Layer Stack Up Detail for: ISE4002.PcbDoc

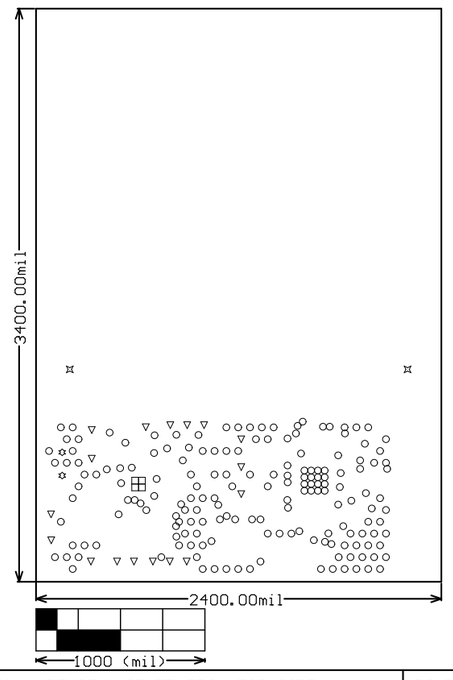
Layer Name	Gerber Document	Copper Thickness	Dielectric Height	Dielectric Material	Dielectric Constant	Dielectric Type
Top Solder Mask	(.GTS)		0.4mil	Solder Resist	3.50	
Top Layer	(.GTL)	1.4mil				
			12.6mil	370HR	4.80	PrePreg
MidLayer1	(.G1)	1.4mil				
			12.6mil	370HR	4.80	Core
MidLayer2	(.G2)	1.4mil				
			12.6mil	370HR	4.80	PrePreg
Bottom Layer	(.GBL)	1.4mil				
Bottom Solder Mask	(.GBS)		0.4mil	Solder Resist	3.50	

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
3400MIL X 2400MIL

Number of Layers : 4
MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 8 MIL
MIN. VIA PAD SIZE: 20 MIL
MINIMUM ANNULAR RING 0.05mm (2MIL) 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] 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 +/-
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:
[ ] GREEN [ ] BLUE [X] OTHER Black
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
BARE BOARD ELEC. TEST: [ ] NONE [X] REQUIRED [ ] PER ORDER
MANUFACTURER'S UL: [ ] RAIL [ ] METAL [X] SILK



Symbol	Hit Count	Tool Size	Physical Length	Rout Path Length	Plated	Hole Type
□	4	7.874mil (0.2mm)			PTH	Round
○	171	10mil (0.254mm)			PTH	Round
▽	17	40mil (1.016mm)			PTH	Round
☼	2	47.244mil (1.2mm)			PTH	Round
⌑	2	125mil (3.175mm)	200mil (5.08mm)	75mil (1.905mm)	PTH	Slot
	196 Total					

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

Drill Table

TEXAS INSTRUMENTS

PROJECT TITLE: ISE4002
DESIGNED FOR: Public Release
FILE NAME: ISE4002.PcbDoc

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: ISE4002 REV: E1 SVN REV: Not In VersionControl
LAYER NAME = [illegible] Dimensions	
PLOT NAME = Fabrication Drawing	GENERATED : 3/12/2014 10:02:14 AM TEXAS INSTRUMENTS

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ENGINEER: Ajinder Singh
LAYOUT BY: Krypton Solutions LLC
SCALE: 1.09
ALTIUM DESIGNER VERSION: 10.0.0.27009