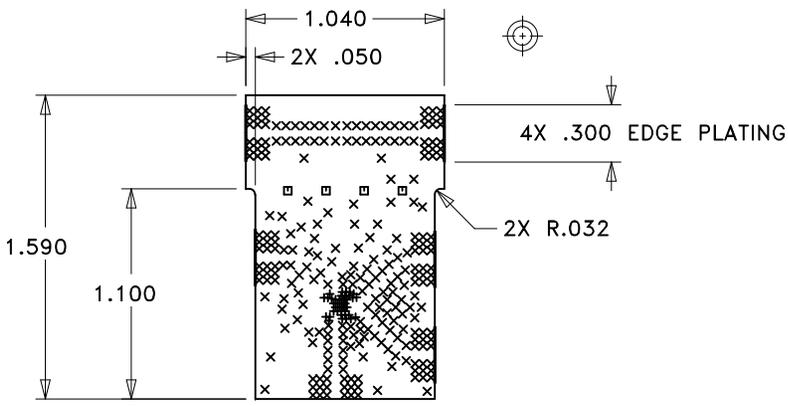


5  
DO NOT SCALE PRINT

REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	8/09/10	V. LY



HITTITE MICROWAVE  
PCB #131653-1  
DRILL DRAWING

SIZE	QTY	SYM	PLATED	TOL
10	39	+	YES	FILLED
14	255	X	YES	+/-3
63	4	□	YES	+/-3

LAYER	DESCRIPTION
1	RF/GND PLANE
2	GND PLANE
3	GND PLANE
4	BOTTOM GND PLANE

NOTES:  
UNLESS OTHERWISE SPECIFIED:

- MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ARLON 25FR OR ROGERS 4350, 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.

SPECIAL REQUIREMENTS:

- CRITICAL LINE WIDTH = .016 ±.001 ON METAL-01. ADJUST PROCESS TO ACHIEVE WIDTH.
- EDGE PLATING MUST CONNECT ALL FOUR LAYERS.
- ALL .010 SIZE VIAS TO BE FILLED WITH NON-CONDUCTIVE VIA FILL AND OVERPLATED WITH Cu BOTH SIDES.

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

UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN INCHES (MM)	
DRAWING PRACTICES PER ASME Y14.100	
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009	
TOLERANCES:	
.XX	+/- 0.010
.XXX	+/- 0.005
.XXXX	+/- 0.002
ANGLES	+/- .5 DEG

DWN BY:  
V. LY 08/03/2010  
ENGINEER:  
XIN JIANG

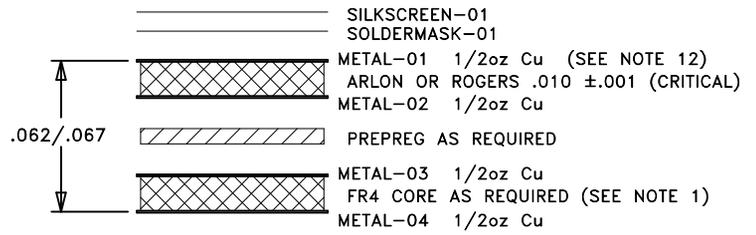


HITTITE MICROWAVE CORPORATION  
20 Alpha Road Chelmsford, MA 01824

TITLE  
PCB, EVAL  
HMC5829LP4E

SIZE	CODE ID NO.	DRAWING NO.	REV
A	1CN88	131653	1

SCALE: NONE WT SHEET 1 of 1



LAYER STACKUP