

PCBA - Main Board

No.	Designator	Part No.	Package	Manufacturer	Qty	Value	Tolerance	Voltage, Current, Power	Description
1	F101	office storage	8.5x4mm	Littelfuse	1	3.15A	slow blow	250Vac	fuse
2	R101, R118	office storage	0603	Yageo	2	47Ω	1%	1/10W	resistor
3	R102	office storage	0603	Yageo	1	270kΩ	1%	1/10W	resistor
4	R103, R116	office storage	0603	Yageo	2	0Ω	1%	1/10W	resistor
5	R104	office storage	0603	Yageo	1	82Ω	1%	1/10W	resistor
6	R105	office storage	0603	Yageo	1	82kΩ	1%	1/10W	resistor
7	R106	office storage	0603	Yageo	1	10Ω	1%	1/10W	resistor
8	R107, R108	office storage	0603	Yageo	2	22kΩ	1%	1/10W	resistor
9	R109	office storage	0603	Yageo	1	2Ω	1%	1/10W	resistor
10	R110, R164	office storage	0603	Yageo	2	1MΩ	1%	1/10W	resistor
11	R111	office storage	0603	Yageo	1	30kΩ	1%	1/10W	resistor
12	R112	office storage	0603	Yageo	1	20kΩ+17kΩ	1%	1/10W	resistor
13	R113	office storage	1206	Yageo	1	1MΩ	1%	1/4W	resistor
14	R114, R115	office storage	1206	Yageo	2	2.4MΩ	1%	1/4W	resistor
15	R117, R204	office storage	0603	Yageo	2	100Ω	1%	1/10W	resistor
16	R151, R152	office storage	1206	Yageo	2	1kΩ	1%	1/4W	resistor
17	R153	office storage	1206	Yageo	1	2MΩ	1%	1/4W	resistor
18	R154	office storage	0603	Yageo	1	220Ω	1%	1/10W	resistor
19	R155	office storage	0603	Yageo	1	680Ω	1%	1/10W	resistor
20	R156	office storage	0603	Yageo	1	20Ω	1%	1/10W	resistor
21	R157	dismantled	0603		1	49.9kΩ	1%	1/10W	resistor
22	R158	office storage	0603	Yageo	1	1kΩ	1%	1/10W	resistor
23	R159	office storage	0603	Yageo	1	100kΩ	1%	1/10W	resistor
24	R160	office storage	0603	Yageo	1	1.8kΩ	1%	1/10W	resistor
25	R161	office storage	0603	Yageo	1	200Ω	1%	1/10W	resistor
26	R162	office storage	0603	Yageo	1	110kΩ	1%	1/10W	resistor
27	R163	office storage	0603	Yageo	1	20kΩ	1%	1/10W	resistor
28	R201	office storage	0603	Yageo	1	36kΩ	1%	1/10W	resistor

