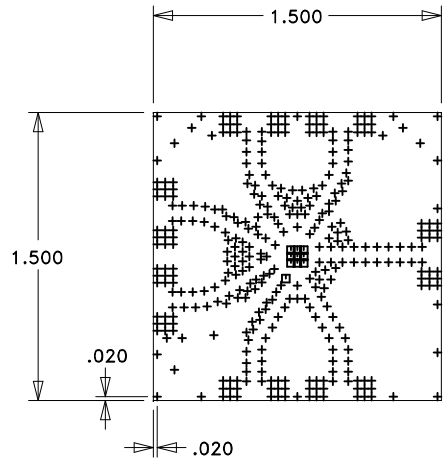
REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	11/04/11	M.LYONS



HITTITE MICROWAVE
PCB #600-00313-00-1
DRILL DRAWING

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 ±.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.
8. SILKSCREEN TOP SIDE ONLY WITH WHITE EPOXY INK.
9. SOLDERMASK: LPI SOLDERMASK BOTH SIDES. COLOR: GREEN REGISTRATION: ±.004 MAX.
10. "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
11. MANUFACTURE PER IPC-6012 CLASS 2.
12. PLATING THICKNESS .002 ±.0005 FOR METAL-01 AND METAL-04.
13. ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.

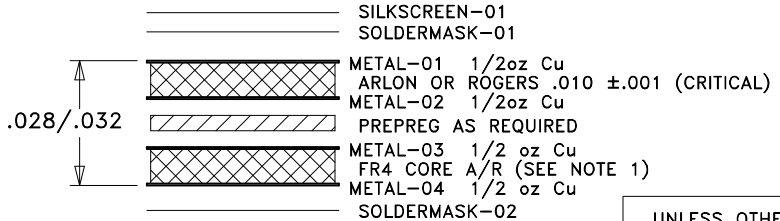
SPECIAL REQUIREMENTS:

14. CRITICAL LINE WIDTH = .016 ±.001 ON METAL-01. ADJUST PROCESS TO ACHIEVE WIDTH.

VENDOR NOTES:

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

SIZE	QTY	SYM	PLATED	TOL
10	10	⊡	YES	+/-3
14	356	+	YES	+/-3



STACKUP

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

UNLESS OTHERWISE SPECIFIED:	DRAWN BY: M.LYONS	DATE DRN: 10/19/11	HITTITE MICROWAVE CORPORATION 20 Alpha Road Chelmsford, MA 01824
DIMENSIONS ARE IN INCHES [mm]	CHECKED BY:		TITLE: PCB, EVAL
DRAWING PRACTICES PER ASME Y14.100	ENGINEER: S. KILINC		
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009			
TOLERANCES: .XX ± .01; .XXX ± .005; .XXXX ± .0020; ANGLES ± .5 DEG.	THIRD ANGLE PROJECTION		SIZE: A; CODE ID NO.: 1CN88; DWG NO.: 600-00313-00; REV: 1
	DO NOT SCALE DRAWING		SCALE: 1:1; WT: ; SHEET: 1 OF 1

NEXT ASSY	USED ON