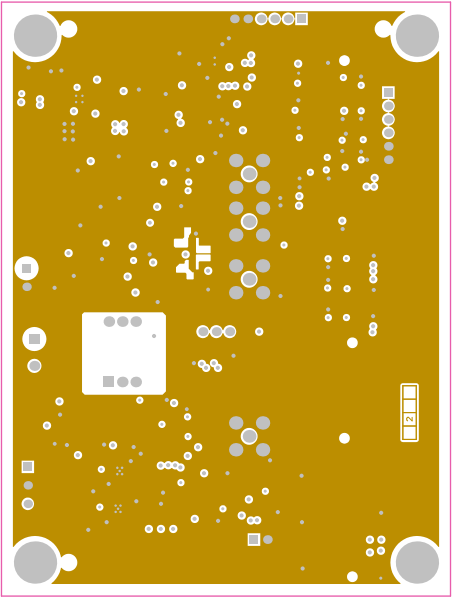
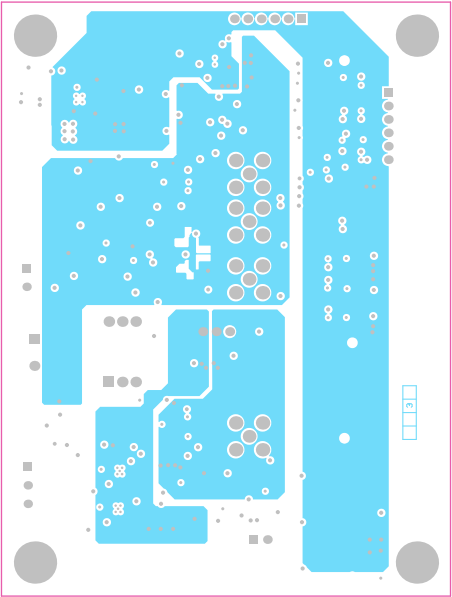


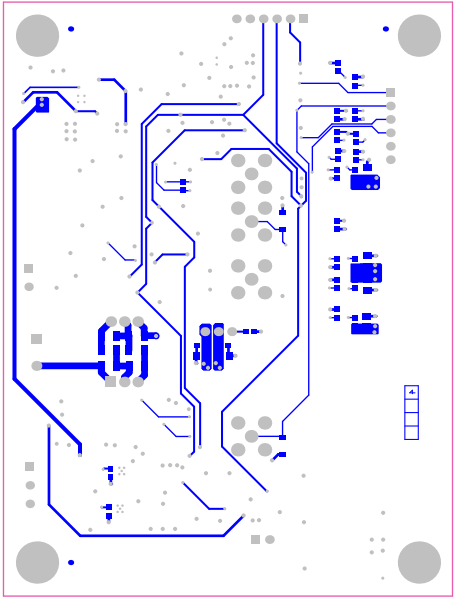
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Top Layer			
Top Layer	GENERATED : 6/12/2015 4:45:42 PM		TEXAS INSTRUMENTS



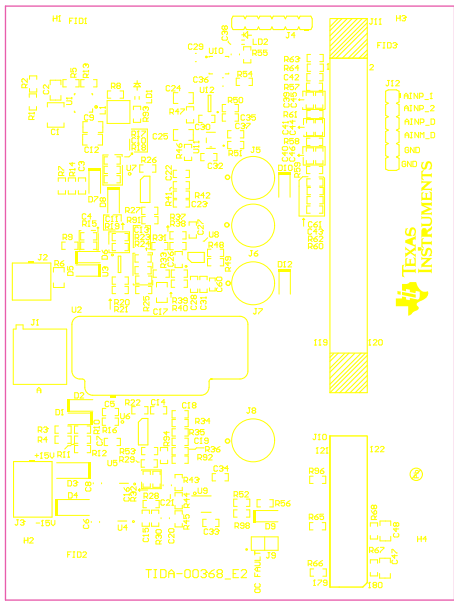
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = LI_GND			
LI_GND	GENERATED : 6/12/2015 4:45:43 PM	TEXAS INSTRUMENTS	



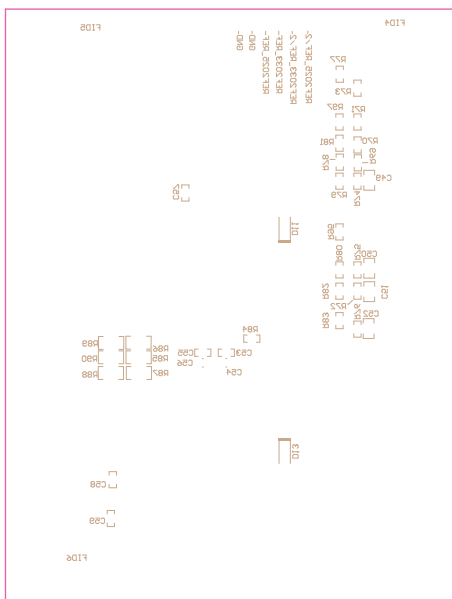
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = L2_POWER			
L2_POWER	GENERATED : 6/12/2015	4:45:43 PM	TEXAS INSTRUMENTS



