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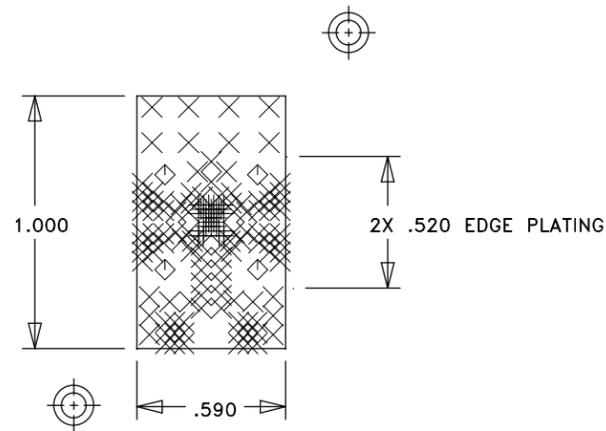
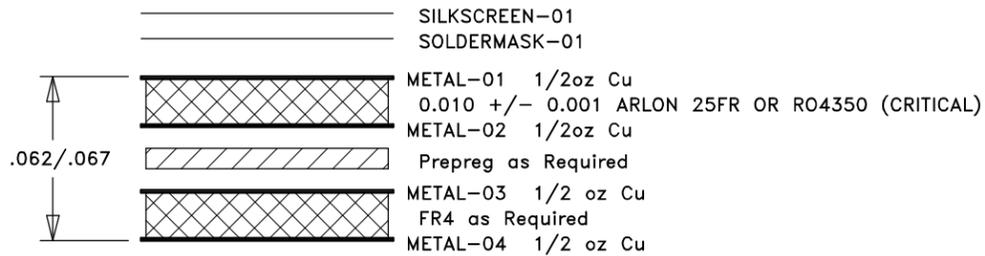
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| REVISION | | | | |
|----------|-----|---------------------|---------|----------|
| ZONE | LTR | DESCRIPTION | DATE | APPROVED |
| | 1 | ENGINEERING RELEASE | 2/10/09 | V. LY |



HITTITE MICROWAVE
PCB #125040-1
DRILL DRAWING

| SIZE | QTY | SYM | PLATED | TOL |
|------|-----|-----|--------|--------|
| 10 | 33 | + | YES | FILLED |
| 14 | 110 | X | YES | +/-3 |
| 78 | 4 | ◇ | YES | +/-3 |

NOTES:

MATERIALS AND TOLERANCES:

- MATERIAL: MULTILAYER. OVERALL STACKUP AS SHOWN. TYPE ROGERS 4350 OR ARLON 25FR, HALF OUNCE COPPER BOTH SIDES, TOPSIDE ONLY. FR4 TO BE USED AS FILLER TO MEET CRITICAL OVERALL THICKNESS.
- FINISH: GOLD PER ASTM B-488 TYPE III CODE A 8-40 MICROINCHES OVER NICKEL PER QQ-N-290 100 MICROINCHES MINIMUM.
- APPLY LPI SOLDERMASK TOP SIDE ONLY. COLOR: GREEN.
- SILKSCREEN TOP SIDE WITH WHITE NON-CONDUCTIVE INK.
- HOLES SIZE AND POSITIONS PER ARTWORK AND/OR DRILL FILE.
- TOLERANCE ON PCB ROUTE IS ± 0.005 ".
- ALL HOLES TO BE LOCATED WITHIN ± 0.003 " OF CENTER OF PAD OR OTHER TRUE POSITION.
- PLATED THRU HOLES .001" MINIMUM WALL THICKNESS.
- "SIZE" IN DRILL LEGEND IS IN MILS AND REFERS TO FINISHED HOLE SIZE.
- BOARD WARPAGE: < 0.010 " PER LINEAR INCH MAX.
- FRONT TO BACK REGISTRATION: ± 0.003 " MAX.
- PLATING THICKNESS $.002 \pm 0.0005$ FOR METAL-01 AND METAL-04.
- ARTWORK IS 1:1. VENDOR TO ADJUST FOR ETCH FACTOR.
- REMOVE METAL BURRS FROM EDGE OF PCB AFTER PANEL SEPERATION.
- MANUFACTURE PER IPC-600 CLASS 2

SPECIAL REQUIREMENTS:

- CRITICAL LINE WIDTH OF $.018$ " $\pm .001$ " ON METAL-01.
- EDGE PLATING MUST CONNECT ALL 4 METAL LAYERS.
- ALL .010 VIAS TO BE FILLED WITH NON-CONDUCTIVE VIA FILL AND OVERPLATED WITH CU BOTH SIDES.

PROPRIETARY TO HITTITE MICROWAVE CORPORATION

| | |
|-----------------------------------|--------------------------------|
| UNLESS OTHERWISE SPECIFIED: | DWN BY: V. LY 02/09/09 |
| DIMENSIONS ARE IN INCHES (MM) | ENGINEER: X. JIANG 02/10/09 |
| DRAWING PRACTICES PER MIL-STD-100 | |
| TOLERANCES: | |
| .XX +/- 0.010 | |
| .XXX +/- 0.005 | |
| .XXXX +/- 0.002 | |
| ANGLES +/- .5 DEG | |



HITTITE MICROWAVE CORPORATION
20 Alpha Road Chelmsford, MA 01824

TITLE

PCB, EVAL
HMC5099LC3B

| | | | |
|-------------|----------------------|-----------------------|--------------|
| SIZE A | CODE ID NO. 1CN88 | DRAWING NO. 125040 | REV 1 |
| SCALE: NONE | | WT | SHEET 1 of 1 |

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