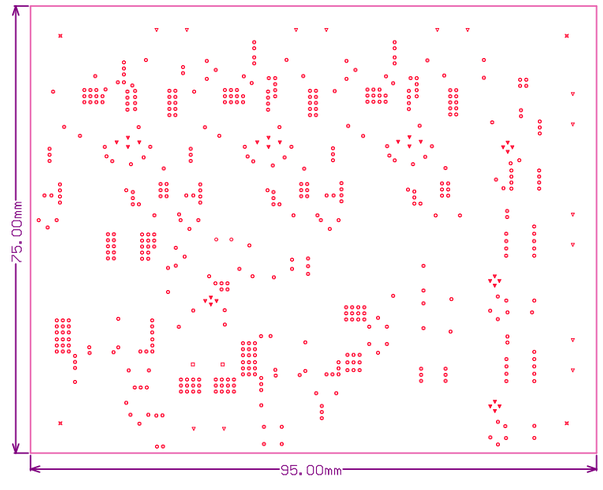
| Layer | Name | Material | Thickness | Constant | Board Layer Stack |
|---|---|---|---|---|---|
| 1 | Top Overlay | | | | |
| 2 | Top Solder | Solder Resist | 0.40mil | 3.5 | |
| 3 | Top Layer | Copper | 2.80mil | | |
| 4 | Dielectric1 | FR-4 High Tg | 8.00mil | 4.8 | |
| 5 | GND | Copper | 2.80mil | | |
| 6 | Dielectric 2 | FR-4 High Tg | 35.00mil | 4.2 | |
| 7 | PWR | Copper | 2.80mil | | |
| 8 | Dielectric 3 | FR-4 High Tg | 8.00mil | 4.2 | |
| 9 | Bottom Layer | Copper | 2.80mil | | |
| 10 | Bottom Solder | Solder Resist | 0.40mil | 3.5 | |
| 11 | Bottom Overlay | | | | |

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
95MM X 75MM
Number of Layers : 4
MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 7.7 MIL
MIN. VIA PAD SIZE: 19.69 MIL
MINIMUM ANNULAR RING 0.15mm (5.91MIL) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- 5 MIL, HOLES +/- 3 MIL
IMPEDENCE CONTROLLED BOARD:NO

MATERIAL:
[ ] FR-408 [X] FR-4 High Tg [ ] OTHER
THICKNESS: [X] 63 MIL (1.6mm) +/-10% [ ] OTHER
TOLERANCE: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/-
BOW & TWIST: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/-
DRILLING:
REFERENCE: [X] AS SHOWN [X] NC_DRILL FILES
PTH MIN COPPER THICKNESS: [X] 1MIL [ ] OTHER
BOARD FINISH:
SILKSCREEN: [X] TOP [ ] BOTTOM
SILKSCREEN COLOR: [X] WHITE [ ] OTHER
SOLDER RESIST COLOR:
[X] GREEN [ ] BLUE [ ] OTHER
SURFACE FINISH: [X] IMMERSION GOLD (ENIG) [ ] ENEPIG
[ ] IMM. TIN/SILVER OR EQUIV [ ] OTHER
ARRAY/PANEL: [ ] CUT AND TRIM PER MECH LAYER 1
[ ] N.C. ROUTE [X] V. SCORE
CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBS TO MEET OR EXCEED THE REQUIREMENTS OF:
[X] ANSI IPC-A-600F CLASS -> [ ] 1 [X] 2 [ ] 3
[X] UL 94V-0 [X] RoHS [ ] OTHER PER ORDER
ADDITIONAL REQUIREMENTS:
MICROSECTION: [ ] YES
BARE BOARD ELEC. TEST: [ ] NONE [X] REQUIRED [ ] PER ORDER
MANUFACTURER'S UL: [ ] RAIL [ ] METAL [X] SILK
VIA'S TO BE TENTED: Refer Note




| Symbol | Count | Hole Size | Plated | Hole Type |
|---|---|---|---|---|
| □ | 2 | 33.46mil (0.850mm) | PTH | Round |
| ○ | 2 | 40.00mil (1.016mm) | PTH | Round |
| ⊠ | 4 | 125.98mil (3.200mm) | PTH | Round |
| ▽ | 14 | 49.21mil (1.250mm) | PTH | Round |
| ▼ | 28 | 7.87mil (0.200mm) | PTH | Round |
| ⌖ | 492 | 15.00mil (0.381mm) | PTH | Round |
| | 542 Total | | | |

DRILL TABLE
FOR 7.87MIL DRILL +0/-7.87MIL
FOR 15MIL DRILL +0/-15MIL
FOR PTH DRILL +/-3MIL

Note:
All Vias are Tented except Thermal Vias.

1000.00mil

| | | | |
|---|---|---|---|
| ALL ARTWORK VIEWED FROM TOP SIDE | BOARD #: TIDA-01466 | REV: E1 | SVN REV: Not In VersionControl |
| LAYER NAME = Drill Drawing | TID #: TIDA-01466 | | |
| PLOT NAME = Fabrication Drawing | GENERATED : 8/4/2017 9:55:58 AM | TEXAS INSTRUMENTS | |

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TEXAS INSTRUMENTS

PROJECT TITLE: Ultrasound Front End Low Voltage Power Supply
DESIGNED FOR: Public Release
FILE NAME: TIDA-01466_PCB.PcbDoc

| ENGINEER: | LAYOUT BY: |
|---|---|
| Leni Skariah | Akshay Labhe |
| SCALE: 1.00 | ALTIUM DESIGNER VERSION: 16.1.12.290 |