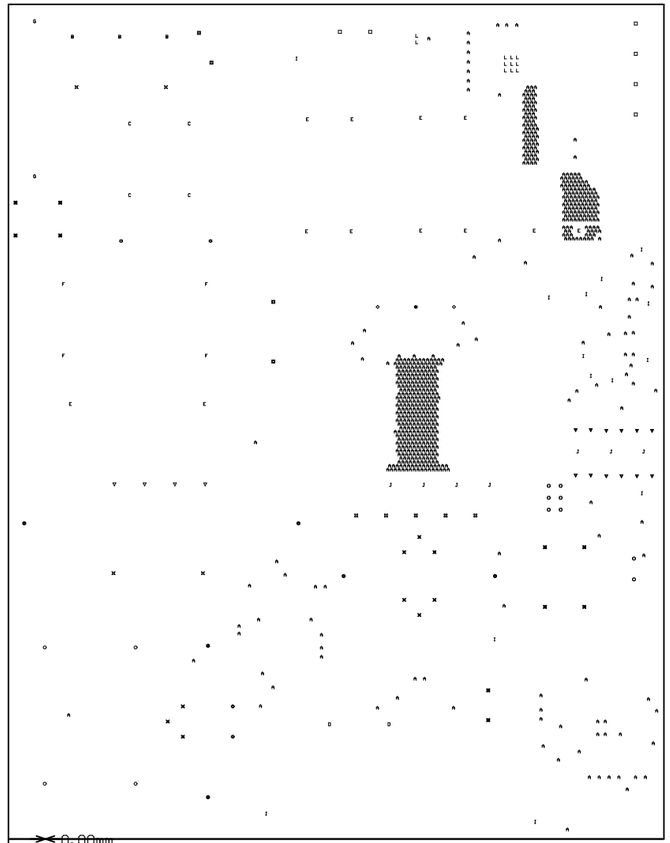
Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.40mil	3.5	
1	Top Layer		2.80mil		
	Dielectric 1	FR-4 High Tg	7.00mil	4.2	
2	Layer 2		2.80mil		
	Dielectric 2	FR-4 High Tg	36.80mil	4.2	
3	Layer 3		2.80mil		
	Dielectric 3	FR-4 High Tg	7.00mil	4.2	
4	Bottom Layer		2.80mil		
	Bottom Solder	Solder Resist	0.40mil	3.5	
	Bottom Overlay				



Symbol	Quantity	Finished Hole Size	Plated	Hole Type	Drill Layer Pair	Hole Tolerance
L	11	7.87mil (0.200mm)	PTH	Round	Top Layer - Bottom Layer	
A	663	8.00mil (0.203mm)	PTH	Round	Top Layer - Bottom Layer	
V	12	25.59mil (0.650mm)	PTH	Round	Top Layer - Bottom Layer	
O	8	31.50mil (0.800mm)	PTH	Round	Top Layer - Bottom Layer	
X	10	33.47mil (0.850mm)	PTH	Round	Top Layer - Bottom Layer	
O	4	35.43mil (0.900mm)	PTH	Round	Top Layer - Bottom Layer	
X	4	39.37mil (1.000mm)	PTH	Round	Top Layer - Bottom Layer	
G	2	41.00mil (1.041mm)	PTH	Round	Top Layer - Bottom Layer	
E	12	41.34mil (1.050mm)	PTH	Round	Top Layer - Bottom Layer	
O	2	43.31mil (1.100mm)	PTH	Round	Top Layer - Bottom Layer	
□	6	49.21mil (1.250mm)	PTH	Round	Top Layer - Bottom Layer	
X	9	51.18mil (1.300mm)	PTH	Round	Top Layer - Bottom Layer	
C	4	52.00mil (1.321mm)	PTH	Round	Top Layer - Bottom Layer	
O	2	55.12mil (1.400mm)	PTH	Round	Top Layer - Bottom Layer	
O	4	57.09mil (1.450mm)	PTH	Round	Top Layer - Bottom Layer	
V	4	59.06mil (1.500mm)	PTH	Round	Top Layer - Bottom Layer	
I	14	63.00mil (1.600mm)	PTH	Round	Top Layer - Bottom Layer	
F	4	68.90mil (1.750mm)	PTH	Round	Top Layer - Bottom Layer	
X	5	70.87mil (1.800mm)	PTH	Round	Top Layer - Bottom Layer	
◇	2	78.74mil (2.000mm)	PTH	Round	Top Layer - Bottom Layer	
D	2	82.68mil (2.100mm)	PTH	Round	Top Layer - Bottom Layer	
B	3	84.65mil (2.150mm)	PTH	Round	Top Layer - Bottom Layer	
O	1	98.43mil (2.500mm)	PTH	Round	Top Layer - Bottom Layer	
O	6	105.12mil (2.670mm)	PTH	Round	Top Layer - Bottom Layer	
J	7	40.00mil (1.016mm)	NPTH	Slot	Top Layer - Bottom Layer	
	801 Total					

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

DESIGN INFORMATION

MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 7.874 MIL
MIN. VIA PAD SIZE: 24 MIL
MINIMUM ANNULAR RING 0.05mm (2MIL) 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-4 ☒ FR-4 High Tg ☐ OTHER _____
THICKNESS: ☒ 62 MIL (1.6mm) +/-10% ☐ OTHER _____
TOLERANCE: ☒ ANSI IPC-6012 TYPE 3 CLASS 2
☐ OTHER +/- _____
BOW & TWIST: ☒ ANSI IPC-6012 TYPE 3 CLASS 2
☐ OTHER +/- _____

DRILLING:
REFERENCE: ☒ AS SHOWN ☒ NC_DRILL FILES
PTH COPPER THICKNESS: ☒ 20-30 um ☐ OTHER _____

BOARD FINISH:
SILKSCREEN: ☒ TOP ☒ BOTTOM
SILKSCREEN COLOR: ☒ WHITE ☐ OTHER _____
SOLDER RESIST COLOR: ☒ GREEN ☐ OTHER _____
☒ MATTE ☐ SEMI-GLOSS

SURFACE FINISH: ☒ IMMERSION GOLD (ENIG) ☐ ENEPIG
☐ IMM. TIN/SILVER OR EQUIV ☐ OTHER _____

ARRAY/PANEL: ☐ CUT AND TRIM PER M1 BOARD OUTLINE
☐ N.C. ROUTE ☒ V. SCORE

CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBS TO MEET OR EXCEED THE REQUIREMENTS OF:
☒ ANSI IPC-A-600F CLASS -> ☐ 1 ☒ 2 ☐ 3
☒ 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 ☒ 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: PFC+LLC Battery Charger
DESIGNED FOR: Public Release
FILE NAME: PCB_Project.PcbDoc

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: PMP23454	REV: A	SVN REV: Not in version control
LAYER NAME = [illegible] Dimensions	TID #: N/A		
PLOT NAME = Fabrication Drawing	GENERATED : 1/8/2024 6:09:08 PM	TEXAS INSTRUMENTS	

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ENGINEER:	LAYOUT BY:
B Lough	B Lough
SCALE: 1.00	ALTIUM DESIGNER VERSION: 23.1.1.15