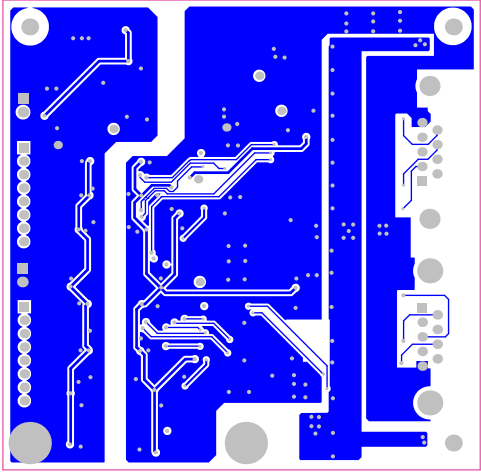
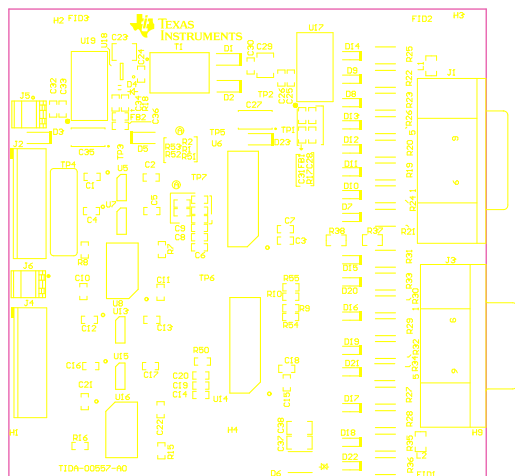


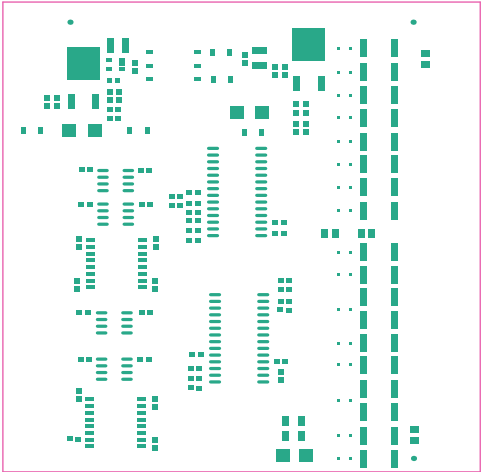
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00557	REV: A0	SUN REV: Not In VersionControl
LAYER NAME = Top Layer			
PLOT NAME = Top Layer	GENERATED : 5/25/2015 6:42:23 PM	TEXAS INSTRUMENTS	



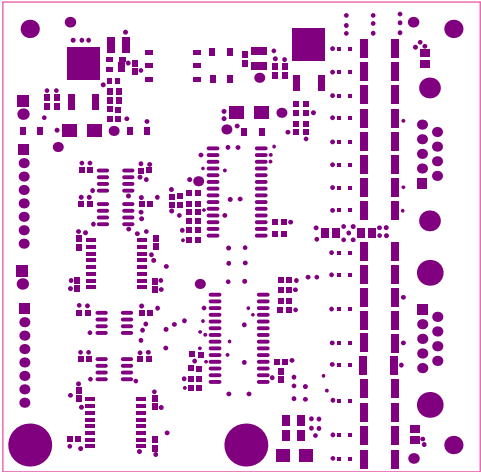
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LAYER NAME = Bottom Layer			
PLOT NAME = Bottom Layer	GENERATED : 5/25/2015 6:42:24 PM	TEXAS INSTRUMENTS	



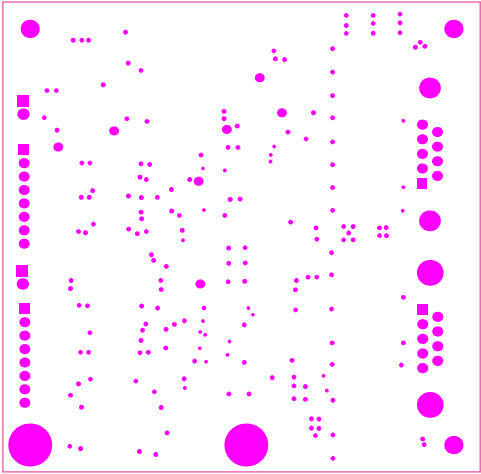
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00557	REV: A0	SUN REV: Not In VersionControl
LAYER NAME = Top Overlay			
PLOT NAME = Top Silkscreen Overlay	GENERATED : 5/25/2015 6:42:24 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00557	REV: A0	SVN REV: Not In VersionControl
LAYER NAME = Top Paste			
PLOT NAME = Top Paste Mask Print	GENERATED : 5/25/2015 6:42:25 PM	TEXAS INSTRUMENTS	

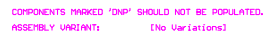


ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00557	REV: A0	SVN REV: Not In VersionControl
LAYER NAME = Top Solder			
PLOT NAME = Top Solder Mask Print	GENERATED : 5/25/2015 6:42:26 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00557	REV: A0	SVN REV: Not In VersionControl
LAYER NAME = Bottom Solder			
PLOT NAME = Bottom Solder Mask Print	GENERATED : 5/25/2015 6:42:26 PM	TEXAS INSTRUMENTS	

224 ■ These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.



