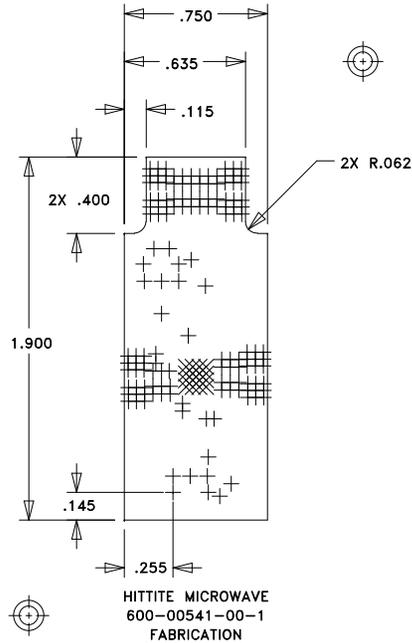


REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	8/22/12	G. HARRINGTON



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

1. MATERIAL: DOUBLE SIDED. TYPE ROGERS 4350B OR ARLON 25FR, HALF OUNCE COPPER BOTH SIDES.
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  $\pm 0.003$  OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
6. FRONT TO BACK REGISTRATION  $\pm 0.003$  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:  $\pm 0.004$  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  $.002 \pm 0.0005$  FOR METAL-01 AND METAL-02.
13. ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.

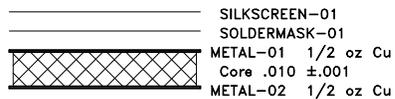
**SPECIAL REQUIREMENTS:**

14. CRITICAL LINE WIDTH =  $.016 \pm 0.001$  ON METAL-01. ADJUST PROCESS TO ACHIEVE WIDTH.
15. ALL  $.010$  VIAS TO BE FILLED WITH NON-CONDUCTIVE VIA FILL AND OVERPLATED WITH Cu BOTH SIDES.

**VENDOR NOTES:**

16. 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.
17. BOARDS MUST PASS VISUAL INSPECTION PER IPC-A-600 CLASS 2.

SIZE	QTY	SYM	PLATED	TOL
10	16	×	YES	+/-3
14	142	+	YES	+/-3



**STACK UP**

NEXT ASSY	USED ON

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.

DRAWN BY G. HARRINGTON	DATE DRN 8/22/12
CHECKED BY	
ENGINEER K. BENSON	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	

PROPRIETARY TO HITTITE MICROWAVE CORPORATION			
<b>HITTITE MICROWAVE CORPORATION</b> 20 Alpha Road Chelmsford, MA 01824			
TITLE <b>PCB, EVAL</b>			
SIZE <b>A</b>	CODE ID NO. <b>1CN88</b>	DWG NO. <b>600-00541-00</b>	REV <b>1</b>
SCALE: 1:1		WT:	SHEET: 1 OF 1