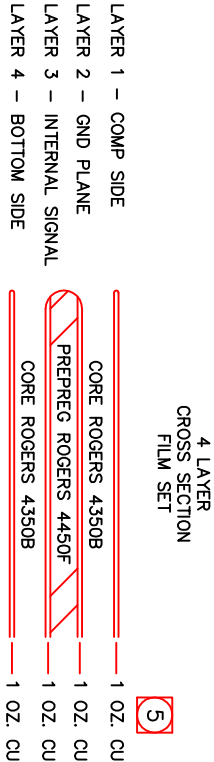


COMPONENT SIDE

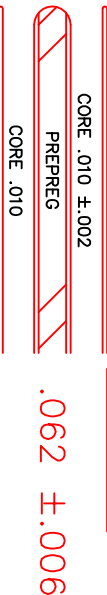
| REV | DESCRIPTION             | DCN | DATE    | BY/APPD |
|-----|-------------------------|-----|---------|---------|
| 1   | Update for new bnd matl |     | 2-14-12 | TAP/SO  |
| 2   | Modify solder mask      |     | 3-21-12 | KAK     |

NOTES UNLESS OTHERWISE SPECIFIED:

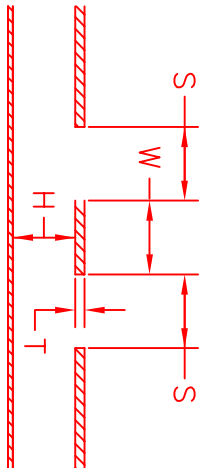
- FABRICATE IAW IPC-6012, CLASS 2, CURRENT REVISION.
- BOARD SHALL MEET THE INSPECTION CRITERIA OF IPC-A-600 CLASS 2, CURRENT REVISION.
- USE ARTWORK 1084112AW CURRENT REV.
- MATERIAL: CORE=ROGERS 4350B, PREPREG=ROGERS 4450F. RoHS COMPLIANT. SEE LAYER STACK-UP BELOW.
- FINISHED WEIGHT OF ALL COPPER LAYERS SHALL BE 1 OZ. PER SQUARE FOOT NOMINAL.
- DESMEAR HOLES AND VIAS.
- FINISH: ELECTROLESS NI IMMERSION AU (ENIG). GOLD PLATING THICKNESS TO BE BETWEEN 3 - 8 MICRONS.
- SILKSCREEN TOP SIDE WITH NONCONDUCTIVE EPOXY INK. COLOR SHALL BE A CONTRASTING INK WITH RESPECT TO SOLDERMASK COLOR. DISTORTION OF SILKSCREEN IS ACCEPTABLE OVER TRACES. REMOVE EPOXY INK FROM SOLDER LANDS.
- APPLY SOLDERMASK OVER BARE COPPER (SMOBC) IAW IPC-SM-840, TOP SIDE, USING LPI, COLOR CLEAR OR GREEN. SOLDERMASK OVER VIAS IS NOT ACCEPTABLE.
- TANGENCY IS ACCEPTABLE.
- REMOVAL OF NON-FUNCTIONAL PADS ON INTERNAL LAYERS IS ACCEPTABLE.
- SUPPLIER LOT NUMBER/DATE CODE (NO LOGO)SHALL ONLY BE SILKSCREENED WITH NON-CONDUCTIVE EPOXY INK IN APPROX. LOCATION SHOWN.
- CALCULATE IMPEDANCE USING GCPW MODEL. ADJUST RF TRACE WIDTH TO MEET 50 OHMS +/- 5%
- INCLUDE A GCPW 50OHM TEST COUPON.



