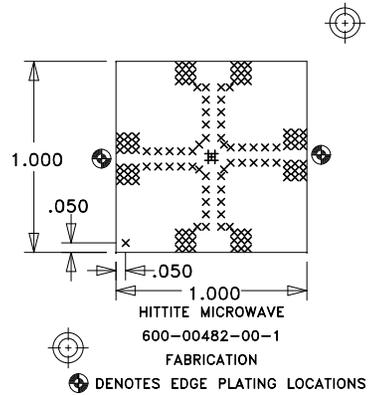


REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	5/24/12	M. GIRDVAINIS



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

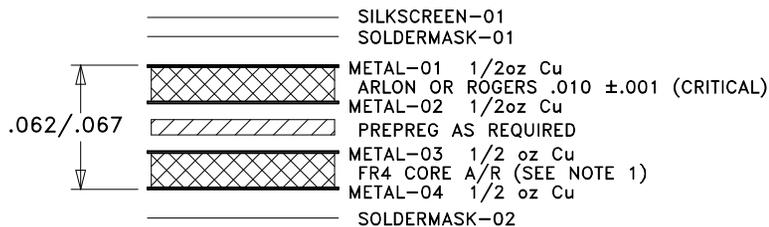
1. MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ROGERS 4350B OR ARLON 25FR, HALF OUNCE COPPER BOTH SIDES. FR4 TO BE USED AS FILLER TO MEET CRITICAL OVERALL THICKNESS.
2. FINISH: GOLD PLATE PER ASTM B-488, TYPE III, CODE A, 8 TO 40 MICROINCHES, OVER NICKEL PER QQ-N-290, 100 MICROINCHES MINIMUM.
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 BOTH SIDES. 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.
12. PLATING THICKNESS  $.002 \pm .0005$  FOR METAL-01 AND METAL-04.
13. ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.

**SPECIAL REQUIREMENTS:**

14. CRITICAL LINE WIDTH =  $.016 \pm .001$  ON METAL-01. ADJUST PROCESS TO ACHIEVE WIDTH.
15. EDGE PLATING MUST CONNECT ALL FOUR METAL LAYERS.

**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.



**STACKUP**

SIZE	QTY	SYM	PLATED	TOL
10	5	+	YES	+/-3
14	121	X	YES	+/-3

NEXT ASSY	USED ON
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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	DATE DRN
M. GIRDVAINIS	5/22/12
CHECKED BY	
ENGINEER	
DOUG BROOKS	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

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

TITLE  
**PCB, EVAL**

SIZE	CODE ID NO.	DWG NO.	REV
A	1CN88	600-00482-00	1

SCALE: 1:1	WT:	SHEET: 1 OF 1
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