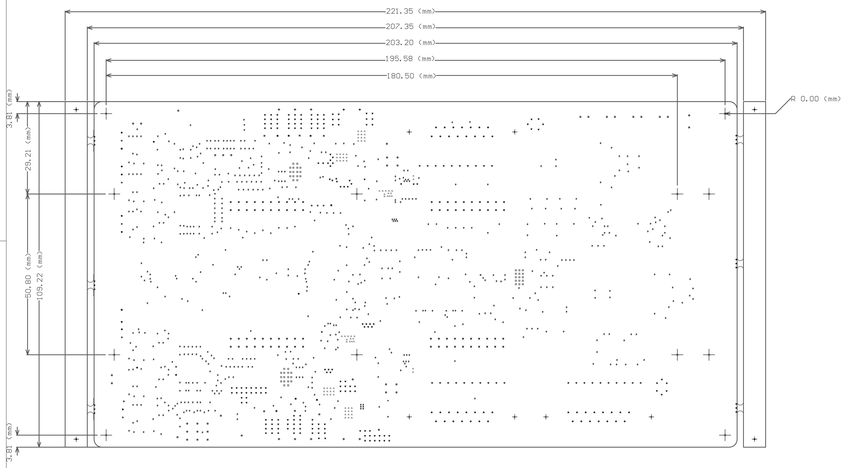
Symbol	Count	Hole Size	Plated	Drill Layer Pair	Hole Tolerance (+)	Hole Tolerance (-)
⧈	47	7.87mil (0.200mm)	PTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
⋀	77	7.87mil (0.200mm)	PTH	Top Layer - Bottom Layer		
C	748	12.00mil (0.305mm)	PTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
⧨	176	16.00mil (0.406mm)	PTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
✪	12	25.00mil (0.635mm)	PTH	Top Layer - Bottom Layer		
○	11	25.00mil (0.635mm)	PTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
✪	45	35.43mil (0.900mm)	PTH	Top Layer - Bottom Layer		
⌘	9	40.00mil (1.016mm)	PTH	Top Layer - Bottom Layer		
□	47	40.00mil (1.016mm)	PTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
⌘	80	40.16mil (1.020mm)	PTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
◇	30	43.31mil (1.100mm)	PTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
☼	2	51.18mil (1.300mm)	PTH	Top Layer - Bottom Layer		
▽	8	51.18mil (1.300mm)	PTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
B	6	122.05mil (3.100mm)	PTH	Top Layer - Bottom Layer		
⧆	12	144.00mil (3.658mm)	PTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
✿	18	32.00mil (0.813mm)	NPTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
✖	4	126.00mil (3.200mm)	NPTH	Top Layer - Bottom Layer	3.00mil (0.076mm)	3.00mil (0.076mm)
	1332 Total					



DESIGN INFORMATION	
MIN. TRACK WIDTH:	4.5 MIL
MIN. CLEARANCE:	5 MIL
MIN. VIA PAD SIZE:	22 MIL

MINIMUM ANNULAR RING 0.12mm (5MIL) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- .5 MIL, HOLES +/- 3 MIL
HOLE SIZE TOLERANCE (UNLESS OTHERWISE SPECIFIED): +/- 3 MIL

MATERIAL:
[ ] FR-408 [X] FR-4 High Tg [ ] OTHER ____
THICKNESS: [X] 66.18 MIL (1.68mm) +/-10% [ ] OTHER ____
TOLERANCE: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/- ____
BOW & TWIST: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/- ____

DRILLING:
REFERENCE: [X] AS SHOWN [X] NC_DRILL FILES
PTH COPPER THICKNESS: [X] 20-50 um [ ] OTHER ____

BOARD FINISH:
SILKSCREEN: [X] TOP [X] BOTTOM
SILKSCREEN COLOR: [X] WHITE [ ] OTHER ____
SOLDER RESIST COLOR: [ ] GREEN [X] OTHER RED
[X] MATTE [ ] SEMI-GLOSS

SURFACE FINISH: [X] IMMERSION GOLD (ENIG) [ ] ENEPIG
[ ] IMM. TIN/SILVER OR EQUIV [ ] OTHER ____

ARRAY/PANEL: [ ] CUT AND TRIM PER M1 BOARD OUTLINE
[ ] N.C. ROUTE [X] Breakaway Tabs

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] RoHS [ ] OTHER PER ORDER

ALL BOARDS MUST MEET OR EXCEED UL94-VO REQUIREMENTS.
PCB MUST BEAR THE UL94V-0 UL REGISTERED MATERIAL ID NUMBER

ADDITIONAL REQUIREMENTS:
MICROSECTION: [ ] YES
BARE BOARD ELEC. TEST: [ ] NONE [X] REQUIRED [ ] PER ORDER
[X] 12,22 MIL VIAS REQUIRE NON-CONDUCTIVE FILL AND PLANARIZE
[ ] XX MIL VIAS REQUIRE CONDUCTIVE FILL AND PLANARIZE
[ ] OUTER XX MIL TRACES REQUIRE 50 OHM SINGLE-ENDED IMPEDANCE
[ ] LAYER 2 & 3 (INNER LAYERS) XX MIL WIDE, XX MIL SPACE TRACES REQUIRE 100 OHM DIFFERENTIAL IMPEDANCE

M1 Board Outline
Drill Drawing

Texas Instruments

PROJECT TITLE: PROC152E2	
DESIGNED FOR: TEXAS INSTRUMENTS	
FILE NAME: PROC152E2	
ENGINEER: KMK	LAYOUT BY: UC
SCALE: 1.00	ALTIUM DESIGNER VERSION: 23.1.1.15

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