

REVISION			
LTR	DESCRIPTION	DATE	APPROVED
2	REVISED & ADD DIGITAL ATTENUATOR CONN	3/31/10	V. LY
3	CORRECTED PINOUT OF J3	12/10/10	DONOVAN

**NOTES:**  
**UNLESS OTHERWISE SPECIFIED:**

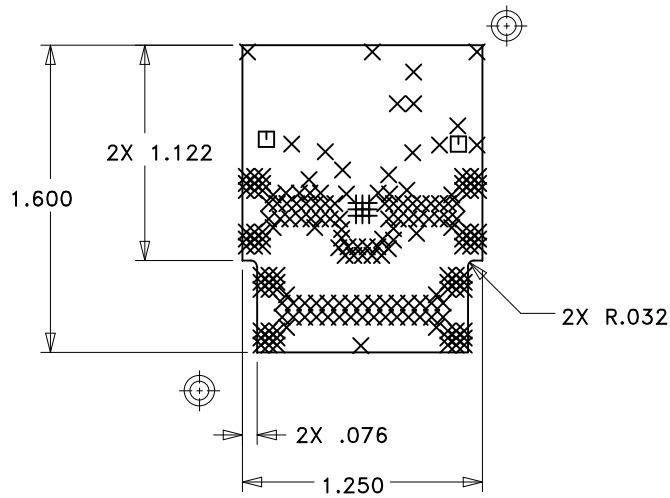
1. MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ROGERS 4350 OR ARLON 25FR, HALF OUNCE COPPER BOTH SIDES, FR4 TO BE USED AS FILLER TO MEET CRITICAL OVERALL THICKNESS.
2. FINISH: GOLD PLATE PER ASTM B-488, TYPE III, CODE A, 8 TO 40 MICROINCHES, OVER NICKEL PER QQ-N-290, 100 MICROINCHES MINIMUM.
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  $\pm .003$  OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
6. FRONT TO BACK REGISTRATION  $\pm .003$  MAX.
7. BOARD WARPAGE:  $< .010$ " PER LINEAR INCH.
8. SILKSCREEN TOP SIDE ONLY WITH WHITE EPOXY INK.
9. SOLDERMASK: LPI SOLDERMASK TOP SIDE. COLOR: GREEN REGISTRATION:  $\pm .004$  MAX.
10. "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
11. MANUFACTURE PER IPC-6012, CLASS 2.

**SPECIAL REQUIREMENTS:**

12. METAL-01 CRITICAL LINE WIDTH =  $.016 \pm .001$  ADJUST PROCESS TO ACHIEVE WIDTH.

**VENDOR NOTES:**

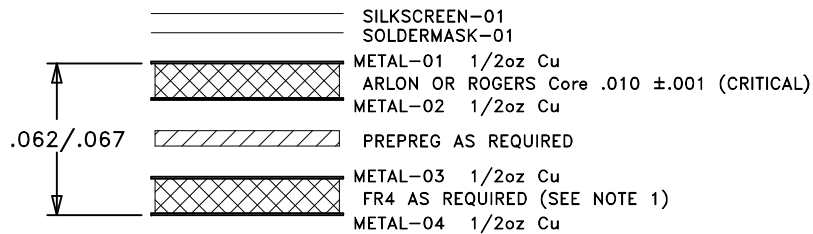
13. VENDOR MAY ADD E-TEST STAMP TO PCB. VENDOR SHALL NOT ADD NAME, LOGO, DATE CODE, OR ANY OTHER MARKING TO ANY VISIBLE LAYER.
14. BOARDS MUST PASS VISUAL INSPECTION PER IPC-A-600, CLASS 2.



HITTITE MICROWAVE  
PCB #114398-3  
DRILL DRAWING

SIZE	QTY	SYM	PLATED	TOL
10	9	+	YES	$\pm .003$
14	185	X	YES	$\pm .003$
43	2	□	YES	$\pm .003$

LAYER	DESCRIPTION
1	RF/GND PLANE
2	GND PLANE
3	GND PLANE
4	BOTTOM GND PLANE



**LAYER STACKUP**

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	$\pm .005$
.XXX	$\pm .0020$
ANGLES	$\pm .5$ DEG.

	XXXXXX
NEXT ASSY	USED ON

PROPRIETARY TO HITTITE MICROWAVE CORPORATION



HITTITE MICROWAVE CORPORATION  
20 Alpha Road  
Chelmsford, MA 01824

TITLE			
PCB, EVAL HMC542LP4E			
SIZE	CODE ID NO.	DWG NO.	REV
A	1CN88	114398	3
SCALE: 1:1		WT:	SHEET: 1 OF 1

