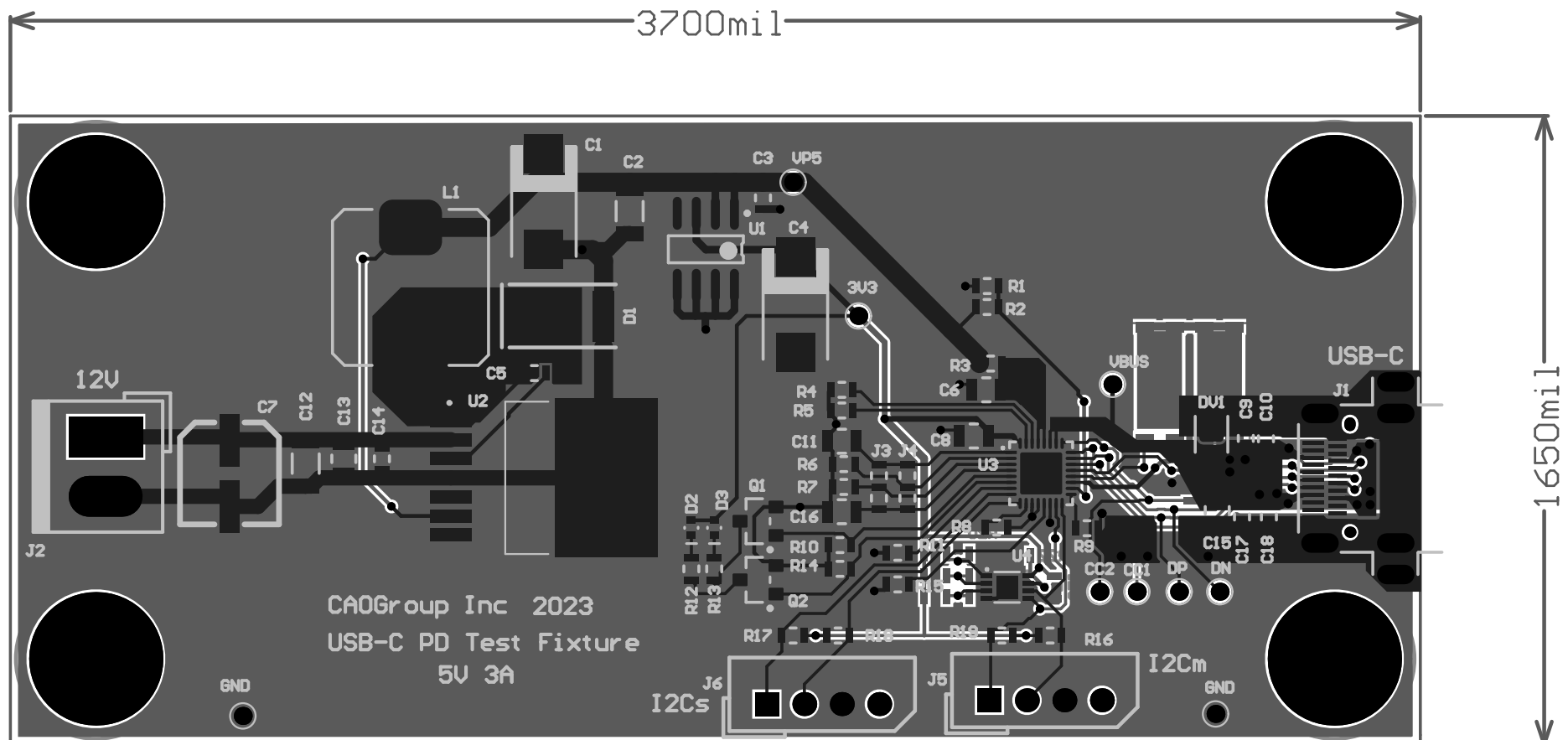


USB-C Test Fixture

1. MATERIAL: Nema grade FR-4 Epoxy Laminate
2. LAYERS: 2 Layers
3. THICKNESS: 0.062 in Laminate
4. FINISHED COPPER WEIGHT: 1oz
5. PLATING / FINISH: HASL Lead Free
6. SOLDERMASK: Green
7. SILKSCREEN: White (2 sides)
8. Vendor and UL mark
9. All hole diameters shown are after plating.
10. Holes shall be centered in pattern area as indicated on master pattern.
11. Master Artwork is viewed from component side (Top Layer)
12. Unless otherwise specified, specified boards shall be built to IPC6012 (or latest IPC specification)



