

TDADP-TPH-ON-USBC-65W-RD Bill of Materials (BOM)

Description	Designator	Manufacturer	Part Number
Main Board			
0.47uF, 450V, X7T, 1812	C1	TDK	CGA8N4X7T2W474M230KA
0.47uF, 450V, X7T, 1812	C2	TDK	CGA8N4X7T2W474M230KA
0.47uF, 450V, X7T, 1812	C3	TDK	CGA8N4X7T2W474M230KA
0.47uF, 450V, X7T, 1812	C4	TDK	CGA8N4X7T2W474M230KA
330pF, NPO, 16V, 0402	C5	AVX	0402YA331JAT2A
10uF, 25V, X7R, 1206	C6	TDK	CGA5L1X7R1E106M160AC
1uF, 25V, X7R, 0603	C7	TDK	C1608X7R1E105K080AB
10uF, 25V, X7R, 1206	C8	TDK	CGA5L1X7R1E106M160AC
0.1uF, 25V, X7R, 0603	C9	AVX	06033C104KAT4A
4.7uF, 10V, X7S, 0603	C10	TDK	C1608X7S1A475M080AC
0.1uF, X7R, 25V, 0402	C11	AVX	04023C104KAT2A
1uF, X7R, 25V, 0603	C12	TDK	C1608X7R1E105K080AB
68nF, X7R, 25V, 0402	C13	TDK	GRM155R71E683KE14D
68nF, X7R, 25V, 0402	C14	TDK	GRM155R71E683KE14D
68nF, X7R, 25V, 0402	C15	TDK	GRM155R71E683KE14D
100pF, NPO, 25V, 0402	C16	Taiyo Yuden	TMK042CG101JC-W
100pF, NPO, 25V, 0402	C17	Taiyo Yuden	TMK042CG101JC-W
1uF, X7R, 25V, 0603	C18	AVX	0603ZC105KAT2A
4.7nF, X7R, 25V, 0402	C19	AVX	04023C472KAT2A
560pF, NPO, 50V, 0402	C20	Yageo	CC0402JRNPO9BN561
560pF, NPO, 50V, 0402	C21	Yageo	CC0402JRNPO9BN561
560pF, NPO, 50V, 0402	C22	Yageo	CC0402JRNPO9BN561
560pF, NPO, 50V, 0402	C23	Yageo	CC0402JRNPO9BN561
NC	C24	---	---
100pF, NPO, 25V, 0402	C25	Taiyo Yuden	TMK042CG101JC-W
12pF, NPO, 25V, 0402	C26	AVX	04023A120KAT2A
10nF, X7R, 50V, 0402	C27	Yageo	C0402C103K5RECAUTO
NC	C28	---	---
2.2nF, 500V, NPO, 1206	C29	TDK	CGJ5H4C0G2H222J115AA
0.1uF, X7R, 25V, 0603	C30	AVX	06033C104KAT4A
10uF, 25V, X7R, 1206	C31	TDK	CGA5L1X7R1E106M160AC
10uF, 25V, X7R, 1206	C32	TDK	CGA5L1X7R1E106M160AC
2.2uF, 100V, X7R, 1206	C33	AVX	12061C225K4T2A
2.2uF, 100V, X7R, 1206	C34	AVX	12061C225K4T2A
2.2uF, 100V, X7R, 1206	C35	AVX	12061C225K4T2A
68nF, X7R, 25V, 0603	C36	AVX	06033C683KAT2A
47nF, 500V, X7R, 1206	C37	TDK	GRM31CR72H473KW09L
NC	C38	---	---
22uF, 400V, Ymin, D10X13.5mm	CE1	Ymin	KCX Series
33uF, 400V, Ymin, D10x18mm	CE2	Ymin	KCX Series
18uF, 400V, Ymin, D8x17mm	CE3	Ymin	KCX Series

