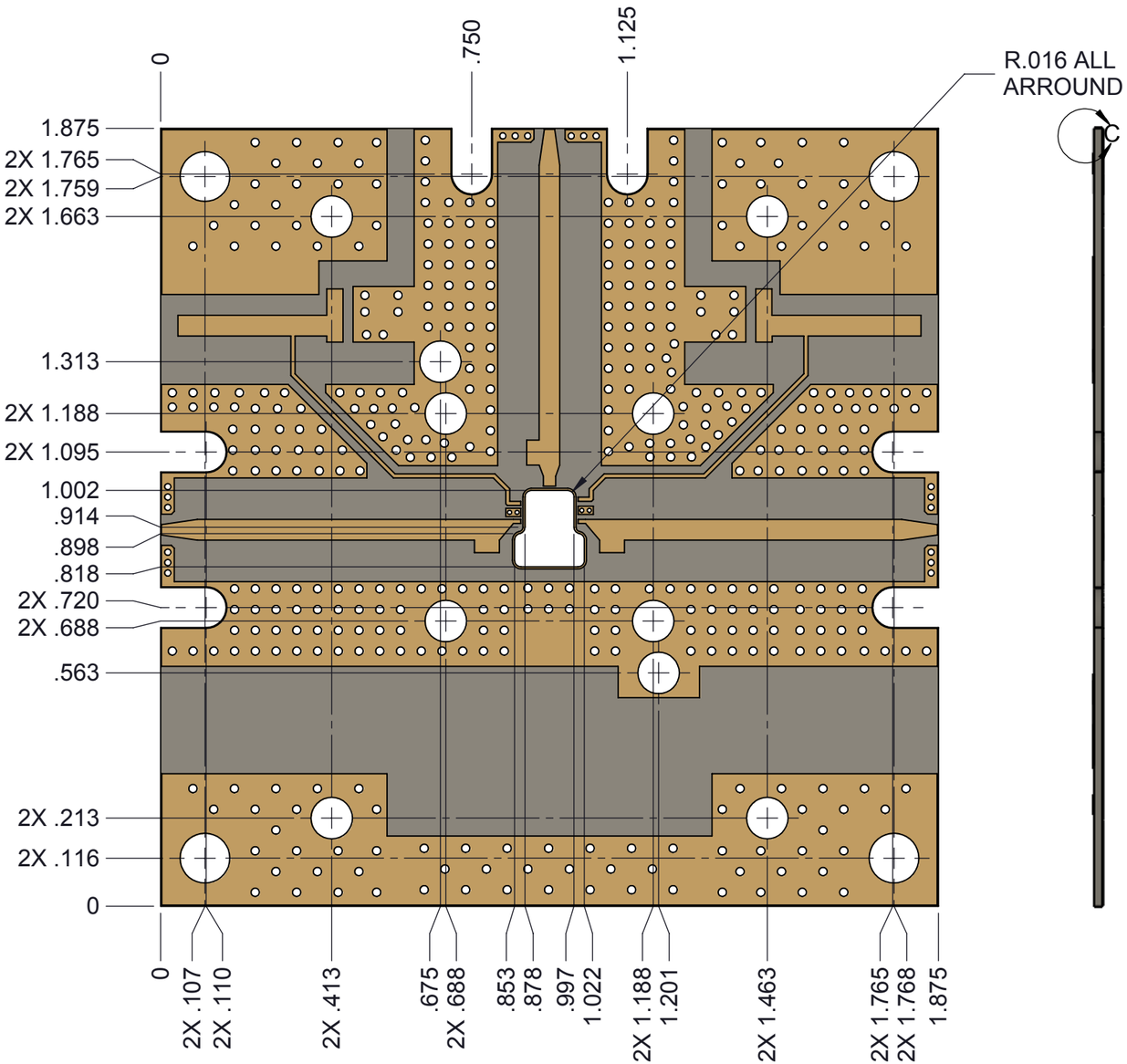
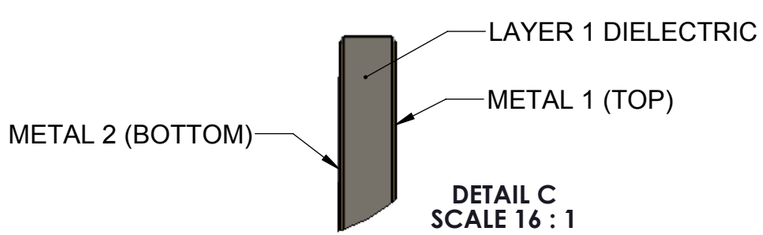



**METAL 1 (TOP)**




**DETAIL C**
**SCALE 16 : 1**

| REVISION HISTORY | | | | |
|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | APPROVAL |

NOTES UNLESS OTHERWISE SPECIFIED.

