

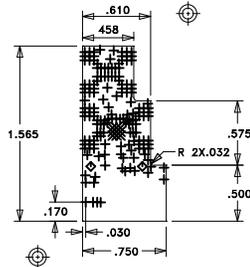
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REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	09/11/14	Y.AYDIN



HITTITE MICROWAVE
600-01221-00-1
DRILL DRAWING

NOTES:

UNLESS OTHERWISE SPECIFIED:

- 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.
- FINISH: GOLD PLATE PER ASTM B-488, TYPE III, CODE A, 8 TO 40 MICROINCHES, OVER NICKEL PER QQ-N-290, 100 MICROINCHES MINIMUM.
- PLATED THRU HOLES: .001 MINIMUM WALL THICKNESS.
- HOLE SIZES AND POSITIONS PER ARTWORK AND/OR DRILL FILE.
- ALL HOLES TO BE LOCATED WITHIN ±.003 OF THE CENTER OF THE PAD OR OTHER TRUE POSITION.
- FRONT TO BACK REGISTRATION ±.003 MAX.
- BOARD WARPAGE: <.010 PER LINEAR INCH.
- SILKSCREEN TOP SIDE ONLY WITH WHITE EPOXY INK.
- SOLDERMASK: LPI SOLDERMASK BOTH SIDES. COLOR: GREEN REGISTRATION: ±.004 MAX.
- "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
- MANUFACTURE PER IPC-6012 CLASS 2.
- PLATING THICKNESS .002 ±.0005 FOR MET-01 AND MET-04.
- ARTWORK IS 1:1 VENDOR TO ADJUST FOR ETCH FACTOR.

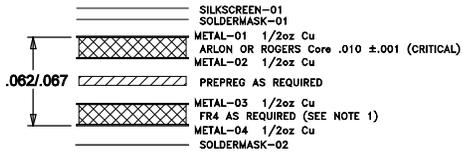
SPECIAL REQUIREMENTS:

- METAL-01: CRITICAL LINE WIDTH = .018 ±.001 ON METAL-01. ADJUST PROCESS TO ACHIEVE WIDTH. VENDOR TO VERIFY IMPEDANCE REQUIREMENTS.

VENDOR NOTES:

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

SIZE	QTY	SYM	PLATED	TOL
10	9	×	YES	+/-3
14	161	+	YES	+/-3
63	2	◇	YES	+/-3



LAYER STACKUP

XXXXXX
NEXT ASSY USED ON

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [mm]		DRAWN BY Y.AYDIN	DATE DRN 09/11/14	HITTITE MICROWAVE CORPORATION 20 Alpha Road Chelmsford, MA 01824	
DRAWING PRACTICES PER ASME Y14.100		CHECKED BY		TITLE PCB, EVAL	
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009		ENGINEER Y.ATESAL		SIZE B	CODE ID NO. 1CN88
TOLERANCES: .XX ± .01 .XXX ± .005 .XXXX ± .0020 ANGLES ± .5 DEG.		THIRD ANGLE PROJECTION 		DWG NO. 600-01221-00	REV 1
DO NOT SCALE DRAWING		SCALE: 1:1		WT:	SHEET: 1 OF 1

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