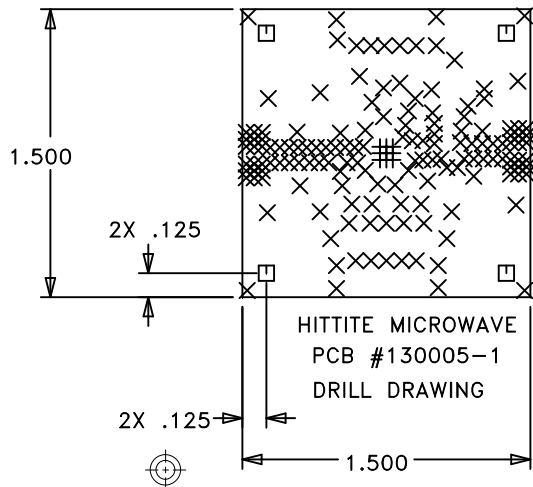


DO NOT SCALE PRINT

REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	3/09/10	V. LY



SIZE	QTY	SYM	PLATED	TOL
10	9	+	YES	+/-3
14	147	X	YES	+/-3
102	4	□	YES	+/-3

NOTES:
UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ROGERS 4350 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 ± 0.003 " OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
6. FRONT TO BACK REGISTRATION ± 0.003 " MAX.
7. BOARD WARPAGE: < 0.010 " PER LINEAR INCH.
8. SILKSCREEN TOPSIDE ONLY WITH WHITE EPOXY INK.
10. SOLDERMASK: LPI SOLDERMASK TOP SIDE. COLOR: GREEN REGISTRATION: ± 0.004 MAX.
11. REMOVE METAL BURRS FROM EDGE OF PCB AFTER PANEL SEPARATION.
12. ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.
13. "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
14. MANUFACTURE PER IPC-6012 CLASS 2.

SPECIAL REQUIREMENTS:

15. METAL-01 CRITICAL LINE WIDTH = $.016 \pm 0.001$ " ADJUST PROCESS TO ACHIEVE WIDTH.
16. VENDOR MAY ADD E-TEST STAMP TO PCB. VENDOR SHALL NOT ADD NAME, LOGO, DATE CODE, OR ANY OTHER MARKING TO ANY VISIBLE LAYER.
17. BOARDS MUST PASS VISUAL INSPECTION PER IPC-A-600 CLASS 2.

SILKSCREEN-01
SOLDERMASK-01



METAL-01 1/2oz Cu (.0007") (SEE NOTE 15)
ARLON OR ROGERS Core .010" ± 0.001 " (CRITICAL)
METAL-02 1/2oz Cu (.0007")

LAYER STACKUP

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

UNLESS OTHERWISE SPECIFIED:	DWN BY:
DIMENSIONS ARE IN INCHES (MM)	V. LY 03/05/10
DRAWING PRACTICES PER MIL-STD-100	ENGINEER:
	J.SCALF

TOLERANCES:	
.XX	+/- 0.010
.XXX	+/- 0.005
.XXXX	+/- 0.002
ANGLES	+/- .5 DEG

DWN BY:	V. LY 03/05/10
ENGINEER:	J.SCALF



HITTITE MICROWAVE CORPORATION
20 Alpha Road Chelmsford, MA 01824

TITLE			
PCB, 900MHZ TUNE EVAL HMC5499LP4E			
SIZE	CODE ID NO.	DRAWING NO.	REV
A	1CN88	130005	1
SCALE: NONE		WT	SHEET 1 of 1