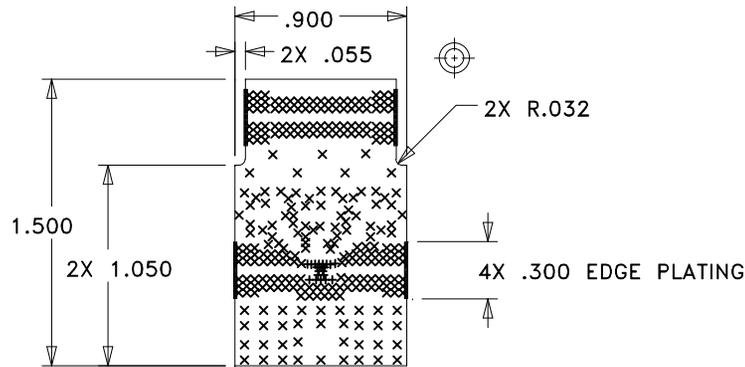


REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	9/1/11	DONOVAN
2	CORRECTED SILKSCREEN	12/14/11	G. HARRINGTON



HITTITE MICROWAVE  
PCB 600-00271-00-2  
DRILL DRAWING

SIZE	QTY	SYM	PLATED	TOL
10	20	+	YES	FILLED +/-3
14	283	X	YES	+/-3

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

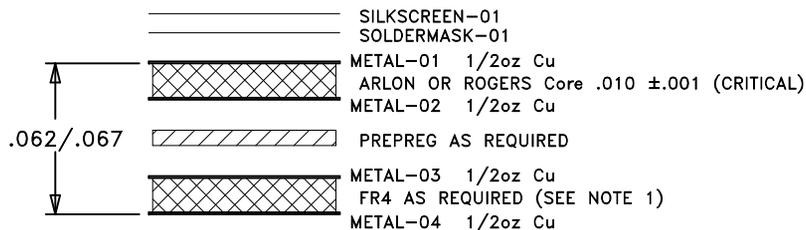
- MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ROGERS 4350 OR ARLON 25FR, HALF OUNCE COPPER BOTH SIDES. FR4 TO BE USED AS FILLER TO MEET CRITICAL OVERALL THICKNESS.
- FINISH: GOLD PLATE PER ASTM B-488, TYPE III, CODE A, 8 TO 40 MICROINCHES, OVER NICKEL PER QQ-N-290, 100 MICROINCHES MINIMUM.
- PLATED THRU HOLES: .001 MINIMUM WALL THICKNESS.
- HOLE SIZES AND POSITIONS PER ARTWORK AND/OR DRILL FILE.
- ALL HOLES TO BE LOCATED WITHIN  $\pm 0.003$  OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
- FRONT TO BACK REGISTRATION  $\pm 0.003$  MAX.
- BOARD WARPAGE:  $< .010$  PER LINEAR INCH.
- SILKSCREEN TOP SIDE ONLY WITH WHITE EPOXY INK.
- SOLDERMASK: LPI SOLDERMASK TOP SIDE. COLOR: GREEN REGISTRATION:  $\pm 0.004$  MAX.
- "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
- MANUFACTURE PER IPC-6012 CLASS 2.
- PLATING THICKNESS  $.002 \pm 0.0005$  FOR METAL-01 AND METAL-04.
- ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.

**SPECIAL REQUIREMENTS:**

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

**VENDOR NOTES:**

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



**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	$\pm .005$
.XXXX	$\pm .0020$
ANGLES	$\pm .5$ DEG.
NEXT ASSY	USED ON

DRAWN BY DONOVAN	DATE DRN 9/1/11
CHECKED BY	
ENGINEER S. NAM	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

HITTITE MICROWAVE CORPORATION  
2 Elizabeth Drive  
Chelmsford, MA 01824

TITLE  
**PCB, EVAL**

SIZE A	CODE ID NO. 1CN88	DWG NO. 600-00271-00	REV 2
SCALE: 1:1		WT:	SHEET: 1 OF 1