

REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	12/04/12	Y.AYDIN

NOTES:

UNLESS OTHERWISE SPECIFIED:

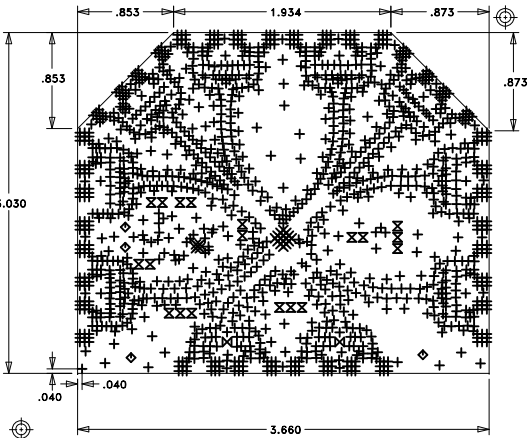
1. MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ARLON 25FR OR ROGERS 4350B, HALF OUNCE COPPER BOTH SIDES, FR4 TO BE USED AS FILLER TO MEET CRITICAL OVERALL THICKNESS.
2. FINISH: GOLD PLATE PER ASTM B-488, TYPE III, CODE A, 8 TO 40 MICROINCHES, OVER NICKEL PER QQ-N-290, 100 MICROINCHES MINIMUM.
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 $\pm .003$ OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
6. FRONT TO BACK REGISTRATION $\pm .003$ MAX.
7. BOARD WARPAGE: $< .010$ PER LINEAR INCH.
8. SILKSCREEN TOP SIDE ONLY WITH WHITE EPOXY INK.
9. SOLDERMASK: LPI SOLDERMASK BOTH SIDES. COLOR: GREEN REGISTRATION: $\pm .004$ 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 $\pm .0005$ FOR MET-01 AND MET-04.
13. ARTWORK IS 1:1 VENDOR TO ADJUST FOR ETCH FACTOR.

SPECIAL REQUIREMENTS:

14. METAL-01: CRITICAL LINE WIDTH = $.018 \pm .001$ ON METAL-01. ADJUST PROCESS TO ACHIEVE WIDTH.
- METAL-01: DIFFERENTIAL IMPEDANCE OF 100 OHMS $\pm 10\%$ ON DUAL 10 MIL TRACES WITH 6 MIL SPACING.
- VENDOR TO VERIFY IMPEDANCE REQUIREMENTS.

VENDOR NOTES:



15. 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.
16. BOARDS MUST PASS VISUAL INSPECTION PER IPC-A-600 CLASS 2.
17. ANY CHANGES TO METAL LAYERS OR STACKUP MUST BE APPROVED BY HITTITE MICROWAVE. THIS INCLUDES CHANGES MADE FOR IMPEDANCE ADJUSTMENTS.



HITTITE MICROWAVE
600-00689-00-1
DRILL DRAWING

SIZE	QTY	SYM	PLATED	TOL
10	21	✕	YES	+/-3
14	1492	+	YES	+/-3
63	4	◇	YES	+/-3
40	19	⊗	YES	+/-3
43	2	⊗	YES	+/-3

	SILKSCREEN-01
	SOLDERMASK-01
	METAL-01 1/2oz Cu
	ARLON OR ROGERS Core .010 $\pm .001$ (CRITICAL)
	METAL-02 1/2oz Cu
	PREPREG AS REQUIRED
	METAL-03 1/2oz Cu
	FR4 AS REQUIRED (SEE NOTE 1)
	METAL-04 1/2oz Cu
	SOLDERMASK-02
	LAYER STACKUP

UNLESS OTHERWISE SPECIFIED:		DRAWN BY Y.AYDIN		DATE DRN 12/04/12		 HITTITE MICROWAVE CORPORATION 20 Alpha Road Chelmsford, MA 01824	
DIMENSIONS ARE IN INCHES [mm]		CHECKED BY					
DRAWING PRACTICES PER ASME Y14.100		ENGINEER A. L. MARTINEZ		12/04/12		TITLE PCB, EVAL HMC6832XLP5LE	
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009		THIRD ANGLE PROJECTION				SIZE B	
TOLERANCES: .XX ± .01 .XXX ± .005 .XXXX ± .0020 ANGLES ± .5 DEG.		DO NOT SCALE DRAWING		CODE ID NO. 1CN88		DWG NO. 600-00689-00	
				SCALE: 1:1		REV 1	
				WT:		SHEET: 1 OF 1	