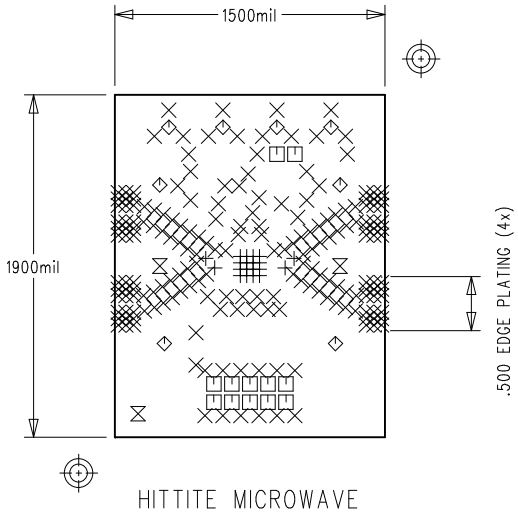
DO NOT SCALE PRINT

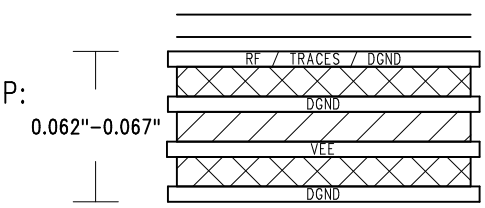
REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	INITIAL RELEASE	09/03/09	MH
	2	FIXED VEE/GND SHORT AT EDGE PLATING	05/12/10	MH



HITTITE MICROWAVE
PCB #127100-3
DRILL DRAWING

LAYER STACKUP:

(FOR REFERENCE ONLY, SEE NOTE #1)



SILKSCREEN-01
SOLDERMASK-01
METAL-01 1/2oz Cu
.010" +/- .001 ARLON 25FR
METAL-02 1/2oz Cu
PREPREG AS REQUIRED
METAL-03 1/2oz Cu
.028" FR4
METAL-04 1/2oz Cu

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE 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 ±.003" OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
6. FRONT TO BACK REGISTRATION ±.003" MAX.
7. BOARD WARPAGE: .010" PER LINEAR INCH MAX.
8. SILKSCREEN TOP SIDE ONLY WITH WHITE EPOXY INK.
9. TOLERANCE ON PCB ROUTE IS ±.005".
10. TOTAL PLATING THICKNESS .002"±.0005 FOR METAL-01 AND METAL-04.
11. SOLDERMASK: LPI SOLDERMASK TOP SIDE ONLY. COLOR: GREEN REGISTRATION: ±.004 MAX. *** APPLY SOLDERMASK AS DESIGNED. ANY ALTERATIONS OF SOLDERMASK MUST FIRST BE APPROVED BY HITTITE MICROWAVE.
12. REMOVE METAL BURRS FROM EDGE OF PCB AFTER PANEL SEPARATION.
13. ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.
14. "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
15. MANUFACTURE PER IPC-600 CLASS 2.
16. CRITICAL LINE WIDTH = .016" +/-.001" ADJUST PROCESS TO ACHIEVE WIDTH.
17. .500 EDGE PLATING MUST CONNECT LAYERS 1, 2, & 4 AT J1, J2, J3, & J4.

SIZE	QTY	SYM	PLATED	TOL
10	20	+	YES	+/- 3
14	194	X	YES	+/- 3
37	12	□	YES	+/- 3
43	8	◇	YES	+/- 3
93	3	⧖	YES	+/- 3

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: J. Norvell 05/12/10
ENGINEER: M. Harrell

HITTITE MICROWAVE CORPORATION
20 Alpha Road Chelmsford, MA 01824

TITLE
PCB, EVAL
VARIOUS, LC5

SIZE	CODE ID NO.	DRAWING NO.	REV
A	1CN88	127100	2

SCALE: | WT | SHEET 1 of 1