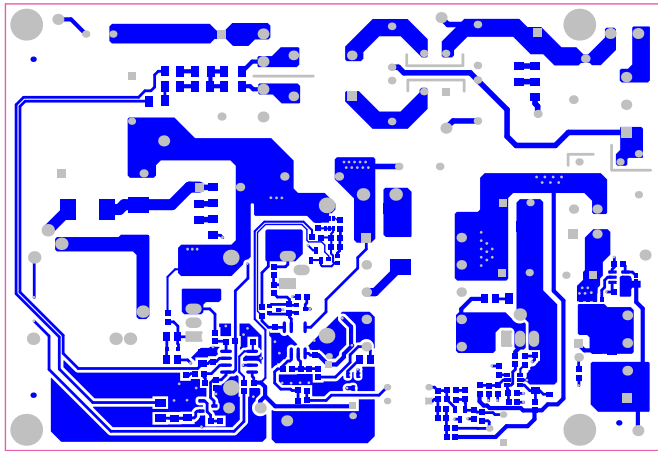
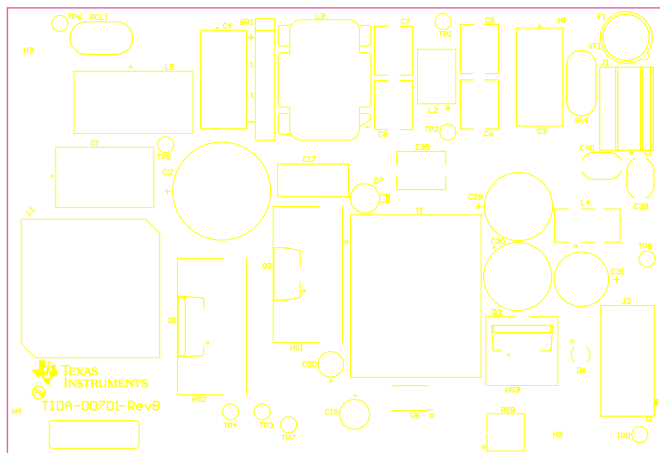


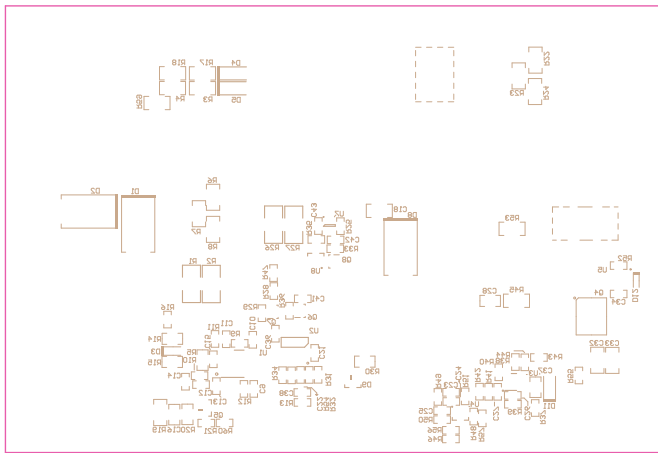
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00701	REV: RevB	SUN REV: Not In VersionControl
LAYER NAME = Top Layer			
PLOT NAME = Top Layer	GENERATED : 11/24/2015 3:14:29 PM	TEXAS INSTRUMENTS	



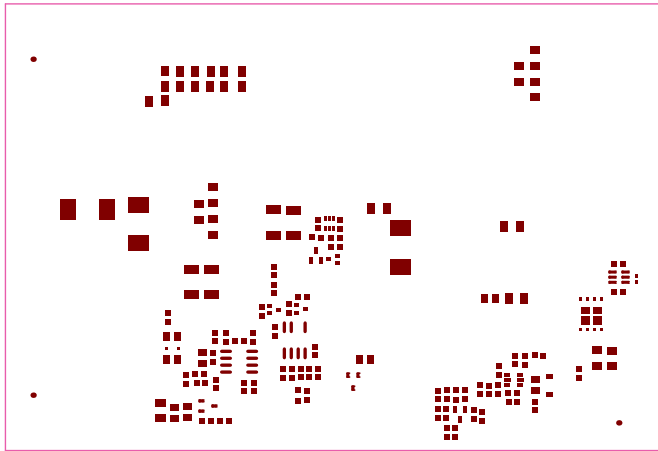
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00701	REV: RevB	SUN REV: Not In VersionControl
LAYER NAME = Bottom Layer			
PLOT NAME = Bottom Layer	GENERATED : 11/24/2015 3:14:30 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00701	REV: RevB	SUN REV: Not In VersionControl
LAYER NAME = Top Overlay			
PLOT NAME = Top Silkscreen Overlay	GENERATED : 11/24/2015 3:14:30 PM	TEXAS INSTRUMENTS	



