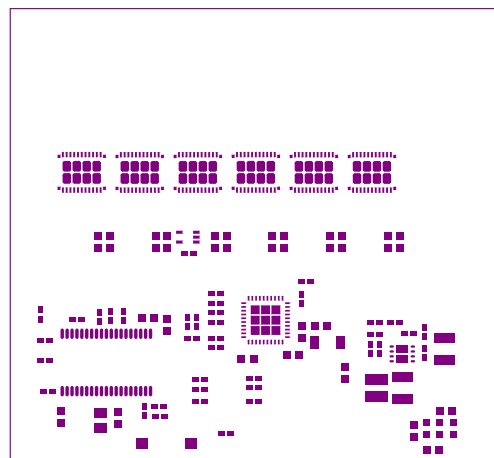
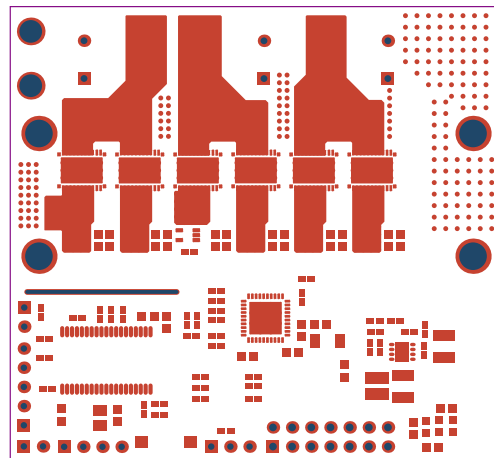


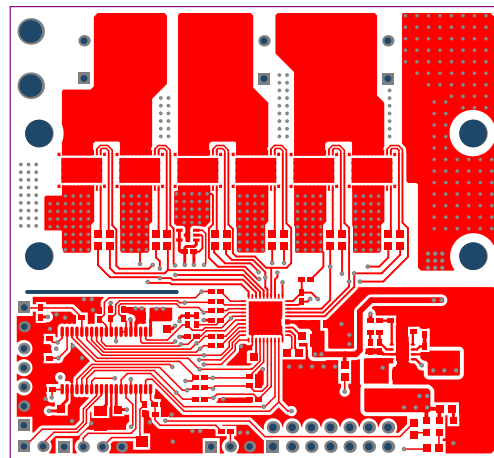
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Top Overlay	TID #: 00774		
Top Overlay	GENERATED : 3/22/2017 4:47:23 PM	TEXAS INSTRUMENTS	



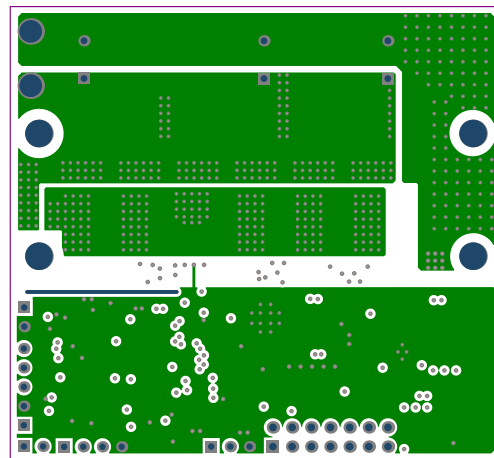
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Top Board Outline	TID #: 00774		
Top Paste	GENERATED : 3/22/2017 4:47:23 PM	TEXAS INSTRUMENTS	



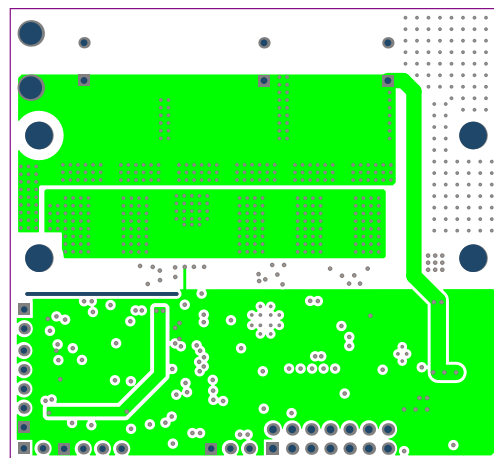
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Top Solder	TID #: 00774		
Top Solder Mask	GENERATED : 3/22/2017 4:47:24 PM	TEXAS INSTRUMENTS	



