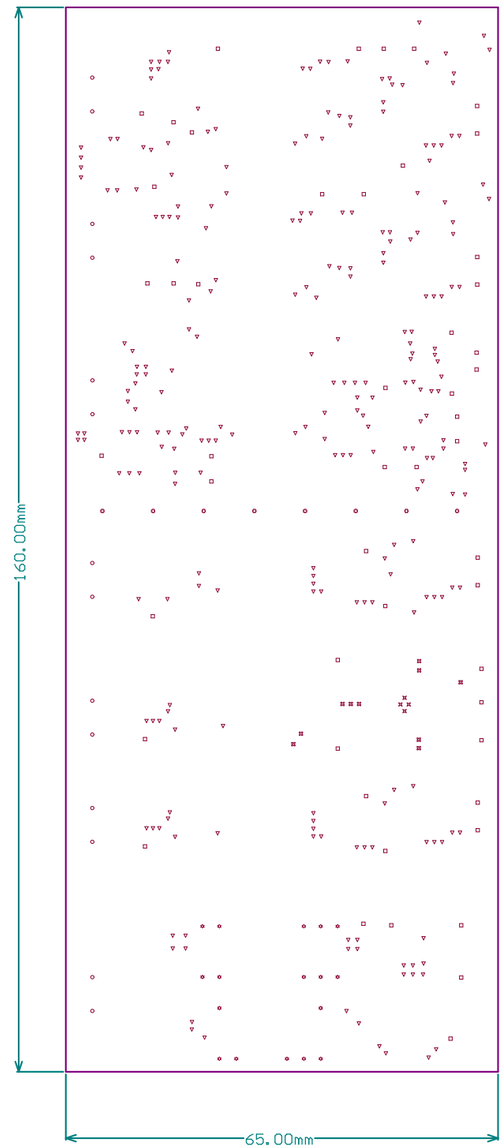

| Layer | Name | Material | Thickness | Constant | Board Layer Stack |
|---|---|---|---|---|---|
| 1 | Top Overlay | | | | |
| 2 | Top Solder | Solder Resist | 0.40mil | 3.5 | |
| 3 | Top Layer | Copper | 1.40mil | | |
| 4 | Dielectric 1 | FR-4 High Tg | 8.00mil | 4.2 | |
| 5 | GND Layer | Copper | 1.40mil | | |
| 6 | Dielectric 2 | FR-4 High Tg | 40.00mil | 4.2 | |
| 7 | PWR Layer | Copper | 1.40mil | | |
| 8 | Dielectric 3 | FR-4 High Tg | 8.00mil | 4.2 | |
| 9 | Bottom Layer | Copper | 1.40mil | | |
| 10 | Bottom Solder | Solder Resist | 0.40mil | 3.5 | |
| 11 | Bottom Overlay | | | | |

| Symbol | Count | Hole Size | Plated | Hole Type |
|---|---|---|---|---|
| ⊠ | 4 | 0.200mm (7.87mil) | PTH | Round |
| ⯐ | 8 | 0.813mm (32.00mil) | NPTH | Slot |
| ⊠ | 10 | 0.406mm (16.00mil) | PTH | Round |
| ○ | 14 | 1.250mm (49.21mil) | PTH | Round |
| ✡ | 17 | 0.900mm (35.43mil) | PTH | Round |
| □ | 51 | 1.016mm (40.00mil) | PTH | Round |
| ▽ | 261 | 0.305mm (12.00mil) | PTH | Round |
| | 365 Total | | | |

**Slot definitions :** **Routed Path Length** = Calculated from tool start centre position to tool end centre position.
**Hole Length** = Routed Path Length + Tool Size = Slot length as defined in the PCB layout

Drill Table
FOR 12MIL DRILL +0/-12MIL
FOR 16MIL DRILL +0/-16MIL
FOR PTH DRILL +/-3MIL
FOR NPTH DRILL +/-2MIL

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
65MM X 160MM

Number of Layers : 4
MIN. TRACK WIDTH: 10 MIL
MIN. CLEARANCE: 6 MIL
MIN. VIA DRILL SIZE: 12 MIL
MINIMUM ANNULAR RING 6 MIL ( 0.1524 mm) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- 5 MIL, HOLES +/- 3 MIL

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 +/-
COPPER THICKNESS (FINISHED):
OUTER: [X] 1.4MIL (1oz) [ ] 2MIL (1.4oz) [ ] 2.8MIL (2oz)
INNER SIGNAL: [X] 1.4MIL (1oz) [ ] 2.8MIL (2oz) [ ] N/A
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: [X] CUT AND TRIM PER MECH LAYER 1
[ ] N.C. ROUTE [ ] 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: VIA TENTING: YES [ ] NO [X]
MICROSECTION: [ ] YES IMPEDANCE CONTROL: YES [ ] NO [X]
BARE BOARD ELEC. TEST: [ ] NONE [X] REQUIRED [ ] PER ORDER
MANUFACTURER'S UL: [ ] RAIL [ ] METAL [X] SILK

TEXAS INSTRUMENTS

PROJECT TITLE: TIDA-00300_ISO_Comm_PS
DESIGNED FOR: Public Release
FILE NAME: TIDA-00300_ISO_Comm_PS.PcbDoc

| | | | |
|---|---|---|---|
| ALL ARTWORK VIEWED FROM TOP SIDE | BOARD #:TIDA-00300_ISO_Comm_PS | REV: E2 | SVN REV: Not In VersionControl |
| LAYER NAME = Drill Drawing | TID #: 00300 | | |
| PLOT NAME =Fabrication Drawing | GENERATED : 8/6/2019 10:32:07 AM | TEXAS INSTRUMENTS | |

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| | |
|---|---|
| ENGINEER: Sreenivasa | LAYOUT BY: Avinash N |
| SCALE: 1.12 | ALTIUM DESIGNER VERSION: 18.1.9.240 |