4 LAYER  
CROSS SECTION  
DIMENSIONAL TOLERANCE

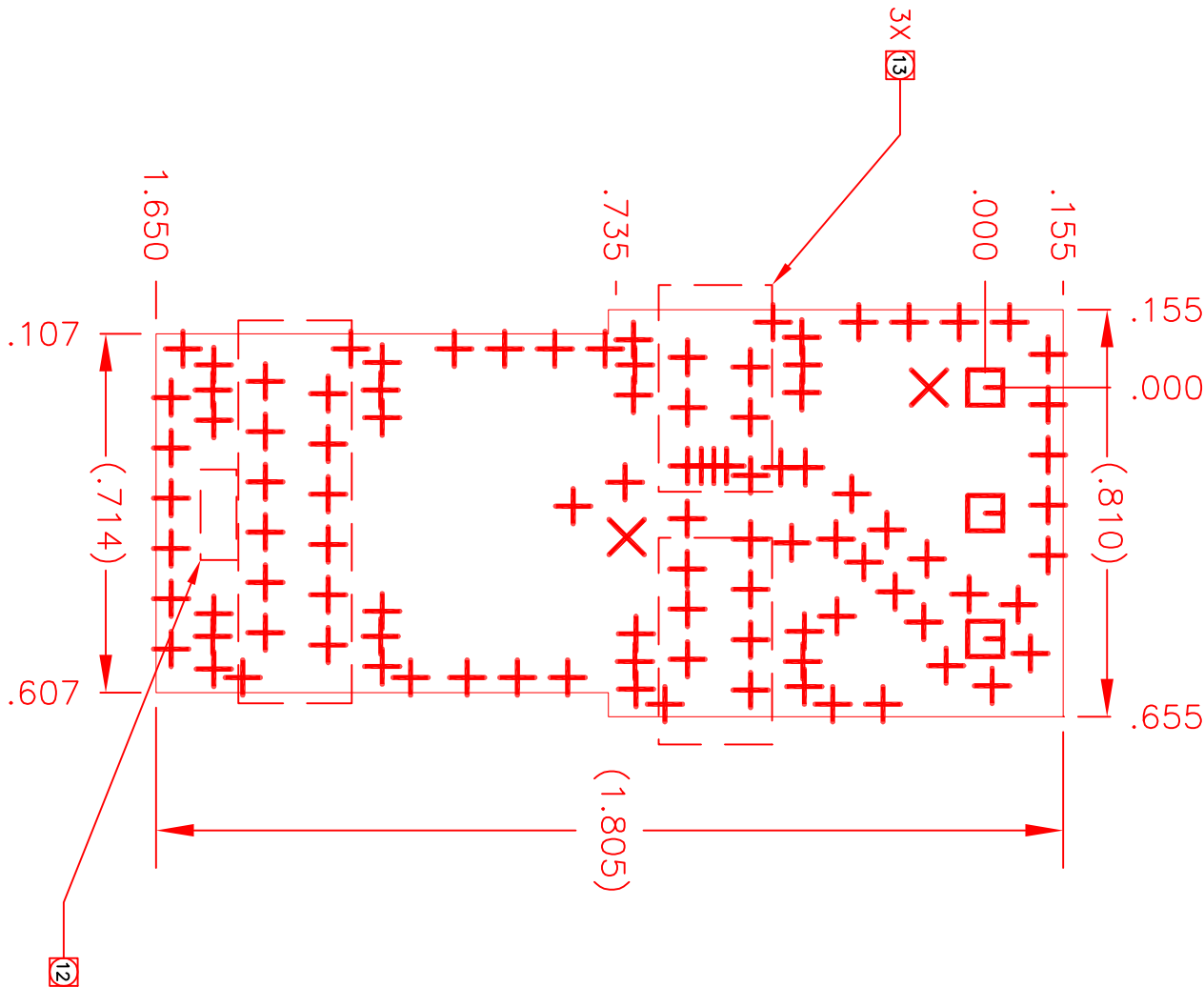


13 CALCULATE IMPEDANCE  
USING GCPW MODEL  
CROSS SECTION



W=20 MIL (NOMINAL), H=10 MIL (NOMINAL)  
T=1.4 MIL, S=32  
(ROGERS 4350B)

| HOLE SCHEDULE (ALL PLATED THRU DIAMETERS ARE AFTER PLATING) |                         |             |     |  |
|---|-------------------------|-------------|-----|--|
| SYM   | DESCRIPTION             | PLATED THRU | QTY |  |
| +   | Ø.010 +.003/--.010 THRU | YES         | 101 |  |
| X   | Ø.020 ±.003 THRU        | YES         | 2   |  |
| □   | Ø.055 ±.003 THRU        | YES         | 3   |  |



TiQuint SEMICONDUCTOR PROPRIETARY INFORMATION

| QTY PER DASH NO                                       |  | ITEM NO         | PART OR IDENT NO | CAGE CODE | NOMENCLATURE OR DESCRIPTION | SPEC/STD                                |
|---|--|-----------------|------------------|-----------|-----------------------------|---|
| PARTS LIST OR MATERIAL                                |  |                 |                  |           |                             |   |
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. |  |                 |                  |           |                             |   |
| 1X DEC ± .02 TOLERANCES UNLESS OTHERWISE SPECIFIED    |  |                 |                  |           |                             |   |
| 100X DEC ± .005 V ± .2° 0° ANGLES ± 0° 30°            |  |                 |                  |           |                             |   |
| MATERIAL:   |  |                 |                  |           |                             |   |
| 4   |  | DR T. Patterson |                  | 9-29-11   |                             | PRINTED CIRCUIT BOARD<br>TQP3M9036/9037 |
|   |  | CHK             |                  |           |                             |   |
|   |  | ENG C. Blum     |                  | 9-29-11   |                             |   |
|   |  | APR             |                  |           |                             |   |
|   |  | CONF NO.        |                  |           |                             |   |
| 7   |  | QA              |                  |           |                             | SIZE CAGE CODE<br>D 14482 1084112PC     |
|   |  | TR              |                  |           |                             |   |
|   |  | CONF NO.        |                  |           |                             | SCALE NONE W/O NO.                      |
|   |  |                 |                  |           |                             | SHEET 1 OF 1                            |

A

B

C

D

A

B

C

D

1084112PC