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18uF, 400V, Ymin, D8x17mm	CE4	Ymin	KCX Series
33uF, 400V, Ymin, D10x18mm	CE5	Ymin	KCX Series
820uF, 25V, Ymin, D8x16.5mm	CE6	Ymin	VPX Series
470uF, 25V, Ymin, D6.3x13mm	CE7	Ymin	VPX Series
220nF, 275V, Pitch 7.5mm, WQC	CX1	WQC	---
470pF, Y5P	CY1	TRX	TMY1471K
220pF, Y5P	CY2	TRX	TBY2221KB
220pF, Y5P	CY3	TRX	TBY2221KB
RSFML, SOD123	D1	Taiwan Semiconductor	RSFML RVG
RSFML, SOD123	D2	Taiwan Semiconductor	RSFML RVG
P10L150SP, TO-277	D3	PFC Device	P10L150SP
BAS16HT1G, SOD323	D4	On-Semi	BAS16HT1G
BAS20HT1G, SOD323	D5	On-Semi	BAS20HT1G
BAS20HT1G, SOD323	D6	On-Semi	BAS20HT1G
ES1JFL	D7	On-Semi	ES1JFL
S1MWF-7	D8	DIODES	S1MWF-7
ZHCS400TA	D9	DIODES	ZHCS400TA
ES1JFL	D10	On-Semi	ES1JFL
BAS20HT1G, SOD323	D11	On-Semi	BAS20HT1G
HBS610	DB1	Dyelec	HBS610
3.15A, 250V, 5ET, Slow blow	F1	Hollyfuse	RST 3.15-BULK
MMZ1608S800AT	FB1	TDK	MMZ1608S800AT
HF70 T10x3x6	FB2	TDK	HF70 T10x3x6
ACME K12, T9x5x3C	L1	Createk	DXT009078-A
ACME A10, T10x6x5C	L2	Createk	DXT010079-A
22uH	L3	Bourns	SRR4528A-220M
10R, 1206, 5%, 1/4W	L4	---	---
Jumper wire, D0.5mm, L12mm, P5mm	NTC1	---	---
100K	NTC2	MuRata	NCP18WF104F12RB
Main Board, 2oz, FR4, 38x48mm, T1mm	PCB	---	---
AONS62922, SOP-8(5x6mm)	Q1	Alpha & Omega	AONS62922
BSZ0902NS, TSDSON-8	Q2	Infineon	BSZ0902NS
TP65H300G4LSG, 8x8_PQFN(LS)	Q3	Transphorm	TP65H300G4LSG
BSS123, SOT23	Q4	Fairchild	BSS123
1.5K, 0805, 5%, 1/8W	R1	---	---
1.5K, 0805, 5%, 1/8W	R2	---	---
NC	R3	---	---
NC	R4	---	---
NC	R5	---	---
300R, 0402, 1%, 1/16W	R6	---	---

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Description	Designator	Manufacturer	Part Number
0402, Jumper	R7	---	---
10K, 0402, 5%, 1/16W	R8	---	---
43K, 0402, 1%, 1/16W	R9	---	---
510R, 0603, 5%, 1/10W	R10	---	---
4.7K, 0402, 5%, 1/16W	R11	---	---
1M, 0402, 5%, 1/16W	R12	---	---
100K, 0402, 1%, 1/16W	R13	---	---
10K, 0402, 5%, 1/16W	R14	---	---
47K, 0402, 1%, 1/16W	R15	---	---
0805, 5mR, 1/2W	R16	Panasonic	ERJ-6LWFR005V
22R, 0402, 5%, 1/16W	R17	---	---
22R, 0402, 5%, 1/16W	R18	---	---
5.1R, 0402, 5%, 1/16W	R19	---	---
5.1R, 0402, 5%, 1/16W	R20	---	---
4.7K, 0402, 1%, 1/16W	R21	---	---
47K, 0402, 1%, 1/16W	R22	---	---
0805, 1K	R23	Panasonic	ERJ-P06F1001V
5.1K, 0402, 5%, 1/16W	R24	---	---
10R, 0603, 5%, 1/10W	R25	---	---
5.6K, 0402, 1%, 1/16W	R26	---	---
82K, 0402, 1%, 1/16W	R27	---	---
680K, 0805, 1%, 1/8W	R28	---	---
100R, 0402, 1%, 1/16W	R29	---	---
0.43R, 1206, 1%, 1/2W	R30	Panasonic	ERJ-8BQFR43V
2.4K, 0402, 1%, 1/16W	R31	---	---
9.1K, 0603, 1%, 1/10W	R32	---	---
820R, 0402, 1%, 1/16W	R33	---	---
1.3M, 1206, 5%, 1/4W	R34	---	---
0.43R, 1206, 1%, 1/2W	R35	Panasonic	ERJ-8BQFR43V
NC	R36	---	---
100K, 0603, 5%, 1/10W	R37	---	---
300R Ferrite Bead, 0603	R38	TDK	MMZ1608S301AT
300R Ferrite Bead, 0603	R39	TDK	MMZ1608S301AT
1.5K, 0805, 5%, 1/8W	R40	---	---
39R, 0805, 5%, 1/8W	R41	---	---
RM8 Transformer	T1	Createk	DXM008042-B
Opto-Coupler-SMD5KV	U1	CT Micro	CT1019
MP6908A, SOT2306	U2	MPS	MP6908A
PD controller, 4x4mm	U3	Weltrend	WT6633P
NCP1342AMDCDD1R2G	U4	On-Semi	NCP1342AMDCDD1R2G
MOV-07D511K	VDR1	VDR	MOV-07D511K
Zener Diode, 12V, 2%, Fairchild	ZD5	DIODES	MM3Z12VB

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Description	Designator	Manufacturer	Part Number
Heatsink, Copper, 1x10x20mm	HS1	---	---
Power Delivery Board			
USB Type-C connector, 16P	CN1	SHENZHEN HONGSEN PRECISION ELECTRONICS	USBC-202N03A03
FR4, 1.0mm, 2oz, 7.3x15.7mm, 4 layers, R01	PCB	---	---
TVS, 24V, SOD323	ZD1	KF	GBLC24
TVS, 24V, SOD323	ZD2	KF	GBLC24
TVS, 5V, SOD323	ZD3	KF	ESD3Z5V0
TVS, 5V, SOD323	ZD4	KF	ESD3Z5V0