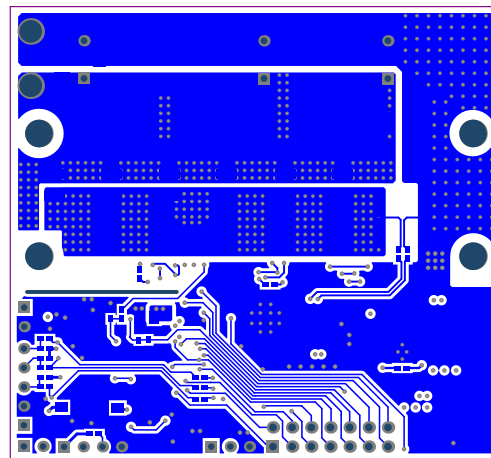
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Top Layer	TID #: 00774		
Top Layer	GENERATED : 3/22/2017 4:47:24 PM	TEXAS INSTRUMENTS	



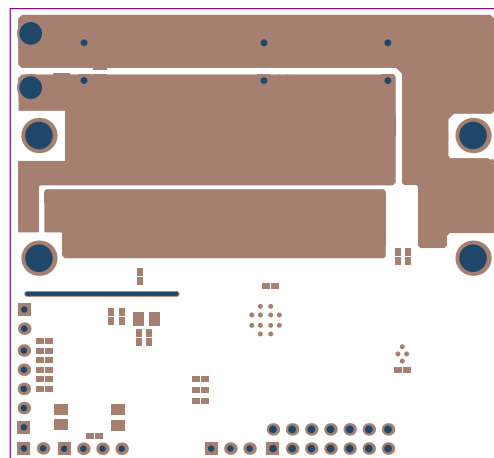
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = GND	TID #: 00774		
GND	GENERATED : 3/22/2017 4:47:24 PM	TEXAS INSTRUMENTS	



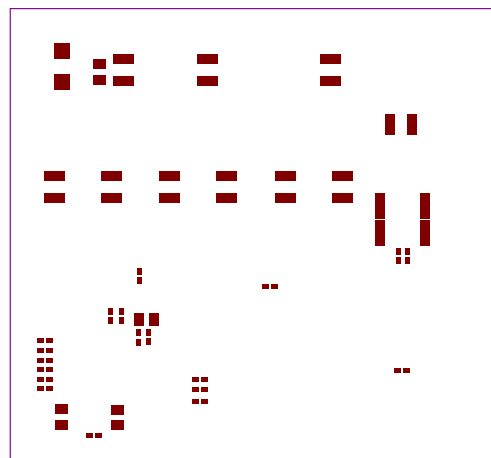
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = PWR	TID #: 00774		
PWR	GENERATED : 3/22/2017 4:47:24 PM	TEXAS INSTRUMENTS	



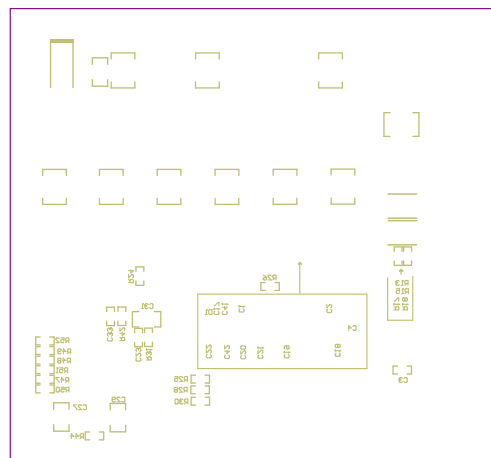
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Bottom Layer	TID #: 00774		
Bottom Layer	GENERATED : 3/22/2017 4:47:24 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Bottom Solder	TID #: 00774		
Bottom Solder Mask	GENERATED : 3/22/2017 4:47:24 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Bottom Paste Outline	TID #: 00774		
Bottom Paste	GENERATED : 3/22/2017 4:47:24 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Bottom Overlay	TID #: 00774		
Bottom Overlay	GENERATED : 3/22/2017	4:47:25 PM	TEXAS INSTRUMENTS

Layer Name	Server Document	Copper Thickness	Dielectric Material
Top Solder Mask	(.GTS)		Solder Resist
Top Layer	(.GTL)	2.8mil	FR-4 High Tg
GND	(.G2)	2.8mil	FR-4 High Tg
Bottom Layer	(.GBL)	2.8mil	FR-4 High Tg
Bottom Solder Mask	(.GBS)		Solder Resist

