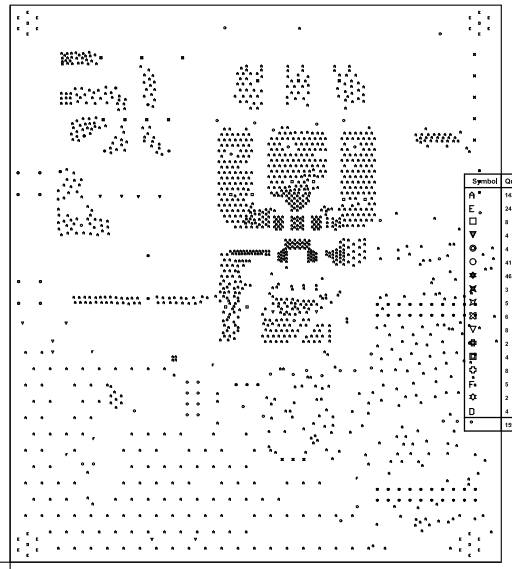

Symbol	Quantity	Finished Hole Size	Plated	Hole Type	Drill Layer Pair	Hole Tolerance
A	1424	9.84mil (0.250mm)	PTH	Round	Top Layer - Bottom Layer	
E	24	19.69mil (0.500mm)	PTH	Round	Top Layer - Bottom Layer	
C	8	33.47mil (0.850mm)	PTH	Round	Top Layer - Bottom Layer	
V	4	35.43mil (0.900mm)	PTH	Round	Top Layer - Bottom Layer	
G	4	39.37mil (1.000mm)	PTH	Round	Top Layer - Bottom Layer	
O	41	40.00mil (1.016mm)	PTH	Round	Top Layer - Bottom Layer	
H	46	48.16mil (1.220mm)	PTH	Round	Top Layer - Bottom Layer	
K	3	45.28mil (1.150mm)	PTH	Round	Top Layer - Bottom Layer	
J	5	47.24mil (1.200mm)	PTH	Round	Top Layer - Bottom Layer	
M	6	51.18mil (1.300mm)	PTH	Round	Top Layer - Bottom Layer	+/-3.94mil
N	8	51.18mil (1.300mm)	PTH	Round	Top Layer - Bottom Layer	
P	2	52.56mil (1.321mm)	PTH	Round	Top Layer - Bottom Layer	
R	4	59.06mil (1.500mm)	PTH	Round	Top Layer - Bottom Layer	
T	8	62.99mil (1.600mm)	PTH	Round	Top Layer - Bottom Layer	+3.94mil/-0.00mil
F	5	63.00mil (1.600mm)	PTH	Round	Top Layer - Bottom Layer	
S	2	86.61mil (2.200mm)	PTH	Round	Top Layer - Bottom Layer	
D	4	129.92mil (3.300mm)	PTH	Round	Top Layer - Bottom Layer	
*	1598 Total					

14.87mm
28.30mm
1000.00mil

DESIGN INFORMATION

MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 0.2 mm
MIN. VIA PAD SIZE: 24 MIL
MINIMUM ANNULAR RING 0.05mm (2ML) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGSTRATION 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] 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 +/- _____

DRILLING:
REFERENCE: [X] AS SHOWN [X] NC_DRILL FILES
PTH COPPER THICKNESS: [X] 20-30 um [ ] OTHER _____

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

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

ARRAY/PANEL: [ ] CUT AND TRM PER M1 BOARD OUTLINE
[ ] 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] RoHS [ ] OTHER PER ORDER

ALL BOARDS MUST MEET OR EXCEED UL94-V0 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
[ ] XX 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

TEXAS INSTRUMENTS

PROJECT TITLE: MD096A
DESIGNED FOR:
FILE NAME: MD096A.PcbDoc

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: MD096	REV: A	SVN REV: Not in version control
LAYER NAME = [redacted]	TID #: N/A		
PLOT NAME = Fabrication Drawing	GENERATED : 10/20/2025 12:11:06 PM		TEXAS INSTRUMENTS

Texas Instruments (TI) and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. TI and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. TI and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

ENGINEER: Anthony Lodi
LAYOUT BY: Anthony Lodi, Joel Acejola
SCALE: 1.00
ALTIUM DESIGNER VERSION: 23.1.1.15

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.40mil	3.5	
1	Top Layer		1.40mil		
	Dielectric 1	FR-4 High Tg	10.00mil	4.2	
2	Ground		1.40mil		
	Dielectric 2	FR-4 High Tg	35.60mil	4.2	
3	Power		1.40mil		
	Dielectric 3	FR-4 High Tg	10.00mil	4.2	
4	Bottom Layer		1.40mil		
	Bottom Solder	Solder Resist	0.40mil	3.5	
	Bottom Overlay				