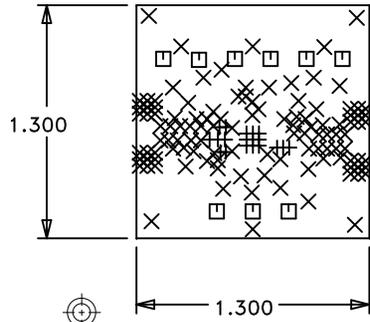


DO NOT SCALE PRINT

REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	12/18/09	V. LY



HITTITE MICROWAVE  
PCB #128683-1  
DRILL DRAWING

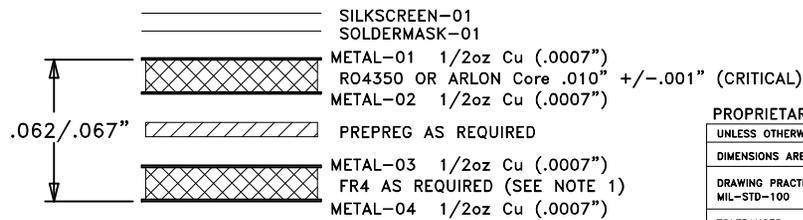
SIZE	QTY	SYM	PLATED	TOL
10	19	+	YES	+/-3
14	115	X	YES	+/-3
63	9	□	YES	+/-3

**NOTES:**  
UNLESS OTHERWISE SPECIFIED

- 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.
- FINISH: GOLD PLATE PER ASTM B-488, TYPE III, CODE A, 8 TO 40 MICROINCHES, OVER NICKEL PER QQ-N-290, 100 MICROINCHES MINIMUM.
- PLATED THRU HOLES: .001" MINIMUM WALL THICKNESS.
- HOLE SIZES AND POSITIONS PER ARTWORK AND/OR DRILL FILE.
- ALL HOLES TO BE LOCATED WITHIN ±.003" OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
- FRONT TO BACK REGISTRATION ±.003" MAX.
- BOARD WARPAGE: <.010" PER LINEAR INCH.
- SILKSCREEN TOPSIDE ONLY WITH WHITE EPOXY INK.
- PLATING THICKNESS .002"±.0005 FOR METAL-01 AND METAL-04.
- SOLDERMASK: LPI SOLDERMASK TOP SIDE. COLOR: GREEN REGISTRATION: ±.004 MAX.
- REMOVE METAL BURRS FROM EDGE OF PCB AFTER PANEL SEPARATION.
- ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.
- "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
- MANUFACTURE PER IPC-6012 CLASS 2.

UNLESS OTHERWISE SPECIFIED

- CRITICAL LINE WIDTH = .016" ±.001 ADJUST PROCESS TO ACHIEVE WIDTH.



LAYER STACKUP

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

UNLESS OTHERWISE SPECIFIED:		DWN BY:	V. LY	12/17/09
DIMENSIONS ARE IN INCHES (MM)		ENGINEER:	A. EKEN	12/18/09
DRAWING PRACTICES PER MIL-STD-100				
TOLERANCES:				
.XX	+/- 0.010			
.XXX	+/- 0.005			
.XXXX	+/- 0.002			
ANGLES	+/- .5 DEG			

 <b>HITTITE MICROWAVE CORPORATION</b> 20 Alpha Road Chelmsford, MA 01824			
SIZE	CODE ID NO.	DRAWING NO.	REV
A	1CN88	128683	1
SCALE: NONE		WT	SHEET 1 of 1