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A

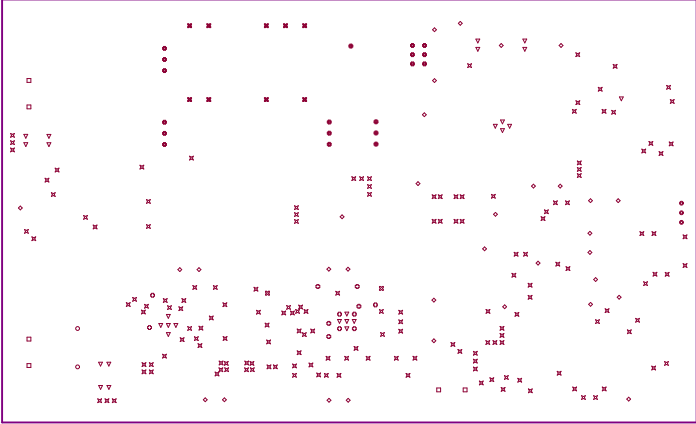
B

C

D

92.00mm

56.00mm



1000.00mil

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.30mil	3.5	
3	Top Layer	Copper	1.40mil		
4	Dielectric1	FR-4 High Tg	15.00mil	4.5	
5	GND Layer	Copper	1.40mil		
6	Dielectric 2	FR-4 High Tg	28.00mil	4.5	
7	PWR Layer	Copper	1.40mil		
8	Dielectric 3	FR-4 High Tg	15.00mil	4.5	
9	Bottom Layer	Copper	1.40mil		
10	Bottom Solder	Solder Resist	0.30mil	3.5	
11	Bottom Overlay				

Symbol	Count	Hole Size	Plated	Hole Type	Hole Length
▽	27	7.87mil (0.200mm)	PTH	Round	-
⊕	12	8.00mil (0.203mm)	PTH	Round	-
⊗	165	12.00mil (0.305mm)	PTH	Round	-
⊕	19	16.00mil (0.406mm)	PTH	Round	-
⊗	2	20.00mil (0.508mm)	PTH	Round	-
⊙	3	33.47mil (0.850mm)	PTH	Round	-
◇	33	40.00mil (1.016mm)	PTH	Round	-
□	6	43.31mil (1.100mm)	PTH	Round	-
○	2	47.00mil (1.194mm)	PTH	Round	-
⊗	9	49.21mil (1.250mm)	PTH	Round	-
	278 Total				

Drill Table

FOR 7.874MIL DRILL +0/-7.874MIL
FOR 8MIL DRILL +0/-8MIL
FOR 10MIL DRILL +0/-10MIL
FOR 12MIL DRILL +0/-12MIL
FOR 16MIL DRILL +0/-16MIL
FOR PTH DRILL +/-3MIL
FOR NPTH DRILL +/-2MIL

ALL ARTWORK VIEWED FROM TOP SIDE

BOARD #:TIDA-00300_ISO_AFE-Power+Protection REV: E1

SUN REV: Not In VersionControl

TEXAS INSTRUMENTS

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PROJECT TITLE:
TIDA-00300_ISO_AFE-Power+Protection

DESIGNED FOR:
Public Release

FILE NAME:
TIDA-00300_ISO_AFE-Power+Protection.PcbDoc

ENGINEER:
Greenivasa

LAYOUT BY:
Avinash N

SCALE: 1.00

ALTUM DESIGNER VERSION:
18.1.9.240

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
92MM X 56MM

Number of Layers : 4
MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 8 MIL
MIN. VIA DRILL SIZE: 7.874 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 FR-4 High Tg OTHER
THICKNESS: 63 MIL (1.6mm) +/-10% OTHER
TOLERANCE: ANSI IPC-6012 TYPE 3 CLASS 2
OTHER +/-
BOW & TWIST: ANSI IPC-6012 TYPE 3 CLASS 2
OTHER +/-

COPPER THICKNESS (FINISHED):
OUTER: 1.4MIL (1oz) 2MIL (1.4oz) 2.8MIL (2oz)
INNER SIGNAL: 1.4MIL (1oz) 2.8MIL (2oz) N/A

DRILLING:
REFERENCE: AS SHOWN NC_DRILL FILES
PTH MIN COPPER THICKNESS: 1MIL OTHER

BOARD FINISH:
SILKSCREEN: TOP BOTTOM
SILKSCREEN COLOR: WHITE OTHER
SOLDER RESIST COLOR:
GREEN BLUE OTHER

SURFACE FINISH: IMERSION GOLD (ENIG) ENEPIG
IMM. TIN/SILVER OR EQUIV OTHER

ARRAY/PANEL: 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:
ANSI IPC-A-600F CLASS -> 1 2 3
UL 94V-0 RoHS OTHER PER ORDER

ADDITIONAL REQUIREMENTS: VIA TENTING: YES NO
MICROSECTION: YES IMPEDANCE CONTROL: YES NO
BARE BOARD ELEC. TEST: NONE REQUIRED PER ORDER
MANUFACTURER'S UL: RAIL METAL SILK

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