

Layer Stack Up Detail for: TID#-00203.PcbDoc			
Layer Name	Series Description (G.BT5)	Copper Thickness	Electroless Nickel Plating Solder Resist
Top Solder Mask	(G.BT5)		
Top LAYER	(G.BT1)	1.4mil	FR-4
L2, 2ND-PLANE	(G.B2)	1.4mil	FR-4
L3, 3RD-PLANE	(G.B2)	1.4mil	FR-4
BOTTOM LAYER	(G.BB1)	1.4mil	FR-4
Bottom Solder Mask	(G.BB5)		Solder Resist

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)

2000MIL X 3000MIL

Number of Layers : 4

MIN. TRACK WIDTH: 4 MIL

MIN. CLEARANCE: 4 MIL

MIN. VIA PAD SIZE: 18 MIL

MINIMUM ANNUAL RING Q127mm (5MIL) 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 (1.4oz) ☐ N/A

DRILLING:

REFERENCE: ☒ AS SHOWN ☒ NC DRILL FILES

PTH MIN COPPER THICKNESS: ☒ 1MIL ☐ OTHER

BOARD FINISH:

SLKSCREEN: ☒ TOP ☒ BOTTOM

SLKSCREEN COLOR: ☒ WHITE ☐ OTHER

SOLDER RESIST COLOR:

☒ GREEN ☐ BLUE ☐ OTHER

SURFACE FINISH: ☒ IMMERSION GOLD (ENG) ☐ ENIG

☐ 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:

MICROSECTION: ☒ YES ☐ NO VIA TENTING: ☒ YES ☐ NO

BARE BOARD ELEC. TEST: ☐ NONE ☐ REQUIRED ☐ PER ORDER

MANUFACTURER'S UL: ☐ RAL ☐ METAL ☐ SLK

 TEXAS INSTRUMENTS	
PROJECT TITLE: CAN-to-Ethernet Converter	
DESIGNED FOR: Public Release	
FILE NAME: TIDA-00203_PcbDoc	
ENGINEER: Sanjay	LAYOUT BY:
SCALE: 0, 67	ALTIM DESIGNER VERSION: 10, 0, 0, 27009

LAYER	TRACE WIDTH	SPACING	IMPEDANCE	REFERENCE LAYER
TOP	10 MIL	8 MIL	90 OHM +/-10%	L2_GND-PLANE
TOP	7 MIL	16 MIL	100 OHM +/-10%	L2_GND-PLANE
BOTTOM	7 MIL	16 MIL	100 OHM +/-10%	L3_PWR-PLANE