1. MATERIAL:
   A. SUBSTRATE: ROGERS RT6202, 0.020 THICK
   B. MET1 AND MET2: 1 OZ. COPPER PER LAYER
   C. SOLDERMASK: BLACK TAIYO PSR-4000, TOP SIDE ONLY WHERE INDICATED
   D. SILKSCREEN: WHITE

2. UNLESS SPECIFIED OTHERWISE, TOLERANCES ARE:
   A. PCB OUTLINE AND CUTOUT ±.003

3. BURRS SHALL NOT EXCEED .002.

4. COPPER IS PULLED BACK .002 ON MET1 AND MET2 FROM EDGE OF PCB.

5. MET1 (TOP METAL) FEATURES TO BE WITHIN 0.002 OF CAD DATABASE.

6. ALL VIAS TO BE LOCATED WITHIN ±.002 OF CAD DATABASE.

7. FABRICATE IN ACCORDANCE WITH IPC-6012 CLASS2.

8. INSPECT TO IPC-600 CLASS 2 (CURRENT REVISION).

9. BAG AND TAG PART SEPARATELY.

10. COPPER PLATING SPECIFICATIONS FOR METAL 1 AND METAL 2
    A. FINAL TOP METAL CU THICKNESS TO BE .0028 ± .0006.
    B. FINAL BOTTOM METAL Cu THICKNESS TO BE .0028 ± .0006.

11. PLATING
    METAL 1 AND METAL 2:
    A. COPPER PLATE SHALL BE .0028 ±.0004 FINISH THICKNESS. VIAS WALLS SHALL BE PLATED .0007 MIN.
    B. NICKEL PLATE PER QQ-N-290, CLASS 1, GRADE G, 200u-in MIN (5um MIN)
    C. GOLD PLATE PER ASTM B 488, TYPE III, CODE A, CLASS 1, 5uin MIN (.127um MIN)
    D. SELECTIVE GOLD PLATE PER ASTM B 488, TYPE III, CODE A, CLASS 1, 50uin MIN (1.27 um MIN)

12. FLATNESS AT COIN AREA TO BE FLUSH -0.000 TO +0.0014 PROTRUSION.

13. COPPER COIN APERTURE TO BE EDGE PLATTED. METAL 1 AND METAL 2 TO BE PLATED COMPLETELY ALONG COPPER APERTURE EDGE

14. COPPER COIN MATERIAL:
    OXYGEN FREE HIGH CONDUCTIVITY COPPER UWS CDA 101, 102, OR 103, ASTM B187, ASTM B152.

15. FLATNESS AT COIN AREA TO BE FLUSH TO METAL 1 WITHIN +0.001/-0.001.

16. PLATING BETWEEN COPPER COIN AND METAL 1 & METAL 2 TO BE CONTINUOUS, (UNINTERRUPTED).

17. TOP OF COPPER COIN TO BE PLATED TO METAL 1. BOTTOM OF COIN TO BE PLATED TO METAL 2.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [mm]

TOLERANCES
X.XX = ±.01
X.XXX = ±.005
X.XXXX = ±.0010
ANGLES = 0.5°

INTERPRET DRAWING PER ANSI/ASME Y14.5 - 2009

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

PRODUCT: TGS2355

PROJECT:

| APPROVAL AND RELEASE RECORDS MAINTAINED IN PDM | | DATE |
|---|---|---|
| DESIGNER | TMONTIERTH | 4/13/2015 |
| ENGR. | R.SANTHAKUMAR | 4/13/2015 |
| MFG. | | |
| MANAGER | | |
| Q.A. | | |
| CAGE CODE | 1CVM1 | |



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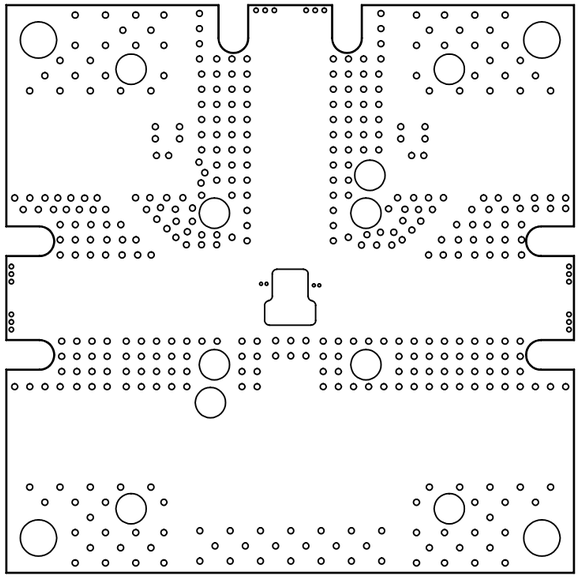
TITLE:
# TGS2355 EVAL BOARD, PRINTED CIRCUIT BOARD

