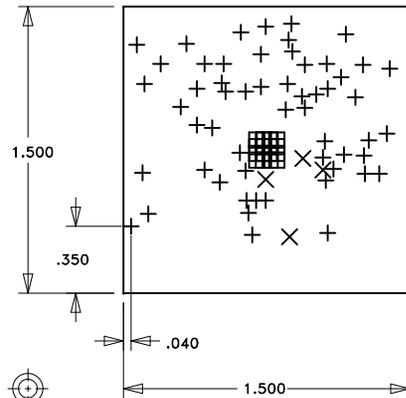


REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	1/21/11	G. HARRINGTON



HITTITE MICROWAVE  
600-00090-00-1  
FABRICATION

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

1. MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE FR4.
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.

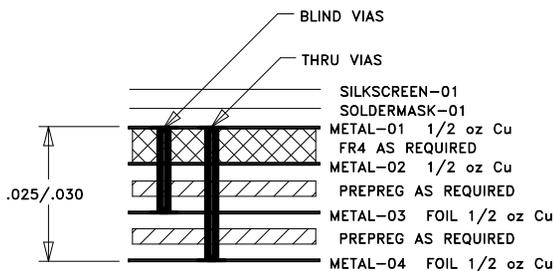
**SPECIAL REQUIREMENTS:**

12. BLIND VIAS: METAL LAYERS 1 - 3 PER DRILL FILE.

**VENDOR NOTES:**

13. 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.
14. BOARDS MUST PASS VISUAL INSPECTION PER IPC-A-600 CLASS 2.

SIZE	QTY	SYM	PLATED	THR/PRTL	TOL
14	56	+	YES	THR	+/-3
14	4	X	YES	P1-3	+/-3
10	16	□	YES	THR	+/-3



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

DRAWN BY	DATE DRN
G. HARRINGTON	1/18/11
CHECKED BY	
ENGINEER	
S. ILKE	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

**HITTITE MICROWAVE CORPORATION**  
20 Alpha Road  
Chelmsford, MA 01824

TITLE: **PCB, EVAL HMC920LP5E**

SIZE	CODE ID NO.	DWG NO.	REV
A	1CN88	600-00090-00	1
SCALE: 1:1		WT:	SHEET: 1 OF 1