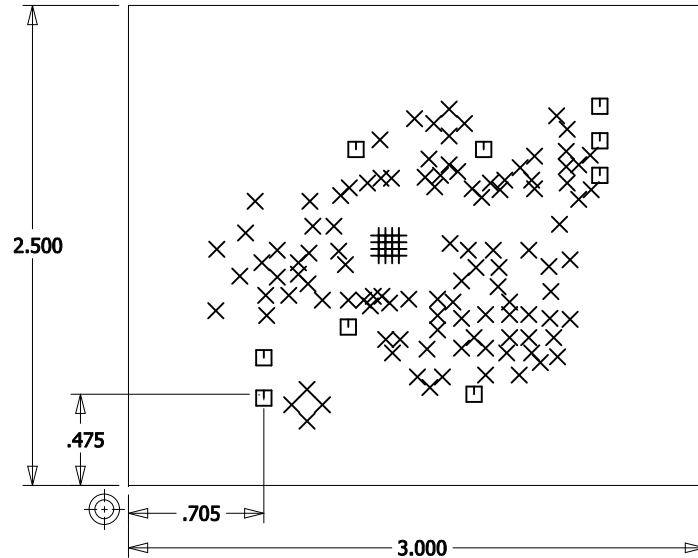


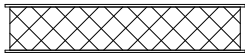
DO NOT SCALE PRINT

REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	11/23/09	M. GIRDVAINIS



HITTITE MICROWAVE
128399-1
DRILL DRAWING

SIZE	QTY	SYM	PLATED	TOL
10	16	+	YES	+/-3
14	109	X	YES	+/-3
63	9	□	YES	+/-3

____ SILKSCREEN-01
____ SOLDERMASK-01
 METAL-01 1/2oz Cu
____ METAL-02 1/2oz Cu
____ SOLDERMASK-02

NOTES:


MATERIALS AND TOLERANCES:

1. MATERIAL: PER STACKUP. FR4
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 BOTH SIDES. COLOR: GREEN.
4. SILKSCREEN TOP SIDE WITH WHITE NON-CONDUCTIVE INK. ENSURE SILKSCREEN DOES NOT COVER COMPONENT PADS - CLIP SILKSCREEN IF NECESSARY.
5. HOLES SIZE AND POSITIONS PER ARTWORK AND/OR DRILL FILE.
6. ALL HOLES TO BE LOCATED WITHIN $\pm .003$ 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. BOARD WARPAGE: $< .010$ PER LINEAR INCH.
10. FRONT TO BACK REGISTRATION: $\pm .003$ MAX.
11. PLATING THICKNESS $.002 \pm .0005$ FOR METAL-01 AND METAL-02.
12. ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.
13. REMOVE METAL BURRS FROM EDGE OF PCB AFTER PANEL SEPARATION.
14. MANUFACTURE PER IPC-600 CLASS 2.

VENDOR NOTES:

15. VENDOR SHALL NOT ADD NAME, LOGO, DATE CODE, UL LISTING OR ANY OTHER MARKING TO ANY VISIBLE LAYER. VENDOR MAY ADD E-TEST STAMP TO PCB.
16. BOARDS MUST PASS VISUAL INSPECTION PER IPC-600 CLASS 2.

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

UNLESS OTHERWISE SPECIFIED:		DWN BY:		 HITTITE MICROWAVE CORPORATION 20 Alpha Road Chelmsford, MA 01824					
DIMENSIONS ARE IN INCHES (MM)		M. GIRDVAINIS 11/3/09							
DRAWING PRACTICES PER MIL-STD-100		ENGINEER:		TITLE PCB, CUSTOMER EVAL HMC5437A-HLP5E					
TOLERANCES:		ABDULLAH CELIK							
.XX	+/- 0.010			SIZE	CODE ID NO.	DRAWING NO.	REV		
.XXX	+/- 0.005			A	1CN88	128399	1		
.XXXX	+/- 0.002			SCALE:				WT	SHEET 1 of 1
ANGLES	+/- .5 DEG								

A