Comment	Description	Designator	Footprint	LibRef	Quantity
TP	TEST POINT .66mm	3V3, CC1, CC2, DN, DP, GND, VBUS, VP5	TP66	TP-66	9
220uF 16V	CAP TANT 220UF 16V CT7343 10% LOW ESR	C1, C4	7343CT	CT73-227	2
22uF 25V	22 µF ±10% 25V Ceramic Capacitor X5R 1206 (3216 Metric)	C2, C12	1206	C512-226B	2
0.1uF 50V	CAP CER 0.1UF 50V X7R 0603	C3, C5, C9, C14, C17, C18, C21	0603	C706-104	7
10uF 25V	CAP CER 10uF 25V X5R SM0805	C6, C8, C11, C13, C15, C16	0805	C508-106B	6
100uF 25V	CAP 100uF 25V ELECT FK SMD	C7	CFKD	CACF-107	1
1uF 25V	CAP CER 1uF 25V X7R SM0603	C10	0603	C706-105B	1
470pF	CAP CER 470pF 50V X7R SM0603	C19, C20	0603	C706-471	2
PDS1040	DIODE SCHOTTKY 40V 10A POWERDI5	D1	POWERDI	DSD5-1040	1
LED_G	LED GREEN CLEAR 0402 SMD 2.85V 280mcd	D2	0402DLG	DL04-G	1
LED_R	LED RED CLEAR 0402 SMD .25mmH	D3	0402DLR	DL04-R	1
TVS22	UNIDIR PRECISION SURGE DIODE	DV1	WDFN6	DVWD-22	1
USBC 24PIN	CONN USB Connectors USB4 GEN3 TYPEC	J1	USBC24P	JSPV-USBC24	1
644752-2	CONN HEADER VERT 2POS .156 TIN	J2	MTA1X2A	J6PM-1X2	1
JP3	JJUMPER 3Pos	J3, J4	JP3	J06-JP3	2
SPOX-4	CONN HEADER 4POS 2.5MM (Artwork Only)	J5, J6	HDRS1X4X	J5PM-1X4X	2
22uH 5A	IND 22UH 5A 74 MOHM SMD	L1	PA22	MLSG-22U	1
FOOT	FOOT RUBBER 6-32	MH1, MH2, MH3, MH4	FOOT6	FT-FOOT6	4
DMG3406L	MOSFET N-CH 30V 3.6A 50mOhm SOT23	Q1, Q2	SOT23	SNST-3406	2
AON6816	MOSFET 2N-CH 30V 17A DFN5X6	Q3	DFN5X6B	SNDF-6816	1
100K	RES 100K OHM 1/10W 1% 0603 SMD	R1, R6, R7	0603	R06-100K	3
47K5	RES 47K5 1% SM0603 1/10W	R2	0603	R06-47K5	1
0.0	RES SMD 0.0 OHM JUMPER 1/10W	R3, R21, R24, R26	0603	R06-0R0	4
10K0	RES 10.0K 1% SM0603 1/10W	R4, R5, R8, R9, R10, R11, R14, R15, R20, R22, R23, R25	0603	R06-10K0	12
1K00	RES 1.00K OHM 1/10W 1% 0603 SMD	R12, R13	0603	R06-1K00	2
2K20	RES 2.2K SM0603 1/10W	R16, R17, R18, R19	0603	R06-2K20	4
MIC37101-3.3YM	IC REG LDO 1.0A 3.3V 8-SOIC	U1	SOIC8	ULST-37101	1
LM2677-5	IC REG BUCK 5V 5A TO263-7 W/Sync	U2	TO263-7	URT6-5V5AS	1
TPS25750S	IC HIGHLY INTEGRATED USB TYPE-C AND	U3	VQFN32	URQF-25750S	1
CAT24C256	IC EEPROM 256KBIT I2C 1MHZ 8UDFN	U4	UDFN8P	UMDF-C256	1