29	R202, R203	office storage	1206	Yageo	2	10Ω	1%	1/4W	resistor
30	RCS101, RCS102, RCS103, RCS104	dismantled	1206		4	0.47Ω	1%	1/2W	resistor
31	RCS105, RCS106, RCS107	dismantled	1206		3	0.68Ω	1%	1/2W	resistor
32	C101	office storage	0603	Yageo	1	2.2nF	X7R	50Vdc	capacitor
33	C102, C161	dismantled	0603	Yageo	2	220nF	X7R	50Vdc	capacitor
34	C103, C105	office storage	0603	Yageo	2	2.2uF		25Vdc	capacitor
35	C104	office storage	0603	Yageo	1	10pF	COG	50Vdc	capacitor
36	C106	office storage	0603	Yageo	1	680pF	X7R	50Vdc	capacitor
37	C107	office storage	1206		1	47nF		630Vdc	capacitor
38	C151, C151A	office storage	1210		2	0.1uF		630Vdc	capacitor
39	C152	office storage	1206		1	10nF		630Vdc	capacitor
40	C153	office storage	0603	Yageo	1	1.5nF	COG	50Vdc	capacitor
41	C154, C155	office storage	0603	Yageo	2	1nF	X7R	50Vdc	capacitor
42	C156	office storage	0603	Yageo	1	75pF	COG	50Vdc	capacitor
43	C157	office storage	0603	Yageo	1	56pF	COG	50Vdc	capacitor
44	C158, C158A	office storage	1206		2	2.2uF	X7S	100Vdc	capacitor
45	C159, C160	office storage	1206		2	4.7uF	X7R	50Vdc	capacitor
46	C201	office storage	0805		1	2.2uF		25Vdc	capacitor
47	C202	MC06KTB251102HF	1206	Viking	1	1nF		250Vdc	capacitor
48	C203	open	1206		1				capacitor
49	EC101, EC102	HH450M180G20P077S00R	10x20x5mm	Samxon	2	18uF		450Vdc	E-capacitor
50	EC103	EKM396M2WJ20RRS1A1F	13x20x5mm	Samxon	1	39uF		450Vdc	E-capacitor
51	EC201	STAP561M1EE14PDH00J		金富康	1	560uF		25Vdc	E-capacitor
52	EC202	NPXD1601E821Mj		Ymin	1	820uF		25Vdc	E-capacitor
53	CY101	SMD-Y1221K/AC400V	SMD	特銳祥	1	220pF		400Vdc	Y-capacitor
54	CY102	Y5P221K	10mm	智中電子	1	220pF		500Vac	Y-capacitor
55	D101, D102, D103	EP5J	TO-277	JINAN JINGHENG	3	5A/1.2Vf		600Vdc	diode
56	D104, D105, D158, D159	1N4148WS	SOD-123		4	0.15A/1.25Vf		75Vdc	diode
57	D153, D156, D157	ES1JFL	SOD-123-2	On-Semiconductor	3	1A/1.7Vf		600Vdc	diode
58	D151, D152	RSFML	SOD123	Taiwan Semiconductor	2	0.5A/1.3Vf		1000Vdc	diode
59	D154	A7H		HP	1	1A/1Vf		1000Vdc	diode
60	D155	ZHCS400TA	SOD-323-2	Diodes	1	0.4A/1.05Vf		40Vdc	diode
61	NTC1	WMFC-0603R104FB4000FRR	0603	Weilin	1	100kΩ			NTC

62	ZD101	MMSZ18VCW	SOD-123	德昌	1	18Vz			zener
63	ZD102	MM3Z18VCW	SOD-323	JINAN JINGHENG	1	18Vz			zener
64	PH101, PH102	EL1018(TA)-VG	SMD	Everlight	2	CTR=130-260%			opto-coupler
65	LF101	HF70 T8X4X4		TDK	1	90uH			CM choke
66	LF201	HF70 T8X4X4		TDK	1	28uH			CM choke
67	L1	Salom offered	RM8		1	200uH			inductor
68	L102	BLM31PG500SN1	1206	Murata	2	3A/50Ω			ferrite bead
69	L104	dismantled			1	6.8uH			inductor
70	T1	Salom offered	RM10		1	240uH			transformer
71	FB101, FB102, FB107	BCMS321611A121 5A	1206	HongyeX	3	5A/120Ω			ferrite bead
72	FB103, FB106, FB108, FB109, FB201	BCAS160808A331	0603	HongyeX	5	0.2A/330Ω			ferrite bead
73	U101	NCP1623A	TSOP-6	On-Semiconductor	1				PFC controller
74	U102	NCP1342AMDCDD	SOIC-9	On-Semiconductor	1				QRF controller
75	U201	MP6908AGJ-Z	TSOT23-6	MPS	1				SR controller
76	Q101	TP65H150LSG	8x8mm PQFN	Transphorm	1	150mΩ		650Vdc	GaN
77	Q102	TP65H300G4LSG	8x8mm PQFN	Transphorm	1	240mΩ		650Vdc	GaN
78	Q103	MMBT2222A	SOT-323	On-Semiconductor	1	1A		40Vdc	NPN
79	Q104	BSS123	SOT-23	YJ	1	0.2A		100Vdc	NPN
80	Q201, Q202	AONS62922	DFN 5x6mm	AOS	2	85A, 7mΩ		120Vdc	SR NMOS
81	PCB	TPA1001C02 MB-REV.A	57.5x57.7x1.2mm		1	FR4, TG150, 2layers		Cu 2/2oz	PCB

