CAMtasticDXP (TM):

The Stackup Legend below this is static.
If you change the stackup, update the Legend.

Layer Stack Up Detail for: DK-TM4C129X_3_20140212_2.PcbDoc

Layer	Name	Copper Thickness	Dielectric Material
Top Solder Mask	C.GTO		Solder Resist
TOP LAYER	C.GTL	1.4mil	FR-4
L2_GND-PLANE	C.G1	1.4mil	FR-4
L3_PWR-PLANE	C.G2	1.4mil	FR-4
BOTTOM LAYER	C.GBL	1.4mil	
Bottom Solder Mask	C.GBO		Solder Resist

IMPEDANCE TABLE

LAYER	TRACE WIDTH	SPACING	IMPEDANCE	REFERENCE LAYER
TOP	10 MIL	8 MIL	90 OHM +/-10%	L2_GND-PLANE
TOP	7 MIL	16 MIL	100 OHM +/-10%	L2_GND-PLANE
BOTTOM	7 MIL	16 MIL	100 OHM +/-10%	L3_PWR-PLANE

DESIGN INFORMATION

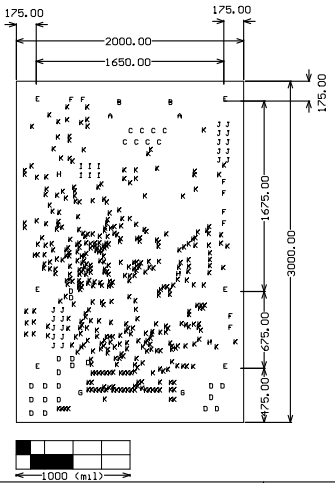
BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
2000MIL X 3000MIL

Number of Layers : 4
MIN. TRACK WIDTH: 4 MIL
MIN. CLEARANCE: 4 MIL
MIN. VIA PAD SIZE: 18 MIL
MINIMUM ANNULAR RING 0.127mm (5MIL) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- 5 MIL, HOLES +/- 3 MIL

MATERIAL:
[ ] FR-408 [X] FR-4 High Tg [ ] OTHER
THICKNESS: [X] 63 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 +/-
COPPER THICKNESS (FINISHED):
OUTER: [X] 1.4MIL (1oz) [ ] 2MIL (1.4oz) [ ] 2.8MIL (2oz)
INNER SIGNAL: [X] 1.4MIL (1oz) [ ] 2.8MIL (2oz) [ ] N/A
DRILLING:
REFERENCE: [X] AS SHOWN [X] NC_DRILL FILES
PTH MIN COPPER THICKNESS: [X] 1MIL [ ] OTHER
BOARD FINISH:
SILKSCREEN: [X] TOP [X] BOTTOM
SILKSCREEN COLOR: [X] WHITE [ ] OTHER
SOLDER RESIST COLOR:
[X] GREEN [ ] BLUE [ ] OTHER
SURFACE FINISH: [X] IMMERSION GOLD (ENIG) [ ] ENEPIG
[ ] IMM. TIN/SILVER OR EQUIV [ ] OTHER
ARRAY/PANEL: [ ] CUT AND TRIM PER MECH LAYER 1
[ ] 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] UL 94V-0 [X] RoHS [ ] OTHER PER ORDER
ADDITIONAL REQUIREMENTS:
MICROSECTION: [ ] YES VIA TENTING: YES [X] NO [ ]
BARE BOARD ELEC. TEST: [ ] NONE [X] REQUIRED [ ] PER ORDER
MANUFACTURER'S UL: [ ] RAIL [ ] METAL [X] SILK

Symbol	Hit Count	Finished Hole Size	Plated	Hole Type
K	415	8mil (0.2032mm)	PTH	Round
D	20	20mil (0.508mm)	PTH	Round
I	6	31mil (0.7874mm)	PTH	Round
C	8	35.039mil (0.89mm)	PTH	Round
H	3	39mil (0.9906mm)	PTH	Round
J	20	40.157mil (1.02mm)	PTH	Round
F	8	44mil (1.1176mm)	PTH	Round
G	2	57.087mil (1.45mm)	NPTH	Round
A	2	62.205mil (1.58mm)	PTH	Round
B	2	127.953mil (3.25mm)	NPTH	Round
E	6	128mil (3.2512mm)	PTH	Round
	492 Total			

Drill Table
DRILL TOLERANCE
FOR 8MIL DRILL +0/-8MIL



TEXAS INSTRUMENTS

PROJECT TITLE: TIDA-00226 (ISE5001)
DESIGNED FOR: Public Release
FILE NAME: TIDA-00226 (ISE5001)
ENGINEER:
LAYOUT BY:
SCALE: 1.00
ALTIUM DESIGNER VERSION: 10.0.0.27009

ALL ARTWORK VIEWED FROM TOP SIDE | BOARD #: | REV: E1 | SVN REV: Not In VersionControl
LAYER NAME = Drill Drawing | TIDA-00226 (ISE5001)
PLOT NAME = ISE5001.GD1 | GENERATED: 6/25/2014 6:42:41 PM | TEXAS INSTRUMENTS

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