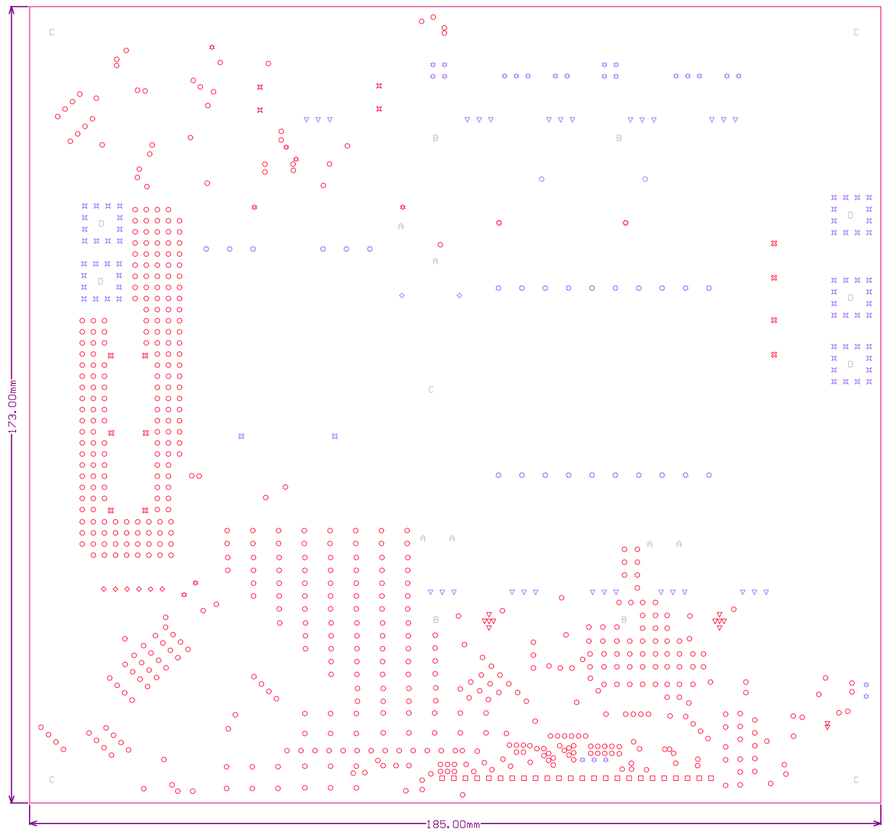

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.5	
3	Top Layer	Copper	2.8mil		
4	Dielectric1	FR-4 High Tg	59.20mil	4.8	
5	Bottom Layer	Copper	2.8mil		
6	Bottom Solder	Solder Resist	0.40mil	3.5	
7	Bottom Overlay				

Symbol	Hit Count	Tool Size	Physical Length	Rout Path Length	Plated	Hole Type
▽	12	7.874mil (0.2mm)			PTH	Round
○	621	15mil (0.381mm)			PTH	Round
✡	7	16mil (0.406mm)			PTH	Round
◇	2	31mil (0.787mm)			PTH	Round
⌘	4	33.465mil (0.85mm)			PTH	Round
A	4	37mil (0.94mm)			PTH	Round
✪	2	39.37mil (1mm)			PTH	Round
✡	23	40mil (1.016mm)			PTH	Round
□	24	40.157mil (1.02mm)			PTH	Round
◇	6	40.945mil (1.04mm)			PTH	Round
○	2	41.339mil (1.05mm)			PTH	Round
⊠	10	43.307mil (1.1mm)			PTH	Round
A	2	51mil (1.295mm)			PTH	Round
▽	30	51.181mil (1.3mm)			PTH	Round
⌘	60	58.071mil (1.475mm)			PTH	Round
○	26	62.992mil (1.6mm)			PTH	Round
B	4	98.425mil (2.5mm)			PTH	Round
C	5	125.984mil (3.2mm)			PTH	Round
D	5	208.661mil (5.3mm)			NPTH	Round
⊠	2	62.992mil (1.6mm)	236.22mil (6mm)	173.228mil (4.4mm)	PTH	Slot
	851 Total					

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

Drill Table

FOR 7.874MIL DRILL +0/-7.874MIL
FOR 15MIL DRILL +0/-15MIL
FOR 16MIL DRILL +0/-16MIL
FOR PTH DRILL +/-3MIL
FOR NPTH DRILL +/-2MIL

1000.00mil

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
185MM X 173MM
Number of Layers : 2
MIN. TRACK WIDTH: 10 MIL
MIN. CLEARANCE: 5.9 MIL
MIN. VIA PAD SIZE: 19.69 MIL
MINIMUM ANNULAR RING 7.335MIL 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 [X] 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: YES

TEXAS INSTRUMENTS

PROJECT TITLE: 2kW Power Stage
DESIGNED FOR: Public Release
FILE NAME: TIDA-00951.PcbDoc
ENGINEER: Ramkumar S
LAYOUT BY: Avinash N
SCALE: 1.00
ALTIUM DESIGNER VERSION: 16.0.9.368

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00951	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Drill Drawing	TID #: TIDA-00951		
PLOT NAME = Fabrication Drawing	GENERATED : 5/10/2017 8:10:16 PM	TEXAS INSTRUMENTS	

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