

Layer Stack Up Detail for: TIDA-00499			
Layer Name	Series	Copper Thickness	Dielectric Name/ID
Top Solder Mask	(.075)		Solder Resist
Top Layer	(.075)	1.4mil	FR4
Bottom Layer	(.075)	1.4mil	
Bottom Solder Mask	(.085)		Solder Resist

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)  
2200MIL X 5300MIL

Number of Layers : 2  
MIN. TRACK WIDTH: 8 MIL  
MIN. CLEARANCE: 7.87MIL  
MIN. VIA PAD SIZE: 32 MIL  
MINIMUM ANNULAR RING 0.186mm (7.345MIL) 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 FR4  
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: ☒ IMMERSION GOLD (ENIG) ☐ ENERP  
☐ IMM. TIN/SILVER OR EQUIV ☐ OTHER

ARRAY/PANEL: ☐ CUT AND TRM 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: ☐ RAL ☐ METAL ☒ SILK

Drill Drawing

Symbol	Hit Count	Tool Size	Plated	Hole Type
□	97	16mil (0.406mm)	PTH	Round
○	20	20mil (0.508mm)	PTH	Round
▽	2	40mil (1.016mm)	PTH	Round
×	12	44mil (1.118mm)	PTH	Round
*	10	49.213mil (1.25mm)	PTH	Round
◇	8	62mil (1.575mm)	PTH	Round
⊗	32	67mil (1.702mm)	PTH	Round
◊	5	128mil (3.251mm)	NPTH	Round
186 Total				

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



PROJECT TITLE:  
AFE Transient Capture

DESIGNED FOR:  
Public Release

FILE NAME:  
TIDA-00499\_E2.PcbDoc

ENGINEER:  
Sreenivas

LAYOUT BY:  
Anur adha

SCALE: 0.72

ALUM DESIGNER VERSION:  
10.0.0.22084

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00499	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Drill Drawing			
PLOT NAME = Fabrication Drawing	GENERATED : 9/1/2015 1:50:16 PM	TEXAS INSTRUMENTS	

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