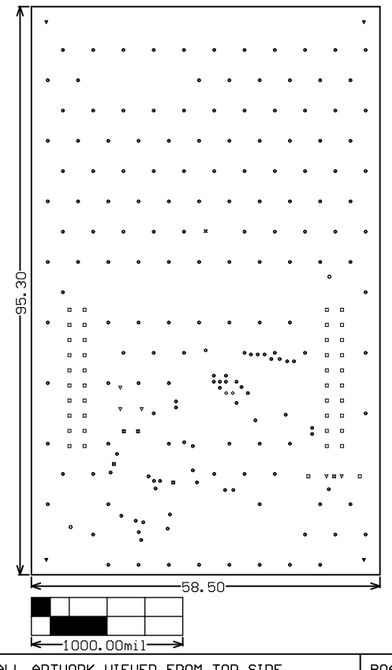
Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.5	
3	Layer 1 - Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	10.00mil	4.2	
5	Layer 2 - GND	Copper	1.42mil		
6	Dielectric 2	FR-4	36.00mil	4.2	
7	Layer 3 - PWR	Copper	1.42mil		
8	Dielectric 3	FR-4	10.00mil	4.2	
9	Layer 4 - Bottom Layer	Copper	1.40mil		
10	Bottom Solder	Solder Resist	0.40mil	3.5	
11	Bottom Overlay				



Symbol	Count	Hole Size	Plated	Hole Type
⊠	1	29.53mil (0.750mm)	NPTH	Round
⌘	1	46.50mil (1.181mm)	PTH	Round
✡	1	59.06mil (1.500mm)	PTH	Round
◇	2	7.87mil (0.200mm)	PTH	Round
✪	2	63.00mil (1.600mm)	PTH	Round
◙	4	28.00mil (0.711mm)	PTH	Round
▼	4	125.98mil (3.200mm)	NPTH	Round
▽	5	29.53mil (0.750mm)	PTH	Round
□	42	40.00mil (1.016mm)	PTH	Round
◎	178	12.00mil (0.305mm)	PTH	Round
	240 Total			

DESIGN INFORMATION

MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 0.2 mm
MIN. VIA PAD SIZE: 28 MIL
MINIMUM ANNULAR RING 0.05mm (2MIL) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- 5 MIL, HOLES +/- 3 MIL
HOLE SIZE TOLERANCE (UNLESS OTHERWISE SPECIFIED): +/- 3 MIL

MATERIAL:
[ ] FR-408 [X] FR-4 High Tg [ ] OTHER _____
THICKNESS: [X] 62 MIL (1.6mm) +/-10% [ ] OTHER _____
TOLERANCE: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/- _____
BOW & TWIST: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/- _____

DRILLING:
REFERENCE: [X] AS SHOWN [X] NC_DRILL FILES
PTH COPPER THICKNESS: [X] 20-30 um [ ] OTHER _____

BOARD FINISH:
SILKSCREEN: [X] TOP [X] BOTTOM
SILKSCREEN COLOR: [X] WHITE [ ] OTHER _____
SOLDER RESIST COLOR: [X] GREEN [ ] OTHER _____
[X] MATTE [ ] SEMI-GLOSS

SURFACE FINISH: [X] IMMERSION GOLD (ENIG) [ ] ENEPIG
[ ] IMM. TIN/SILVER OR EQUIV [ ] OTHER _____

ARRAY/PANEL: [ ] CUT AND TRIM PER M1 BOARD OUTLINE
[ ] N.C. ROUTE [X] V. SCORE

CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBS TO MEET OR EXCEED THE REQUIREMENTS OF:
[X] ANSI IPC-A-600F CLASS -> [ ] 1 [X] 2 [ ] 3
[X] RoHS [ ] OTHER PER ORDER

ALL BOARDS MUST MEET OR EXCEED UL94-V0 REQUIREMENTS.
PCB MUST BEAR THE UL94V-0 UL REGISTERED MATERIAL ID NUMBER

ADDITIONAL REQUIREMENTS:
MICROSECTION: [ ] YES
BARE BOARD ELEC. TEST: [ ] NONE [X] REQUIRED [ ] PER ORDER

TEXAS INSTRUMENTS

PROJECT TITLE: Motor Monitoring Using Wireless Vibration Sensor
DESIGNED FOR: Public Release
FILE NAME: TIDA-01469_PCB.PcbDoc

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-01469	REV: E1	SVN REV: Not In VersionControl
LAYER NAME = [redacted]ions	TID #: TIDA-01469		
PLOT NAME = Fabrication Drawing	GENERATED : 5/26/2017 3:35:47 PM		TEXAS INSTRUMENTS

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ENGINEER: Nathan Siegel
LAYOUT BY: JMM Krypton solutions
SCALE: 1.00
ALTIUM DESIGNER VERSION: 16.1.9.221