ANGLES ± .5 DEG.	THIRD ANGLE PROJECTION	
	DO NOT SCALE DRAWING	

ANALOG DEVICES
2 Elizabeth Drive
Chelmsford, MA 01824
978-250-3343
Fax: 978-250-3373

TITLE

PCB, MOTHERBOARD

SIZE	CODE ID NO.	DWG NO.	REV
B	1CN88	600-01205-00	2
SCALE: 1:1	WT:	SHEET: 1 OF 1	