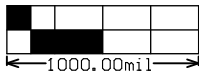
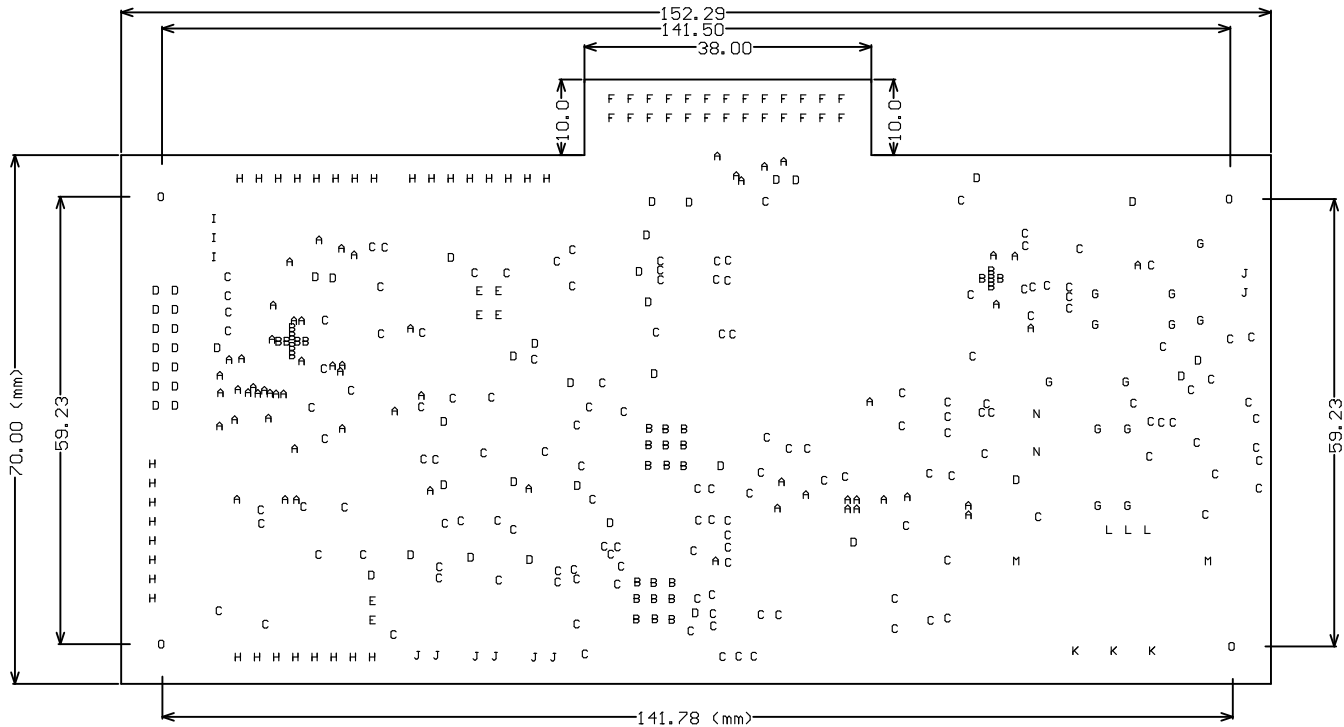


Symbol	Hit Count	Tool Size	Plated	Hole Type
B	31	7.874mil (0.2mm)	PTH	Round
A	60	12mil (0.305mm)	PTH	Round
C	147	16mil (0.406mm)	PTH	Round
I	3	33.465mil (0.85mm)	PTH	Round
N	2	36mil (0.914mm)	PTH	Round
E	6	38mil (0.965mm)	PTH	Round
D	46	40mil (1.016mm)	PTH	Round
H	32	43.307mil (1.1mm)	PTH	Round
J	8	44mil (1.118mm)	PTH	Round
G	12	45.276mil (1.15mm)	PTH	Round
F	26	47.244mil (1.2mm)	PTH	Round
L	3	50mil (1.27mm)	PTH	Round
K	3	52mil (1.321mm)	PTH	Round
M	2	106.5mil (2.705mm)	PTH	Round
O	4	125.984mil (3.2mm)	PTH	Round
385 Total				

Drill Table

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



Layer Stack Up Detail for: TIDA-00661-A			
Layer Name	Deriv Document	Copper Thickness	Dielectric Material
Top Solder Mask	(,GTS)		Solder Resist
Top Layer	(,GTL)	1.4mil	FR4-High Tg
GND	(,GT)	1.4mil	FR4-High Tg
PIR	(,G2)	1.4mil	FR4-High Tg
Bottom Layer	(,GBL)	1.4mil	FR4-High Tg
Bottom Solder Mask	(,GBS)		Solder Resist

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)  
5995.50 MIL X 3149.6 MIL

Number of Layers : 4  
MIN. TRACK WIDTH: 8 MIL  
MIN. CLEARANCE: 7.874 MIL  
MIN. VIA DRILL SIZE: 7.874 MIL

MINIMUM ANNULAR RING 5.9055 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) ☐ ENEPG  
☐ 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



PROJECT TITLE:  
TIDA-00661\_MCU\_Card

DESIGNED FOR:  
Public Release

FILE NAME:  
TIDA-00661-A.PcbDoc

ENGINEER:  
Greenivasa Kallikuppa

LAYOUT BY:  
Avinash N

SCALE: 1.00

ALTUM DESIGNER VERSION:  
14.3.14.34663

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00661-A	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.
LAYER NAME = Drill Drawing				
PLOT NAME = Fabrication Drawing	GENERATED : 12/8/2015 2:49:01 PM	TEXAS INSTRUMENTS		