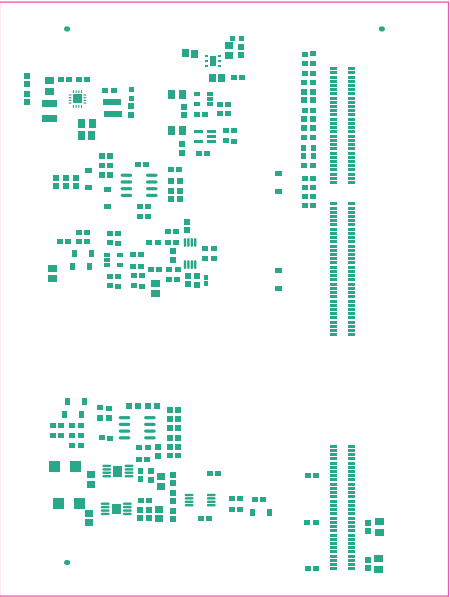
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Bottom Layer			
Bottom Layer	GENERATED : 6/12/2015 4:45:43 PM	TEXAS INSTRUMENTS	



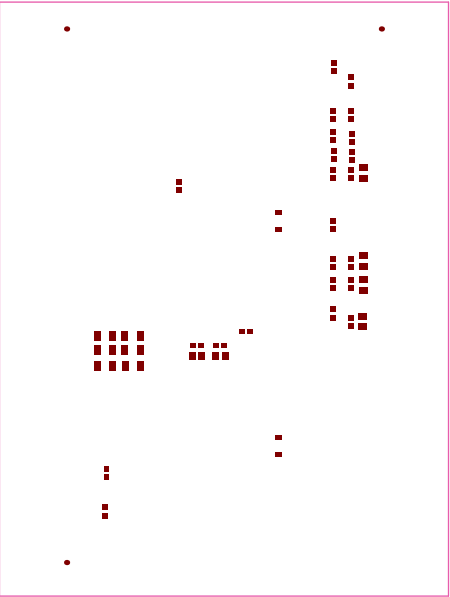
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Top Overlay			
Top Silkscreen Overlay	GENERATED : 6/12/2015 4:45:44 PM	TEXAS INSTRUMENTS	



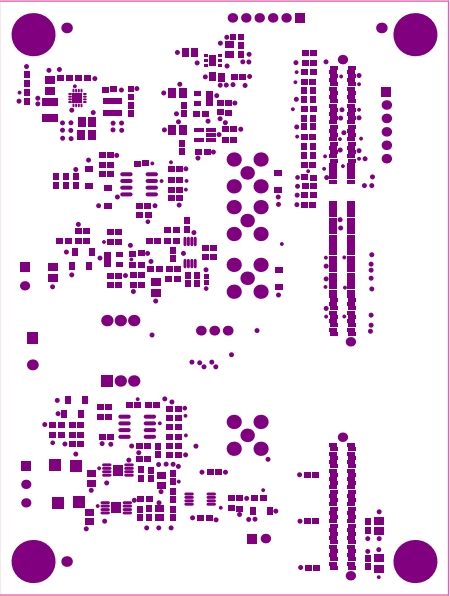
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Bottom Overlay			
Bottom Silkscreen Overlay	GENERATED : 6/12/2015 4:45:44 PM		TEXAS INSTRUMENTS



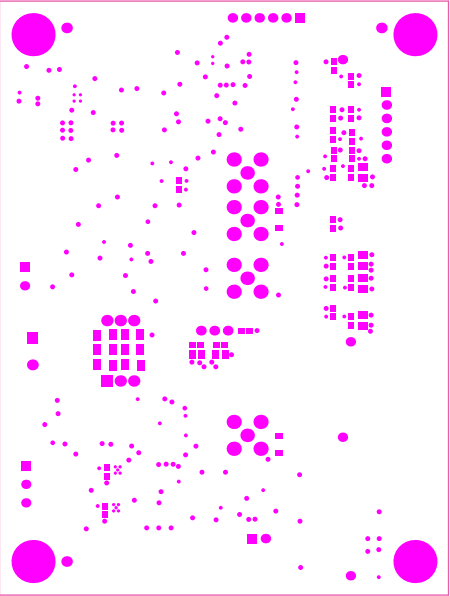
ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Top Paste			
Top Paste Mask Print	GENERATED : 6/12/2015 4:45:45 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SVN REV: Not In VersionControl
LAYER NAME = Bottom Paste			
Bottom Paste Mask Print	GENERATED : 6/12/2015 4:45:45 PM	TEXAS INSTRUMENTS	



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Top Solder			
Top Solder Mask Print	GENERATED : 6/12/2015 4:45:46 PM	TEXAS INSTRUMENTS	