PCBA - Daughter J Board

No.	Designator	Part No.	Package	Manufacturer	Qty	Value	Tolerance	Voltage, Current, Power	Description
1	CX101	JB334K30LAXL2		鋽谷	1	330nF		300Vdc	X-cap
2	CB101, CB102	UP684KT4LAXV1		鋽谷	2	680nF		450Vdc	MPP-capacitor
3	L101	T13X8X5	13x8x5mm	耀潤	1	124uH			DM choke
4	LF102	T14X7X8	14x7x8mm	耀潤	1	20mH			CM choke
5	BD101, BD102	HBS610	HBS	Diodes	2	6A/0.96Vf		1000Vdc	bridge diode
6	PCB	TPA1001C02 DB1-REV.A	39.96x27.3x1.2mm		1	FR4, TG150, 2layers		Cu 2/2oz	PCB

PCBA - PD Board

No.	Designator	Part No.	Package	Manufacturer	Qty	Value	Tolerance	Voltage, Current, Power	Description
1	R2		0603	Yageo	1	1MΩ	1%	1/10W	resistor
2	R15, R15A	LR1206-21R010F4 MA120610FR010FZ	1206	旺詮 Everohms	2	10mΩ	1%	1/1W	resistor
3	R26, R29		0603	Yageo	2	2.2Ω	1%	1/10W	resistor
4	R30		0603	Yageo	1	5.1kΩ	1%	1/10W	resistor
5	R31, R33		0603	Yageo	2	22Ω	1%	1/10W	resistor
6	R34		0603	Yageo	1	47kΩ	1%	1/10W	resistor
7	R36		0603	Yageo	1	51Ω	1%	1/10W	resistor
8	R39		0603	Yageo	1	1.5kΩ	1%	1/10W	resistor
9	R40		0603	Yageo	1	3kΩ	1%	1/10W	resistor
10	R42		0603	Yageo	1	0Ω	1%	1/10W	resistor
11	R43	open	0603		1				resistor
12	R44		0603	Yageo	1	30kΩ	1%	1/10W	resistor
13	R47		0603	Yageo	1	2kΩ	1%	1/10W	resistor
14	R48	open	0603		1				resistor
15	C18		0603	Yageo	1	0.1uF		10Vdc	capacitor
16	C19, C22		0603	Yageo	2	390pF		50Vdc	capacitor
17	C20	open	0603		1				capacitor
18	C21	0805B225K250CTHF	0805	Walsin	1	2.2uF		25Vdc	capacitor
19	C23, C24		0603	Yageo	2	0.1uF		50Vdc	capacitor
20	C25	open	0603		1				capacitor
21	C26	open	0603		1				capacitor
22	C29	0603X106K100CTHF	0603	Walsin	1	10uF		10Vdc	capacitor
23	C31	open	0603		1				capacitor
24	D12	1N4148WS	SOD-123		1	0.15A/1.25Vf		75Vdc	diode
25	ZD1	DESD3Z24WS-HAF	SOD-323	BC	1	24Vz			zener
26	ZD2, ZD3	DESD3Z5.0-HAF	SOD-323	BC	2	5Vz			zener
27	ZD4, ZD5	DESD3Z8.0C-HAF	SOD-323	BC	2	8Vz			zener
28	U202	WT6636F-UG16CWTWT	DFN 5x5mm	Weltrend	1				PD controller
29	Q203	AON7528 FKBB3016 VS3610AE	DFN 3.3x3.3mm DFN 3.3x3.3mm DFN 3.3x3.3mm	AOS FET 威兆	1	2mΩ		30Vdc	PD NMOS

30	Type-C	NAR25-CB5V21		ACON	1			type-C connector
31	PCB	CPCB-1203 REV.C	18.23x27.38x0.8mm		1	FR4, TG150, 2layers	Cu 2/2oz	PCB