

REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	11/06/12	D. ACEVAL

NOTES:
UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE FR4, HALF OUNCE COPPER BOTH SIDES.
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 ± 0.003 OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
6. FRONT TO BACK REGISTRATION ± 0.003 MAX.
7. BOARD WARPAGE: < 0.010 PER LINEAR INCH.
8. SILKSCREEN TOP AND BOTTOM SIDE WITH WHITE EPOXY INK.
9. SOLDERMASK: LPI SOLDERMASK TOP AND BOTTOM SIDE. COLOR: GREEN REGISTRATION: ± 0.004 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 $.002 \pm 0.0005$ FOR METAL-01 AND METAL-04.
13. ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.

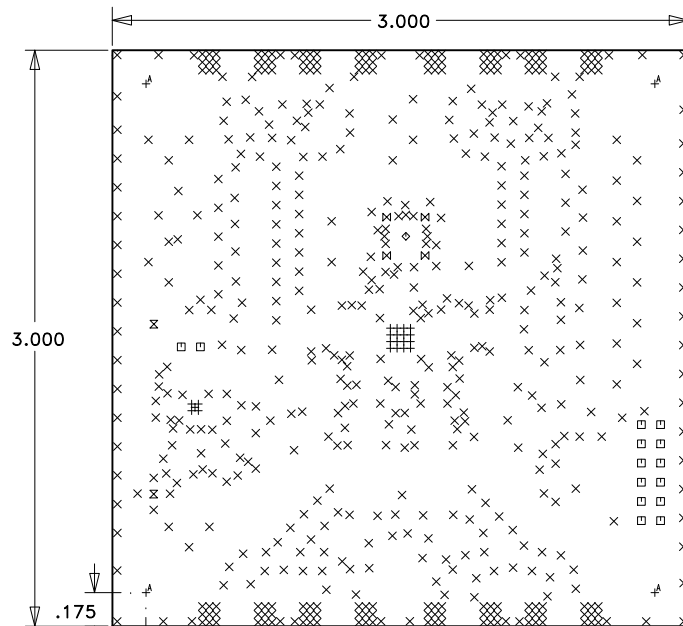
SPECIAL REQUIREMENTS:

14. CRITICAL LINE WIDTH = $.016 \pm 0.001$ ON METAL-01 AND METAL-04. ADJUST PROCESS TO ACHIEVE WIDTH.
15. METAL-01: DIFFERENTIAL IMPEDANCE OF 100 OHMS $\pm 10\%$ ON DUAL 12 MIL TRACES WITH 9 MIL SPACING. VENDOR TO VERIFY IMPEDANCE REQUIREMENTS.

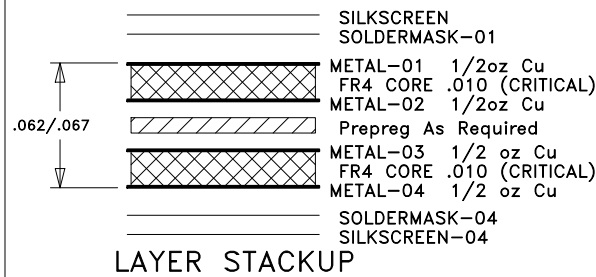
VENDOR NOTES:

16. 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.
17. BOARDS MUST PASS VISUAL INSPECTION PER IPC-A-600 CLASS 2.

SIZE	QTY	SYM	PLATED	TOL
10	21	+	YES	+/-3
14	571	X	YES	+/-3
40	14	□	YES	+/-3
59	1	◇	YES	+/-3
63	2	⊗	YES	+/-3
67	4	⊗	YES	+/-3
125	4	⊕ ^A	YES	+/-3



HITTITE MICROWAVE
600-00631-00-1
DRILL DRAWING



LAYER STACKUP

UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN INCHES [mm]	
DRAWING PRACTICES PER ASME Y14.100	
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009	
TOLERANCES:	
.XX	$\pm .01$
.XXX	$\pm .005$
.XXXX	$\pm .0020$
ANGLES	$\pm .5$ DEG.

DRAWN BY	DATE DRN
D. ACEVAL	11/06/12
CHECKED BY	
J. CHENG	11/06/12
ENGINEER	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	

PROPRIETARY TO HITTITE MICROWAVE CORPORATION



HITTITE MICROWAVE CORPORATION
20 Alpha Road
Chelmsford, MA 01824

TITLE			
PCB, CUSTOMER EVAL			
SIZE	CODE ID NO.	DWG NO.	REV
A	1CN88	600-00631-00	1
SCALE: 1:1		WT:	SHEET: 1 OF 1