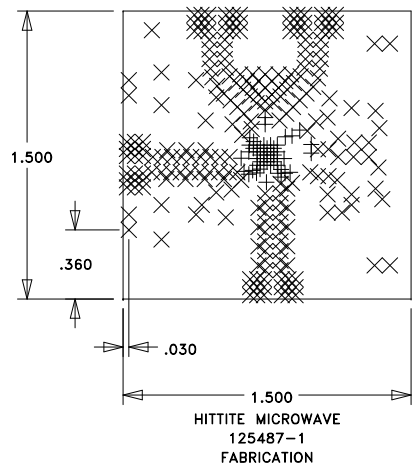


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REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	4/2/09	G. HARRINGTON

SILKSCREEN
SOLDERMASK
METAL-01 1/2oz Cu
0.010 +/- 0.001 ARLON OR ROGERS CORE
METAL-02 1/2oz Cu



NOTES:
MATERIALS AND TOLERANCES:

1. MATERIAL: TYPE ARLON 25FR OR ROGERS 4350, HALF OUNCE COPPER BOTH SIDES.
2. FINISH: GOLD PER ASTM B-488 TYPE III CODE A 8-40 MICROINCHES OVER NICKEL PER QQ-N-290 100 MICROINCHES MINIMUM.
3. APPLY LPI SOLDERMASK TOP SIDE ONLY. COLOR: GREEN.
4. SILKSCREEN TOP SIDE WITH WHITE NON-CONDUCTIVE INK. ENSURE SILKSCREEN DOES NOT COVER COMPONENT PADS - CLIP SILKSCREEN IF NECESSARY.
5. MANUFACTURE PER IPC-600 CLASS 2.
6. ALL HOLES TO BE LOCATED WITHIN +/- .003" OF CENTER OF PAD OR OTHER TRUE POSITION.
7. COPPER PLATE ALL HOLES MINIMUM .001" COPPER WALL THICKNESS.
8. "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
9. WARPAGE: <.008" PER LINEAR INCH.
10. FRONT TO BACK REGISTRATION: +/- .003" MAX.

SPECIAL REQUIREMENTS:

11. CRITICAL LINE WIDTH OF .016" +/- .001" ON METAL-01.
12. ALL .010 VIAS TO BE FILLED WITH NON-CONDUCTIVE VIA FILL AND OVERPLATED WITH CU BOTH SIDES.


VENDOR NOTES:

13. VENDOR SHALL NOT ADD NAME, LOGO, DATE CODE, UL LISTING OR ANY OTHER MARKING TO ANY VISIBLE LAYER.
14. ANY CHANGES TO METAL LAYERS OR STACKUP MUST BE APPROVED BY HITTITE MICROWAVE.
15. BOARDS MUST PASS VISUAL INSPECTION PER IPC-600 CLASS 2.

SIZE	QTY	SYM	PLATED	TOL
10	50	+	YES	FILLED
14	235	X	YES	+/-3

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

UNLESS OTHERWISE SPECIFIED:	DWN BY:
DIMENSIONS ARE IN INCHES (MM)	G. HARRINGTON
DRAWING PRACTICES PER MIL-STD-100	ENGINEER:
TOLERANCES:	SANG-MIN NAM
.XX +/- 0.010	
.XXX +/- 0.005	
.XXXX +/- 0.002	
ANGLES +/- .5 DEG	

 HITTITE MICROWAVE CORPORATION 20 Alpha Road Chelmsford, MA 01824			
TITLE PCB, EVAL HMC5139LC5/HMC5140LC5			
SIZE A	CODE ID NO. 1CN88	DRAWING NO. 125487	REV 1
SCALE:	WT	SHEET 1 of 1	

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