

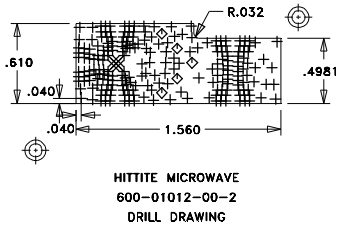
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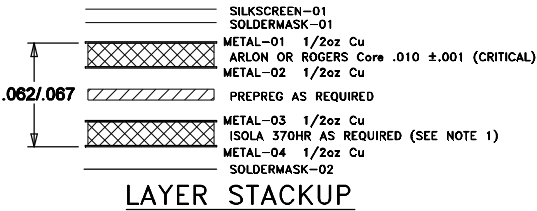
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REVISION				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	1	ENGINEERING RELEASE	11/19/13	Y.AYDIN
	2	CHANGED PER ECR-086163	03/14/19	M. DOGAN



SIZE	QTY	SYM	PLATED	TOL
10	5	✕	YES	+/-3
14	223	+	YES	+/-3
63	5	◇	YES	+/-3



NOTES:

UNLESS OTHERWISE SPECIFIED:

- MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ARLON 25FR OR ROGERS 4350B, HALF OUNCE COPPER ON EXTERNAL LAYERS. OVERPLATE TO 2.2 MIL. ISOLA 370HR 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.

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

UNLESS OTHERWISE SPECIFIED:		DRAWN BY M. DOGAN	DATE DRN 03/14/19	<div></div> <div>HITTITE MICROWAVE CORPORATION 20 Alpha Road Chelmsford, MA 01824</div>			
DIMENSIONS ARE IN INCHES [mm]		CHECKED BY T.KOLCUOGLU					
DRAWING PRACTICES PER ASME Y14.100		ENGINEER		TITLE PCB, EVAL			
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-2009							
TOLERANCES:		THIRD ANGLE PROJECTION					
.XX ± .01		<div></div> DO NOT SCALE DRAWING		SIZE B	CODE ID NO. 1CN88	DWG NO. 600-01012-00	REV 2
.XXX ± .005							
.XXXX ± .0020							
ANGLES ± .5 DEG.				SCALE: 1:1		WT:	SHEET: 1 OF 1

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NEXT ASSY	XXXXXX USED ON
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