


⊕ DENOTES EDGE PLATING LOCATION

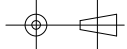
SIZE	QTY	SYM	PLATED	TOL
10	50	+	YES	+/-3
14	312	×	YES	+/-3

———— SILKSCREEN-01  
 ———— SOLDERMASK-01

 METAL-01 1/2oz Cu  
 .010 ±.001 ARLON 25FR OR R04350 (CRITICAL)  
 METAL-02 1/2oz Cu

## LAYER STACKUP

NEXT ASSY	USED ON

UNLESS OTHERWISE SPECIFIED:	DRAWN BY V. LY	DATE DRN 04/01/11
DIMENSIONS ARE IN INCHES [mm]	CHECKED BY	
DRAWING PRACTICES PER ASME Y14.100	ENGINEER K. BENSON	03/31/11
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009	THIRD ANGLE PROJECTION	
TOLERANCES:	DO NOT SCALE DRAWING	
.XX ± .01		
.XXX ± .005		
.XXXX ± .0020		
ANGLES ± .5 DEG.		

REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	04/05/11	V. LY
2	DELETED C5-C8, C23, C24 AND ADDED VDD6	6/6/11	M. GIRDVAINIS

### NOTES: UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: OVERALL STACKUP AS SHOWN. TYPE ARLON 25FR OR ROGERS 4350, 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 MET-01 AND MET-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. EDGE PLATING MUST CONNECT BOTH LAYERS.

### 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.

PROPRIETARY TO HITTITE MICROWAVE CORPORATION



**HITTITE MICROWAVE CORPORATION**  
 20 Alpha Road  
 Chelmsford, MA 01824

TITLE  PCB, EVAL			
SIZE <b>A</b>	CODE ID NO. <b>1CN88</b>	DWG NO. <b>600-00165-00</b>	REV <b>2</b>
SCALE: 1:1		WT:	SHEET: 1 OF 1