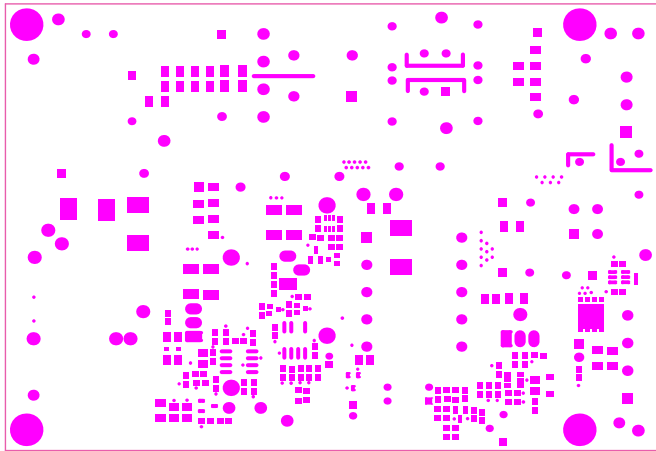
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00701	REV: RevB	SUN REV: Not In VersionControl
LAYER NAME = Bottom Overlay			
PLOT NAME = Bottom Silkscreen Overlay	GENERATED : 11/24/2015 3:14:31 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00701	REV: RevB	SUN REV: Not In VersionControl
LAYER NAME = Bottom Paste			
PLOT NAME = Bottom Paste Mask Print	GENERATED : 11/24/2015 3:14:31 PM	TEXAS INSTRUMENTS	

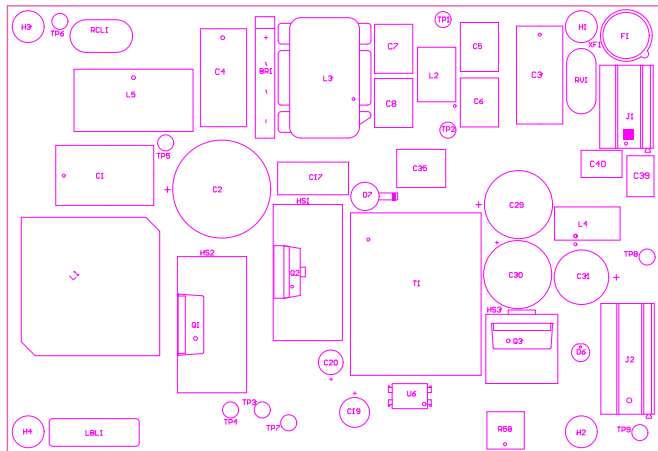


ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00701	REV: RevB	SUN REV: Not In VersionControl
LAYER NAME = Top Solder			
PLOT NAME = Top Solder Mask Print	GENERATED : 11/24/2015 3:14:32 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00701	REV: RevB	SUN REV: Not In VersionControl
LAYER NAME = Bottom Solder			
PLOT NAME = Bottom Solder Mask Print	GENERATED : 11/24/2015 3:14:32 PM	TEXAS INSTRUMENTS	

Z21 ■ Install label in silkscreened box after final wash. Text shall be 8 pt font. Text shall be per the Label Table in the PDF schematic.
 Z22 ■ These assemblies are ESD sensitive, ESD precautions shall be observed.
 Z23 ■ These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.
 Z24 ■ These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

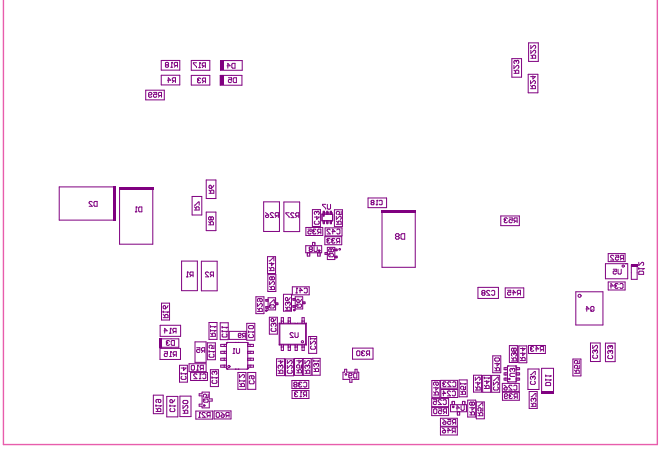


COMPONENTS MARKED 'DNP' SHOULD NOT BE POPULATED.
 ASSEMBLY VARIANT: [No Variations]

PCB VIEWED FROM TOP SIDE	BOARD #: TIDA-00701	REV: RevB	SUN REV: Not In VersionControl
IGNORE -> M5 Assembly Top			
PLOT NAME = M5 Assembly Top	GENERATED : 11/24/2015 3:14:33 PM	TEXAS INSTRUMENTS	

PLOT NAME = M6 Assembly Bottom		GENERATED : 11\24\2018 3:14:33 PM	TEXAS INSTRUMENTS
IGNORE -> M6 Assembly Bottom		REV: RevB	SUN REV: Not In VersionControl
PCB VIEWED FROM BOTTOM SIDE		BOARD #: TIDA-00701	

