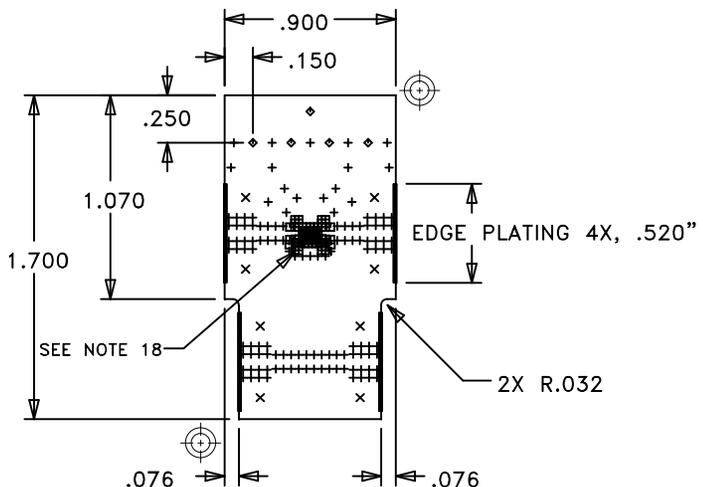


DO NOT SCALE PRINT

REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	08/05/08	M.LYONS



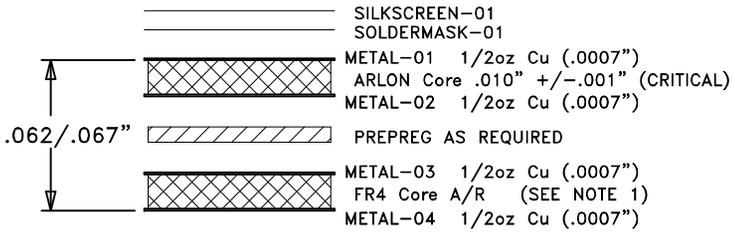
HITTITE MICROWAVE
PCB #122780-1
DRILL DRAWING

NOTES:
UNLESS OTHERWISE SPECIFIED

1. MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ARLON 25FR, HALF OUNCE COPPER BOTH SIDES, TOPSIDE ONLY. 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 TOPSIDE ONLY WITH WHITE EPOXY INK.
9. TOLERANCE ON PCB ROUTE IS ±.005".
10. PLATING THICKNESS .002"±.0005 FOR METAL-01 AND METAL-04.
11. SOLDERMASK: LPI SOLDERMASK TOP SIDE. COLOR: GREEN REGISTRATION: ±.004 MAX.
12. REMOVE METAL BURRS FROM EDGE OF PCB AFTER PANEL SEPERATION.
13. ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.
14. CRITICAL LINE WIDTH = .018" +/- .001" ADJUST PROCESS TO ACHIEVE WIDTH.
15. MANUFACTURE PER IPC-600 CLASS II
16. "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
17. EDGE PLATING MUST CONNECT ALL 4 METAL LAYERS.
18. VIAS UNDER DUT (ALL .010" SIZE VIAS) TO BE FILLED WITH NON-CONDUCTIVE VIA FILL AND OVERPLATED WITH Cu BOTH SIDES.

SIZE	QTY	SYM	PLATED	TOL
10	61	□	YES	FILLED
14	124	+	YES	+/-3
43	5	◇	YES	+/-3
78	8	×	YES	+/-3

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



LAYER STACKUP

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

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

<p>HITTITE MICROWAVE CORPORATION 20 Alpha Road Chelmsford, MA 01824</p>			
<p>TITLE PCB, EVAL, HMC4762LP4HE</p>			
SIZE	CODE ID NO.	DRAWING NO.	REV
A	1CN88	122780	1
SCALE:		WT	SHEET 1 of 1