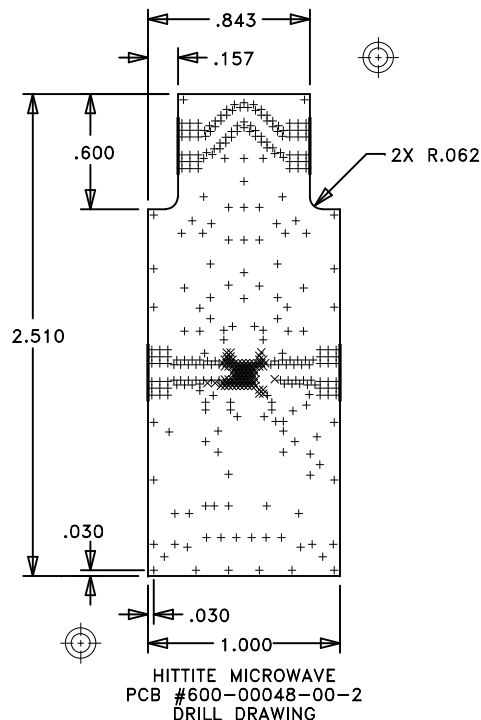


\_\_\_\_\_ SILKSCREEN-01  
 \_\_\_\_\_ SOLDERMASK-01  
 \_\_\_\_\_ METAL-01 1/2oz Cu  
 \_\_\_\_\_ ARLON OR RO4350 Core .010 ±.001 (CRITICAL)  
 \_\_\_\_\_ METAL-02 1/2oz Cu

## LAYER STACKUP




SIZE	QTY	SYM	PLATED	TOL
10	88	✕	YES	FILLED
14	284	+	YES	+/-3

	XXXXXX
NEXT ASSY	USED ON

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	DATE DRN
MARTIN LYONS	11/22/10
CHECKED BY	
ENGINEER	
K.BENSON	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	

PROPRIETARY TO HITTITE MICROWAVE CORPORATION			
 <b>HITTITE MICROWAVE CORPORATION</b> 20 Alpha Road Chelmsford, MA 01824			
TITLE			
PCB, EVAL HMC965LP5E			
SIZE	CODE ID NO.	DWG NO.	REV
A	1CN88	600-00048-00	2
SCALE: 1:1		WT:	SHEET: 1 OF 1

REVISION			
LTR	DESCRIPTION	DATE	APPROVED
1	ENGINEERING RELEASE	11/23/10	M.LYONS
2	CHANGE PIN 15 FROM VDD6 TO VDD4	12/08/10	M.LYONS

### NOTES:

#### UNLESS OTHERWISE SPECIFIED

1. MATERIAL: PER LAYER STACKUP. 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 TOPSIDE 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.

#### SPECIAL REQUIREMENTS:

12. CRITICAL LINE WIDTH = .016 ±.001 ON METAL-01. ADJUST PROCESS TO ACHIEVE WIDTH.
13. ALL .010 VIAS TO BE FILLED WITH NON-CONDUCTIVE VIA FILL AND OVERPLATED WITH Cu BOTH SIDES.

#### VENDOR NOTES:

14. 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.
15. BOARDS MUST PASS VISUAL INSPECTION PER IPC-A-600 CLASS 2.