

DO NOT SCALE PRINT

REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
1		ENGINEERING RELEASE	5/16/08	G. HARRINGTON
2		SCHEMATIC UPDATES	6/12/08	G. HARRINGTON
3		MOVED JP4 & JP5 TO TOP SIDE	10/09/08	M.LYONS

NOTES:
MATERIALS AND TOLERANCES:

1. MATERIAL: PER STACKUP. FR4 TO BE USED AS FILLER TO MEET CRITICAL OVERALL THICKNESS.
2. FINISH: GOLD PER ASTM B-48B TYPE III CODE A 8-40 MICROINCHES OVER NICKEL PER QQ-N-290, 100 MICROINCHES MINIMUM.
3. APPLY LPI SOLDERMASK BOTH SIDES. COLOR: GREEN.
4. SILKSCREEN BOTH SIDES WITH WHITE NON-CONDUCTIVE INK. ENSURE SILKSCREEN DOES NOT COVER COMPONENT PADS - CLIP SILKSCREEN IF NECESSARY.
5. MANUFACTURE PER IPC-600 CLASS II
6. ALL HOLES TO BE LOCATED WITHIN $\pm .003$ " OF CENTER OF PAD OR OTHER TRUE POSITION.
7. COPPER PLATE ALL HOLES MINIMUM .001" COPPER WALL THICKNESS.
8. "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
9. WARPAGE: $<.008$ " PER LINEAR INCH.
10. FRONT TO BACK REGISTRATION: $\pm .003$ " MAX.
11. MINIMUM TRACE WIDTH = 8 MILS. MINIMUM SPACING = 8 MILS.

SPECIAL REQUIREMENTS:

12. CRITICAL LINE WIDTH OF .016" $\pm .001$ " ON METAL-01.

VENDOR NOTES:

13. VENDOR TO COMPARE IPC NET LIST TO GERBER FILES FOR CONTINUITY. ANY DISCREPANCIES MUST BE REPORTED TO HITTITE MICROWAVE.
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. ANY CHANGES TO METAL LAYERS OR STACKUP MUST BE APPROVED BY HITTITE MICROWAVE. THIS INCLUDES CHANGES MADE FOR IMPEDANCE ADJUSTMENTS.
16. BOARDS MUST PASS VISUAL INSPECTION PER IPC-600 CLASS II.
17. FINISHED BOARDS ARE TO BE BARE BOARD TESTED.

SIZE	QTY	SYM	PLATED	TOL
10	39	+	YES	$\pm .3$
14	324	X	YES	$\pm .3$
25	4	□	YES	$\pm .3$
40	12	◇	YES	$\pm .3$
125	4	⊗	YES	$\pm .3$

HITTITE MICROWAVE
120972-3
FABRICATION

	SILKSCREEN-01
	SOLDERMASK-01
	METAL-01 1/2oz Cu
0.010 \pm 0.001	ARLON 25FR
	METAL-02 1/2oz Cu
	PREPREG AS REQUIRED
	METAL-03 1/2oz Cu
	FR4 AS REQUIRED
	METAL-04 1/2oz Cu
	SOLDERMASK-02
	SILKSCREEN-02

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN INCHES (MM)	
DRAWING PRACTICES PER MIL-STD-100	
TOLERANCES:	
.XX	\pm 0.010
.XXX	\pm 0.005
.XXXX	\pm 0.002
ANGLES	\pm .5 DEG

DWN BY:
GERRY HARRINGTON
ENGINEER:
DON YOUNG



HITTITE MICROWAVE CORPORATION
20 Alpha Road Chelmsford, MA 01824

TITLE
PCB, SOLDERED EVAL
HMC700LP4E

SIZE	CODE ID NO.	DRAWING NO.	REV
A	1CN88	120972	3
SCALE:		WT	SHEET 1 of 1