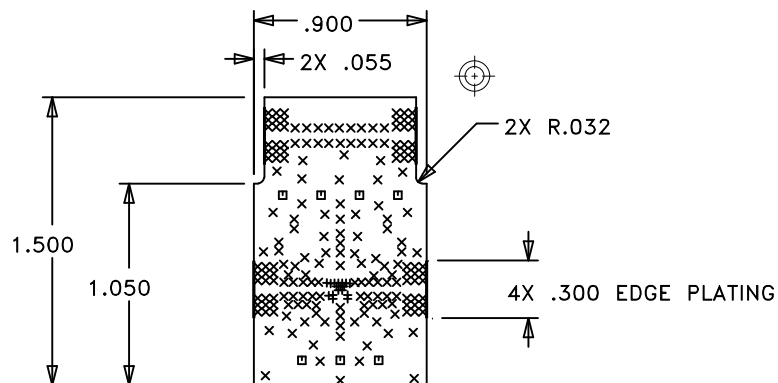


DO NOT SCALE PRINT

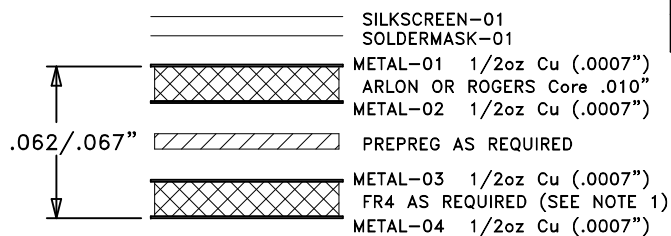


HITTITE MICROWAVE
PCB #128395-1
DRILL DRAWING

SIZE	QTY	SYM	PLATED	TOL
10	17	+	YES	FILLED
14	188	×	YES	+/-3
43	7	□	YES	+/-3

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

±.001" (CRITICAL)



LAYER STACKUP

NOTES:
UNLESS OTHERWISE SPECIFIED:

1. 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.
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 $\pm .003$ " OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
6. FRONT TO BACK REGISTRATION $\pm .003$ " MAX.
7. BOARD WARPAGE: $< .010$ " PER LINEAR INCH.
8. SILKSCREEN TOPSIDE ONLY WITH WHITE EPOXY INK.
9. PLATING THICKNESS $.002 \pm .0005$ FOR METAL-01 AND METAL-04.
10. SOLDERMASK: LPI SOLDERMASK TOP SIDE. COLOR: GREEN REGISTRATION: $\pm .004$ 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-600 CLASS 2.


SPECIAL REQUIREMENTS:

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

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

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

DWN BY:	V. LY	11/18/2009
ENGINEER:	V. CANNISTRANO	11/18/09

				HITTITE MICROWAVE CORPORATION 20 Alpha Road Chelmsford, MA 01824			
TITLE PCB, EVAL, HMC5534ALP3E/LP3E, HMC5505ALC3/ALP3CE/LC3/LP3CE							
SIZE A		CODE ID NO. 1CN88		DRAWING NO. 128395			REV. 1
SCALE:		WT		SHEET 1 of 1			