Layer Stack Up Detail for: SV601187A.PcbDoc

Layer Name	Gerber Document	Copper Thickness	Dielectric Height	Dielectric Material	Dielectric Type
Top Solder Mask	(.GTS)		0.4mil	Solder Resist	
Top Layer	(.GTL)	1.4mil			
MidLayer1	(.G1)	1.4mil	12.6mil	FR-4	Core
MidLayer2	(.G2)	1.4mil	30.4mil	FR-4	PrePreg
Bottom Layer	(.GBL)	1.4mil	12.6mil	FR-4	Core
Bottom Solder Mask	(.GBS)		0.4mil	Solder Resist	

DESIGN INFORMATION

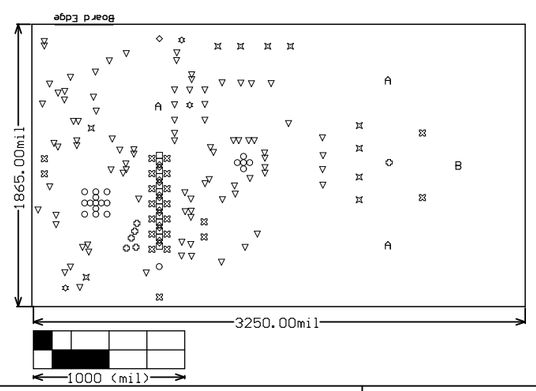
BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
3250MIL X 1865MIL

Number of Layers : 4
MIN. TRACK WIDTH: 4 MIL
MIN. CLEARANCE: 4 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 [X] BLUE [ ] OTHER _____
SURFACE FINISH: [X] IMMERSION GOLD (ENIG) [ ] ENEPIG
[ ] IMM. TIN/SILVER OR EQUIV [ ] OTHER _____
ARRAY/PANEL: [ ] CUT AND TRIM PER MECH LAYER 1
[X] N.C. ROUTE [ ] 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
○	18	7.874mil (0.2mm)			PTH	Round
▽	85	8mil (0.203mm)			PTH	Round
◇	12	14mil (0.356mm)			NPTH	Round
○	5	15mil (0.381mm)			PTH	Round
□	13	20mil (0.508mm)			NPTH	Round
⌘	2	25mil (0.635mm)			PTH	Round
✿	2	28mil (0.711mm)			PTH	Round
⊠	20	40mil (1.016mm)			PTH	Round
⌘	8	43.307mil (1.1mm)			PTH	Round
✿	1	59.055mil (1.5mm)			PTH	Round
▽	4	66.929mil (1.7mm)			PTH	Round
○	1	62mil (1.575mm)	150mil (3.81mm)	88mil (2.235mm)	NPTH	Slot
⊠	1	62mil (1.575mm)	162mil (4.115mm)	100mil (2.54mm)	NPTH	Slot
○	1	62mil (1.575mm)	190mil (4.826mm)	128mil (3.251mm)	NPTH	Slot
◇	1	62mil (1.575mm)	250mil (6.35mm)	188mil (4.775mm)	NPTH	Slot
A	1	62mil (1.575mm)	590mil (14.986mm)	528mil (13.411mm)	NPTH	Slot
B	1	62mil (1.575mm)	815mil (20.701mm)	753mil (19.126mm)	NPTH	Slot
A	2	62mil (1.575mm)	850mil (21.59mm)	788mil (20.015mm)	NPTH	Slot
	178 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



PROJECT TITLE: FDC2x14EVM
DESIGNED FOR: Public Release
FILE NAME: SV601187A.PcbDoc

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: SV601187	REV: A	SVN REV: Not In VersionControl
LAYER NAME = [illegible]ions			
PLOT NAME = Fabrication Drawing	GENERATED : 5/13/2015 4:57:45 PM		TEXAS INSTRUMENTS

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LAYOUT BY: Ben Kasemsadeh
SCALE: 1.00
ALTIUM DESIGNER VERSION: 14.3.17.42447