

REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	10/15/13	V. VADUVA

NOTES:
UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ROGERS 4350B, HALF OUNCE COPPER BOTH SIDES. FR4 TO BE USED AS FILLER TO MEET CRITICAL OVERALL THICKNESS.
2. FINISH: GOLD PLATE PER ASTM B-488, TYPE III, CODE A, 8 TO 40 MICROINCHES, OVER NICKEL PER QQ-N-290, 100 MICROINCHES MINIMUM.
3. PLATED THRU HOLES: .001 MINIMUM WALL THICKNESS.
4. HOLE SIZES AND POSITIONS PER ARTWORK AND/OR DRILL FILE.
5. ALL HOLES TO BE LOCATED WITHIN ± 0.003 OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
6. FRONT TO BACK REGISTRATION ± 0.003 MAX.
7. BOARD WARPAGE: < 0.010 PER LINEAR INCH.
8. SILKSCREEN TOP SIDE AND BOTTOM SIDE WITH WHITE EPOXY INK.
9. SOLDERMASK: LPI SOLDERMASK TOP SIDE AND BOTTOM SIDE. COLOR: GREEN REGISTRATION: ± 0.004 MAX.
10. "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
11. MANUFACTURE PER IPC-6012 CLASS 2.
12. PLATING THICKNESS .002 ± 0.0005 FOR METAL-01 AND METAL-04.
13. ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.

SPECIAL REQUIREMENTS:

14. CRITICAL LINE WIDTH = .0115 ± 0.001 ON METAL-01. ADJUST PROCESS TO ACHIEVE WIDTH.
15. ALL .010 THRU VIAS TO BE FILLED WITH NON-CONDUCTIVE VIA FILL AND OVERPLATED WITH Cu BOTH SIDES.
16. BLIND VIAS: METAL LAYERS 1 - 3 PER DRILL FILE.

VENDOR NOTES:

17. 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.
18. BOARDS MUST PASS VISUAL INSPECTION PER IPC-A-600 CLASS 2.

SIZE	QTY	SYM	PLATED	THR/PRTL	TOL
10	67	+	YES	P1-3	+/-3
10	1245	X	YES	THR	+/-3
14	198	□	YES	THR	+/-3
40	48	◇	YES	THR	+/-3
63	6	⊗	YES	THR	+/-3
125	4	⊗	YES	THR	+/-3

PROPRIETARY TO HITTITE MICROWAVE CORPORATION



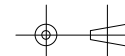
HITTITE MICROWAVE CORPORATION
20 Alpha Road
Chelmsford, MA 01824

TITLE

PCB, CUSTOMER EVAL

SIZE	CODE ID NO.	DWG NO.	REV
A	1CN88	600-00989-00	1
SCALE: 1:1		WT:	SHEET: 1 OF 1

THIRD ANGLE
PROJECTION



DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN INCHES [mm]	
DRAWING PRACTICES PER ASME Y14.100	
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009	
TOLERANCES:	
.XX	$\pm .01$
.XXX	$\pm .005$
.XXXX	$\pm .0020$
ANGLES	$\pm .5$ DEG.

NEXT ASSY	USED ON
-----------	---------

LAYER STACKUP