PCB VIEWED FROM TOP SIDE		BOMRD #: T10A-00957	REV: A0	SUN REV: Not In VersionControl
LAYER NAME: Assembly_top				
PLOT NAME = MS Assembly_Top		GENERATED : 5/25/2015 6:42:27 PM		TEXAS INSTRUMENTS



COMPONENTS MARKED 'DNP' SHOULD NOT BE POPULATED.
ASSEMBLY VARIANTS (No Variations)

PCB VIEWED FROM BOTTOM SIDE	BOARD # : TIDA-00227	REV: A0	SWN REV: Not In VersionControl
PLOT NAME = ME Assembly Bottom		GENERATED : 2\28\2012 6:42:22 PM	
PCB VIEWED FROM BOTTOM SIDE		REV: A0	
PLOT NAME = ME Assembly Bottom		SWN REV: Not In VersionControl	

Layer Stack Up Detail for: TIDA-00557.PcbDoc			
Layer	Berber	Copper	Solder
Order	Thickness	Thickness	Resist
Top Solder Mask	(.015)		Solder Resist
Top Layer	(.016)	1.4mil	FR-408
Bottom Layer	(.016)	1.4mil	FR-408
Bottom Solder Mask	(.015)		Solder Resist

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)

3556MIL X 3500MIL

Number of Layers : 2

MIN. TRACK WIDTH: 10 MIL

MIN. CLEARANCE: 8 MIL

MIN. VIA PAD SIZE: 24 MIL

MINIMUM ANNULAR RING: 6MIL EXTERNAL

PER IPC-D-275 CLASS 2 LEVEL C

REGISTRATION TOLERANCES: METAL +/- .5_MIL HOLES +/- .3_MIL

IMPEDANCE CONTROLLED NO

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: ☒ IMMERSION GOLD (ENIG) ☐ ENERP

☐ MM. 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 VIA TENCING: YES ☐ NO ☒

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

MANUFACTURER'S UL: ☐ RAIL ☐ METAL ☒ SILK



PROJECT TITLE: Full Modem Control with RS-232

DESIGNED FOR: Public Release

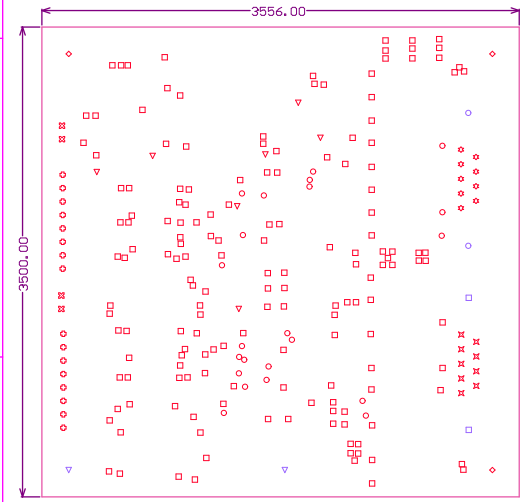
FILE NAME: TIDA-00557

ENGINEER: SUNIL DHIVEDI LAYOUT BY: Manjunatha T N

SCALE: 1.00 ALTIM DESIGNER VERSION: 10.0.0.27009

Symbol	Hit Count	Tool Size	Plated	Hole Type
o	22	12mil (.305mm)	PTH	Round
□	163	16mil (.406mm)	PTH	Round
▽	7	40mil (1.016mm)	PTH	Round
x	9	43mil (1.092mm)	PTH	Round
o	16	43.307mil (1.1mm)	PTH	Round
⊗	4	44mil (1.118mm)	PTH	Round
*	9	46mil (1.168mm)	PTH	Round
□	2	120.079mil (3.05mm)	PTH	Round
o	2	125mil (3.175mm)	PTH	Round
▽	2	125.984mil (3.2mm)	PTH	Round
◇	3	125.984mil (3.2mm)	NPTH	Round
239 Total				

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



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00557	REV: A0	SUN REV: Not In Version Control
LAYER NAME = Drill Drawing			
PLOT NAME = Drill Drawing For (Bottom Layer) DATE: 5/25/2015 6:42:28 PM	TEXAS INSTRUMENTS		

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