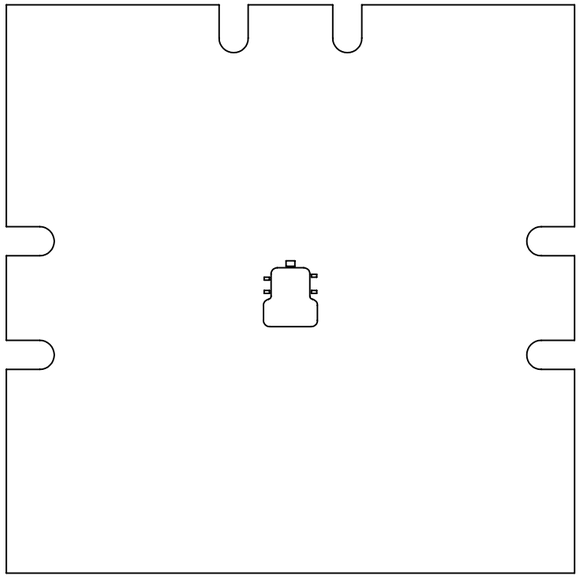
| SIZE | DWG. NO. | REV. |
|---|---|---|
| B | AD1_1127937 | A |

SCALE NTS | SHEET 1 OF 3

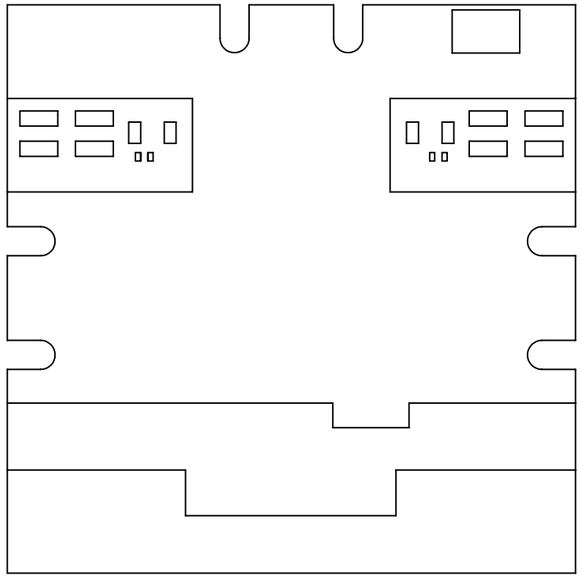
C:\Projects\3173_PCB_TGA2355_RSanthakumar_021115\Library\



**METAL 2 (BOTTOM)**



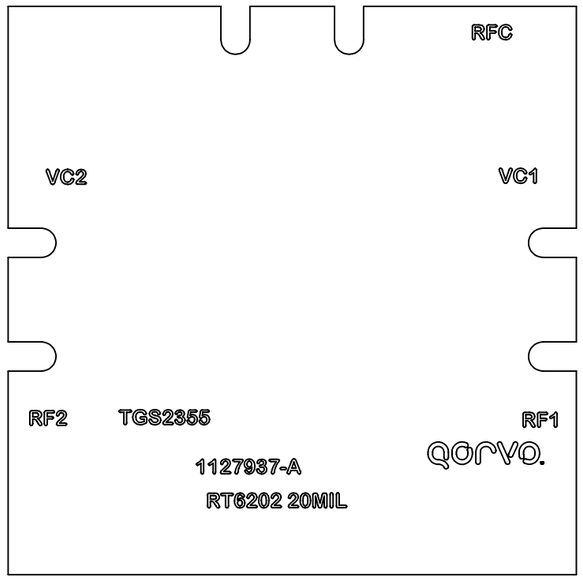
**SELECT GOLD**



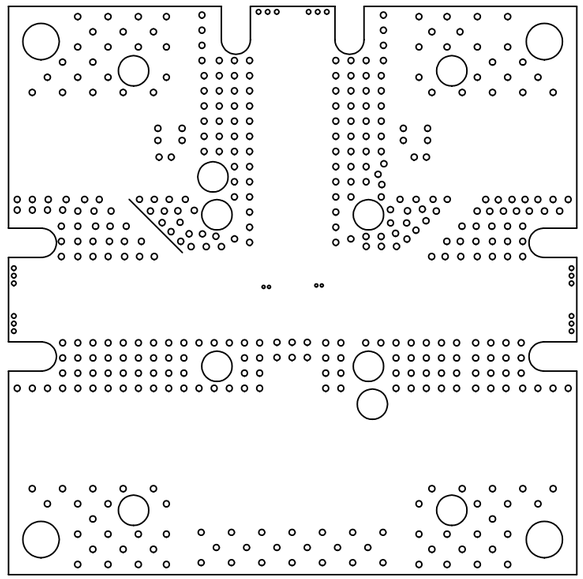
**SOLDERMASK TOP**



| SIZE | DWG. NO. | REV. |
|---|---|---|
| B | AD1_1127937 | A |
| SCALE NTS | SHEET 2 OF 3 | |




**SILKSCREEN TOP**



**DRILL**

| DRILL TABLE | | | |
|---|---|---|---|
| SYMBOL | SIZE | QTY | DESCRIPTION |
| ◦ | ∅.010 | 4 | PTH |
| ◦ | ∅.015 | 18 | PTH |
| ◦ | ∅.020 | 418 | PTH |
| ◯ | ∅.100 | 10 | PTH |
| ◯ | ∅.120 | 4 | PTH |



| SIZE | DWG. NO. | REV. |
|---|---|---|
| B | AD1_1127937 | A |
| SCALE NTS | SHEET 3 OF 3 | |