



SIZE	QTY	SYM	PLATED	TOL
10	16	X	YES	+/-3
14	142	+	YES	+/-3

SILKSCREEN-01	
SOLDERMASK-01	
METAL-01 1/2 oz Cu	
Core .010 ±.001	
METAL-02 1/2 oz Cu	

STACK UP

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

DRAWN BY G. HARRINGTON	DATE DRN 8/22/12
CHECKED BY	
ENGINEER K. BENSON	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	

PROPRIETARY TO HITTITE MICROWAVE CORPORATION			
HITTITE MICROWAVE CORPORATION 20 Alpha Road Chelmsford, MA 01824			
TITLE PCB, EVAL			
SIZE A	CODE ID NO. 1CN88	DWG NO. 600-00541-00	REV 1
SCALE: 1:1		WT:	SHEET: 1 OF 1

REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	8/22/12	G. HARRINGTON

NOTES:
UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: DOUBLE SIDED. TYPE ROGERS 4350B OR ARLON 25FR, 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 ±.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 TOP SIDE. 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-02.
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.
15. ALL .010 VIAS TO BE FILLED WITH NON-CONDUCTIVE VIA FILL AND OVERPLATED WITH Cu BOTH SIDES.

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.