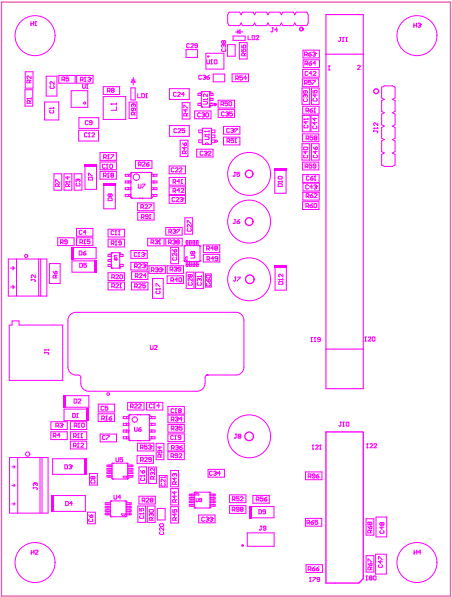


ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #:	TIDA-00368	REV:	E2	SUN REV:	Not In VersionControl
LAYER NAME =	Bottom Solder					
Bottom Solder Mask Print	GENERATED	: 6/12/2015	4:45:46 PM	TEXAS INSTRUMENTS		



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00368	REV: E2	SVN REV: Not In VersionControl
LAYER NAME =			
M1 Board Outline	GENERATED : 6/12/2015 4:45:47 PM	TEXAS INSTRUMENTS	

221 ■ These assemblies are ESD sensitive, ESD precautions shall be observed.
222 ■ These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.
223 ■ These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.



COMPONENTS MARKED "DNP" SHOULD NOT BE POPULATED.
ASSEMBLY COMMENTS: (No Variations)

ALL NOTATION VIEWED FROM TOP SIDE	BOARD #	TIDH-00068	REV	E3	SUN REV	Not In VersionControl
LAYER NAME =	PB Assembly Top					
PB Assembly Top	GENERATED	1	6/12/2015	4:45:47 PM	TEKINS INSTRUMENTS	

1

2

3

4

5

6

A

B

C

D

84.96

112.39

Symbol	Hit Count	Tool Size	Plated	Hole Type
C	16	7.874mil (0.2mm)	PTH	Round
A	40	12mil (0.305mm)	PTH	Round
B	165	16mil (0.406mm)	PTH	Round
K	2	40mil (1.016mm)	PTH	Round
D	5	43.307mil (1.1mm)	PTH	Round
J	12	45.276mil (1.15mm)	PTH	Round
H	3	47.244mil (1.2mm)	PTH	Round
E	4	50mil (1.27mm)	NPTH	Round
F	2	51.181mil (1.3mm)	PTH	Round
G	6	59.055mil (1.5mm)	PTH	Round
L	4	62mil (1.575mm)	PTH	Round
I	16	67mil (1.702mm)	PTH	Round
M	4	125.984mil (3.2mm)	PTH	Round
279 Total				

Drill Table

FOR 7.874MIL DRILL +0/-7.874MIL
FOR 12MIL DRILL +0/-12MIL
FOR 16MIL DRILL +0/-16MIL
FOR PTH DRILL +/-3MIL
FOR NPTH DRILL +/-2MIL

Layer Stack Up Detail for: TIDA-00368_E2

Layer Name	Drain Thickness	Copper Thickness	Solder Plating
Top Solder Mask	(.075)		Solder Resist
Top Layer	(.075)	1.4mil	PTH08
L1 (PAD)	(.05)	1.4mil	PTH08
L1 POWER	(.02)	1.4mil	PTH08
Bottom Layer	(.085)	1.4mil	PTH08
Bottom Solder Mask	(.085)		Solder Resist

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
3345MIL X 4425MIL

Number of Layers : 4
MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 7.8 MIL
MIN. VIA DRILL SIZE: 7.874MIL
MINIMUM ANNUAL RING 5.90 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:
SLKSCREEN: TOP BOTTOM
SLKSCREEN COLOR: WHITE OTHER
SOLDER RESIST COLOR:
GREEN BLUE OTHER
SURFACE FINISH: IMMERSSION GOLD (ENG) ENEPIC
MIL. 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 SLIK

TEXAS INSTRUMENTS

PROJECT TITLE:
Motor Current Measurement using Hall Sensors

DESIGNED FOR:
Public Release

FILE NAME:
TIDA-00368_E2.PcbDoc

ENGINEER:
Sanjay Pithadia

LAYOUT BY:
Avinash N

SCALE: 0.70

ALTIM DESIGNER VERSION:
10.0.0.27009

ALL ARTWORK VIEWED FROM TOP SIDE

BOARD #: TIDA-00368

REV: E2

SUN REV: Not In VersionControl

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LAYER NAME = Drill Drawing

GENERATED : 6/12/2015 4:45:48 PM

TEXAS INSTRUMENTS

Drill Drawing For (Bottom Layer,Top Layer)

2

3

4

5

6