Layer Stack Up Detail for: ISE-ACD-FMB-E3.PcbDoc

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

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
7874MIL X 2362MIL
Number of Layers : 4
MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 7.5 MIL
MIN. VIA PAD SIZE: 20 MIL
MINIMUM ANNULAR RING 0.15mm (6MIL) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- 5 MIL, HOLES +/- 3 MIL
IT IS NOT IMPEDANCE CONTROLLED BOARD
VIA'S ARE TENTED

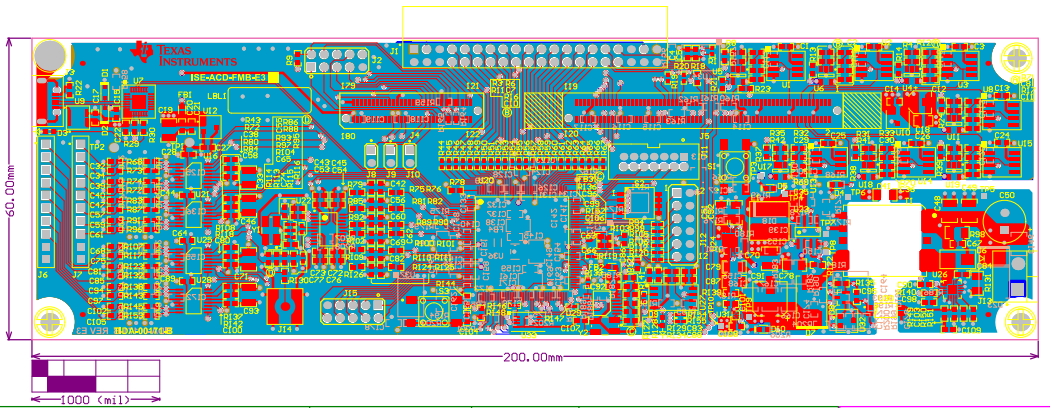
MATERIAL:
[X] FR-408 [ ] FR-4 High Tg [ ] OTHER
THICKNESS: [X] 63 MIL (1.6mm) +/-10% [ ] OTHER
TOLERANCE: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/-
BOW & TWIST: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/-
COPPER THICKNESS (FINISHED):
OUTER: [X] 1.4MIL (1oz) [ ] 2MIL (1.4oz) [ ] 2.8MIL (2oz)
INNER 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
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
□	10	8mil (0.203mm)			PTH	Round
▽	104	12mil (0.305mm)			PTH	Round
○	496	16mil (0.406mm)			PTH	Round
✕	8	20mil (0.508mm)			PTH	Round
○	2	33mil (0.838mm)			PTH	Round
⊞	14	36mil (0.914mm)			PTH	Round
⊕	98	38mil (0.965mm)			PTH	Round
⊠	2	40mil (1.016mm)			PTH	Round
○	4	50mil (1.27mm)			NPTH	Round
○	2	52mil (1.321mm)			PTH	Round
⊕	1	128mil (3.251mm)			PTH	Round
▽	3	128mil (3.251mm)			NPTH	Round
□	2	26.98mil (0.685mm)	35.433mil (0.9mm)	8.842mil (0.25mm)	PTH	Slot
○	2	31.496mil (0.8mm)	59.055mil (1.5mm)	27.559mil (0.7mm)	PTH	Slot
	748	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

DRILL TOLERANCES: FOR PTH +/-3MILS
FOR NPTH +/-2MILS
DRILL TOLERANCES FOR 8 MIL VIA: +0/-8mils
DRILL TOLERANCES FOR 12 MIL VIA: +0/-12mils
DRILL TOLERANCES FOR 16 MIL VIA: +0/-16mils



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00171-B	REV: E3	SVN REV: Not In VersionControl	
LAYER NAME = [illegible]	ISE-ACD-FMB-E3			
PLOT NAME = Multilayer Composite Print	GENERATED : 7/22/2014 21:58:17 PM			TEXAS INSTRUMENTS

TEXAS INSTRUMENTS

PROJECT TITLE: ISE-ACD-FMB-E3
DESIGNED FOR: Public Release
FILE NAME: ISE-ACD-FMB-E3.PcbDoc
ENGINEER: Navaneeth/Atul
LAYOUT BY:
SCALE: 1.00
ALTIUM DESIGNER VERSION: 10.0.0.27009