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
65mm X 60mm

Number of Layers : 4
 MIN. TRACK WIDTH: 8 MIL
 MIN. CLEARANCE: 7.7 MIL
 MIN. VIA DRILL SIZE: 7.87 MIL

MINIMUM ANNULAR RING 5.91 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 (ENIG) ENEPIG
 IMM. TIN/SILVER OR EQUIV OTHER _____

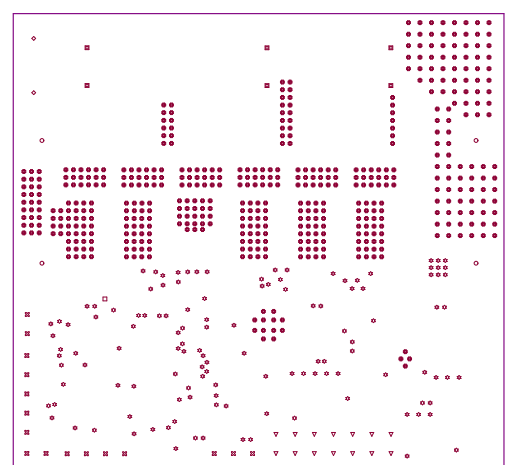
ARRAY/PANEL: CUT AND TRIM PER MECH LAYER 1
 N.C. ROUTE V. SCORE

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

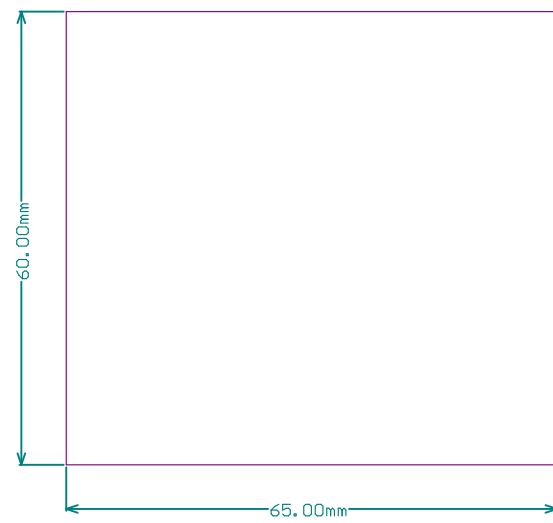
Symbol	Count	Hole Size	Hole Length	Routed Path Length	Plated	Hole Type
□	1	20.00mil (0.508mm)	800.00mil (20.320mm)	780.00mil (19.812mm)	NPTH	Slot
◇	2	118.11mil (3.000mm)	-	-	PTH	Round
○	4	143.86mil (3.654mm)	-	-	NPTH	Round
■	6	35.43mil (0.900mm)	-	-	PTH	Round
▽	14	40.00mil (1.016mm)	-	-	PTH	Round
⊗	16	33.46mil (0.850mm)	-	-	PTH	Round
☆	125	12.00mil (0.305mm)	-	-	PTH	Round
⊕	491	7.87mil (0.200mm)	-	-	PTH	Round
	659 Total					

Slot definitions : Routed Path Length = Calculated from tool start centre position to tool end centre position.
 Hole Length = Routed Path Length + Tool Size = Slot length as defined in the PCB layout



Drill Table
 FOR 7.874MIL DRILL +0/-7.874MIL
 FOR 12MIL DRILL +0/-12MIL
 FOR PTH DRILL +/-3MIL
 FOR NPTH DRILL +/-2MIL
 NOTE :
 Only 12 mil vias are tented , others are not tented.

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl	Texas Instruments (TI) and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. TI and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. TI and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.	ENGINEER: Manu Balakrishnan	LAYOUT BY: Avinash N
LAYER NAME = Drill Drawing	TID #: 00774	GENERATED : 3/22/2017 4:47:25 PM			SCALE: 1.00	ALTIM DESIGNER VERSION: 16.1.11.255
Drill Drawing	TEXAS INSTRUMENTS					



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00774	REV: E2	SUN REV: Not In VersionControl
LAYER NAME =	TID #: 00774		
Board Dimensions	GENERATED : 3/22/2017 4:47:27 PM	TEXAS INSTRUMENTS	

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