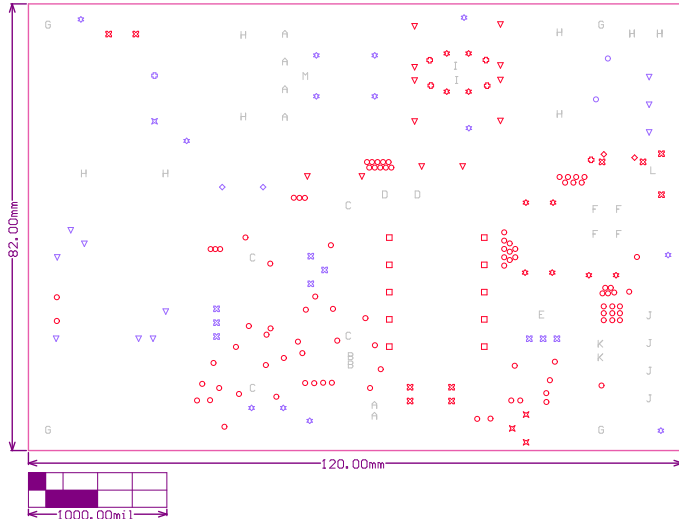
ASSEMBLY VARIANT: (No Variants)
COMPONENTS MARKED 'DNP,' SHOULD NOT BE POPULATED.



Symbol	Hit Count	Tool Size	Physical Length	Rout Path Length	Plated	Hole Type
o	92	12mil (<0.305mm)			PTH	Round
B	2	27.559mil (0.7mm)			PTH	Round
x	3	28.11mil (0.714mm)			PTH	Round
A	2	29.528mil (0.75mm)			PTH	Round
o	1	32mil (0.813mm)			PTH	Round
x	1	32.008mil (0.813mm)			PTH	Round
z	10	33.465mil (0.85mm)			PTH	Round
*	10	33.622mil (0.854mm)			PTH	Round
v	12	35.433mil (0.9mm)			PTH	Round
K	2	35.984mil (0.914mm)			PTH	Round
H	10	39.37mil (1mm)			PTH	Round
*	13	40mil (1.016mm)			PTH	Round
o	2	41.496mil (1.054mm)			PTH	Round
o	2	43.307mil (1.1mm)			PTH	Round
F	4	47.244mil (1.2mm)			PTH	Round
o	10	49.213mil (1.25mm)			PTH	Round
z	9	50mil (1.27mm)			PTH	Round
J	4	51.181mil (1.3mm)			PTH	Round
v	10	52mil (1.321mm)			PTH	Round
A	4	59.055mil (1.5mm)			PTH	Round
D	2	61.024mil (1.55mm)			PTH	Round
E	1	70.094mil (1.78mm)			PTH	Round
C	4	92.913mil (2.36mm)			PTH	Round
G	4	125mil (3.175mm)			PTH	Round
o	5	20mil (0.508mm)	100mil (2.54mm)	80mil (2.032mm)	NPTH	Slot
o	2	20mil (0.508mm)	200mil (5.08mm)	180mil (4.572mm)	NPTH	Slot
L	1	20mil (0.508mm)	300mil (7.62mm)	280mil (7.112mm)	NPTH	Slot
I	2	20mil (0.508mm)	425mil (10.795mm)	405mil (10.287mm)	NPTH	Slot
M	1	20mil (0.508mm)	450mil (11.43mm)	430mil (10.922mm)	NPTH	Slot
225 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 12MIL DRILL +/-12MIL
FOR PTH DRILL +/-3MIL
FOR NPTH DRILL +/-2MIL



Layer Name	Order	Material	Thickness	Dielectric Constant	Dielectric Type
Top Solder Mask	<GTS>	0.4mil			Solder Resist 3.50
Top Layer	<GTL>	2.8mil			
Bottom Layer	<GBL>	2.8mil	59.2mil	FR-4 High Tg	4.80 Core
Bottom Solder Mask	<GBS>	0.4mil			Solder Resist 3.50

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
120 MM X 82 MM

Number of Layers : 2
MIN. TRACK WIDTH: 10 MIL
MIN. CLEARANCE: 8 MIL
MIN. VIA DRILL SIZE: 12 MIL

MINIMUM ANNULAR RING 0.111mm (4.39 MIL) 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: IMMERSION GOLD (ENG) ENERP
 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: RAL METAL SILK



PROJECT TITLE:
100W NEC Class-2, DN Rail Industrial Power Supply

DESIGNED FOR:
Public Release

FILE NAME:
TIDA-00701_RevB.PcbDoc

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00701	REV: RevB	SUN REV: Not In Version Control
LAYER NAME = Drill Drawing			
PLOT NAME = Drill Drawing For (Bottom Layer) (Bottom Layer)	DATE: 11/24/2015	TIME: 3:14:34 PM	TEXAS INSTRUMENTS

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ENGINEER: Latif Ameer	LAYOUT BY: Manjunatha T N
SCALE: 0.72	ALTIM DESIGNER VERSION: 14.3.14.34663

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