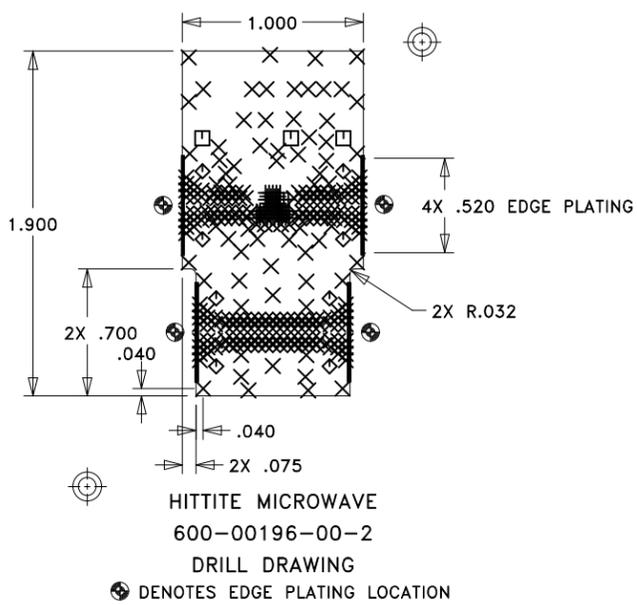
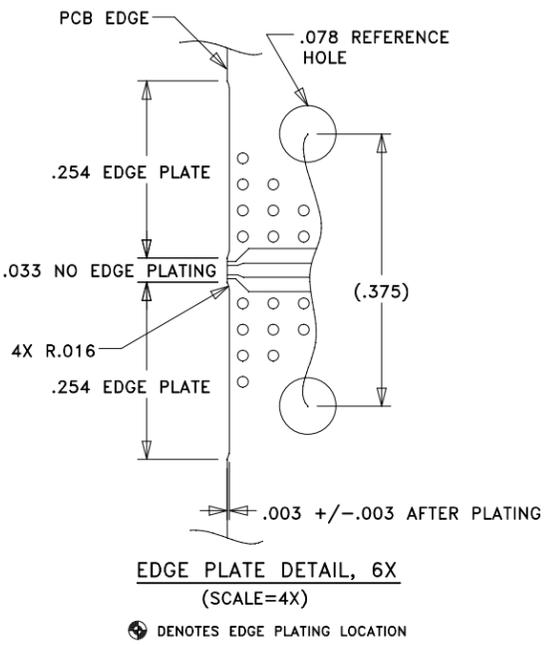


REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	5/12/11	V. LY
	2	CHANGED CONNECTORS TO TRIMLESS	7/14/11	G. HARRINGTON



SIZE	QTY	SYM	PLATED	TOL
10	54	+	YES	+/-3 FILLED
14	249	X	YES	+/-3
43	3	□	YES	+/-3
78	8	◇	YES	+/-3



NOTES:

UNLESS OTHERWISE SPECIFIED:

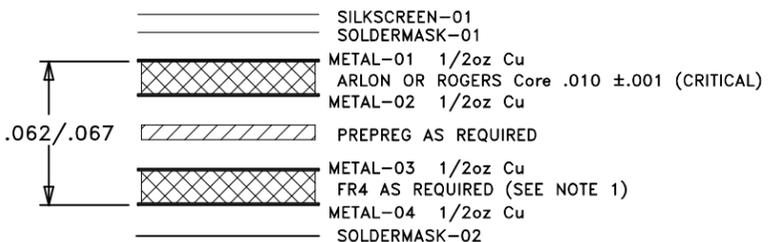
- MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ROGERS 4350 OR ARLON 25FR, HALF OUNCE COPPER BOTH SIDES. FR4 TO BE USED AS FILLER TO MEET CRITICAL OVERALL THICKNESS.
- FINISH: GOLD PLATE PER ASTM B-488, TYPE III, CODE A, 8 TO 40 MICROINCHES, OVER NICKEL PER QQ-N-290, 100 MICROINCHES MINIMUM.
- PLATED THRU HOLES: .001 MINIMUM WALL THICKNESS.
- HOLE SIZES AND POSITIONS PER ARTWORK AND/OR DRILL FILE.
- ALL HOLES TO BE LOCATED WITHIN ±.003 OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
- FRONT TO BACK REGISTRATION ±.003 MAX.
- BOARD WARPAGE: <.010 PER LINEAR INCH.
- SILKSCREEN TOP SIDE ONLY WITH WHITE EPOXY INK.
- SOLDERMASK: LPI SOLDERMASK TOP SIDE. COLOR: GREEN REGISTRATION: ±.004 MAX.
- "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
- MANUFACTURE PER IPC-6012 CLASS 2.
- PLATING THICKNESS .002 ±.0005 FOR METAL-01 AND METAL-04.
- ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.

SPECIAL REQUIREMENTS:

- CRITICAL LINE WIDTH = .016 ±.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.



PROPRIETARY TO HITTITE MICROWAVE CORPORATION
 HITTITE MICROWAVE CORPORATION
 20 Alpha Road
 Chelmsford, MA 01824

UNLESS OTHERWISE SPECIFIED:	DRAWN BY V. LY	DATE DRN 05/06/11
DIMENSIONS ARE IN INCHES [mm]	CHECKED BY K. AYYILDIZ	ENGINEER 05/06/11
DRAWING PRACTICES PER ASME Y14.100	TITLE PCB, EVAL	
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009	SIZE B	
TOLERANCES: .XX ± .01 .XXX ± .005 .XXXX ± .0020 ANGLES ± .5 DEG.	THIRD ANGLE PROJECTION 	CODE ID NO. 1CN88
NEXT ASSY	USED ON	DWG NO. 600-00196-00
		REV 2
		SCALE: 1:1
		WT:
		SHEET: 1 OF 1