

Item	Quantity	Reference	Part	Manufacturer	Manufacturer Part No	Description	
1	12	C1,C2,C3,C4,	220nF	c0201	TDK Corporation	C0603X5R1A224K	CAP CER 0.22UF 10V X5R 0201
		C9,C10,C11,C12,C13,C14,					
		C15,C16					
2	0	C5,C6, C7, C8	DNI - 220nF	c0201	TDK Corporation	C0603X5R1A224K	CAP CER 0.22UF 10V X5R 0201
3	3	C17,C24,C25	10uF	805	Samsung	CL21B106KQ0NNNE	CAP CER 10UF 16V X7R 0805
4	0	C34,C35	DNI - 10uF	805	Samsung	CL21B106KQ0NNNE	CAP CER 10UF 16V X7R 0805
5	3	C18,C19,C20	1uF	c0201	Murata Electronics No	GRM033R60J105MEA2D	CAP CER 1UF 6.3V X5R 0201
6	10	C21,C22,C23,C27,C28,C29,	0.1uF	c0201	Murata Electronics No	GRM033R61A104ME15D	CAP CER 0.1UF 10V X5R 0201
		C32,C33, C30,C31					
7	1	C26	22uF	805	Taiyo Yuden	JMK212BJ226KG-T	CAP CER 22UF 6.3V X5R 0805
8	0	C36	DNI - 22uF	805	Taiyo Yuden	JMK212BJ226KG-T	CAP CER 22UF 6.3V X5R 0805
9	1	D1	SCHOTTKY	diode_smb	NXP Semiconductors	PMEG3050EP,115	DIODE SCHOTTKY 30V 5A SOD128
10	5	D2,D3,D4,D5	Green	led0805	Lite-On Inc	LTST-C170KGKT	LED GREEN CLEAR 0805 SMD
11	0	D6	DNI - Green	led0805	Lite-On Inc	LTST-C170KGKT	LED GREEN CLEAR 0805 SMD
		JMP1,JMP2,JMP3,JMP4,JMP5,JMP6,			Samtec Inc	HTSW-104-07-G-S	
12	10	JMP7,JMP8,JMP9,JMP11	4 Pin-T Berg Jumper	berg2x3tee			4 Positions Header Connector Through Hole
13	2	JMP10,JMP12	5Pin-T Berg Jumper	berg2x5tee	Samtec Inc	HTSW-105-07-G-S	5 Positions Header Connector Through Hole
14	5	J1,J2,J3,J4	CON02	HDR_THVT_1x2_100_M	Samtec Inc	HTSW-102-07-G-S	2 Positions Header Connector Through Hole
15	0	J6	DNI - CON02	HDR_THVT_1x2_100_M	Samtec Inc	HTSW-102-07-G-S	2 Positions Header Connector Through Hole
16	1	J5	DC_PWR_JACK	pj-202ah	CUI	PJ-202AH	CONN PWR JACK 2X5.5MM KINKED PIN
17	1	L1	1uH	IND_NR3015	Taiyo Yuden	NR3015T1R0N	FIXED IND 1UH 2.1A 36 MOHM SMD
18	0	L2	DNI - 1uH	IND_NR3015	Taiyo Yuden	NR3015T1R0N	FIXED IND 1UH 2.1A 36 MOHM SMD
19	4	M1,M2,M3,M4	#4-40 1/2	mprrt-shcs-00001-0000	MSC	05664057	screws
20	4	M5,M6,M7,M8	#4-40 1in	mprrt-stan-00001-0000	Mouser	534-2031	Standoff
21	1	P1	Wurth 632712000021	t_632_712_000_b6_b7	Würth Electronics Inc	632712000021	CONN PLUG USB TYPE C SMD
22	1	P2	JAE DX07S024J12	-C_SMRT_DX07S024J12	JAE Electronics	DX07S024J12R1300	CONN RCPT USB3.1 TYPEC SMD R/A
23	2	R1,R2	* 0 Ohm	r0402	Yageo	RC0402JR-070RL	RES SMD 0.0OHM JUMPER 1/16W 0402
24	17	R3,R4,R5,R6,R7,R8,R9,R10,	1K	r0402	Vishay Dale	CRCW04021K00FKED	RES SMD 1K OHM 1% 1/16W 0402
		R19,R20,R24,R25,R26,R29,					
		R30,R33,R35					
25	9	R11,R12,R13,R14,R15,R16,	100K	r0402	Yageo	RC0402FR-07100KL	RES SMD 100K OHM 1% 1/16W 0402
		R17,R18,R42					
26	12	R21,R23,R27,R28,R31,R32,	20K	r0402	Vishay Dale	CRCW040220K0FKED-	RES SMD 20K OHM 1% 1/5W 0402
		R34,R37,R49,R50,R58,R57					
27	1	R39	178K	r0402	Panasonic Electronic C	ERJ-2RKF1783X	RES SMD 178K OHM 1% 1/10W 0402
28	0	R36,R55	DNI - 178K	r0402	Panasonic Electronic C	ERJ-2RKF1783X	RES SMD 178K OHM 1% 1/10W 0402
29	1	R40	0 Ohm	r1206	Vishay Dale	CRCW12060000Z0EA-	RES SMD 0.0 OHM JUMPER 1/4W 1206
30	0	R56	DNI - 0 Ohm	r1206	Vishay Dale	CRCW12060000Z0EA-	RES SMD 0.0 OHM JUMPER 1/4W 1206
23	2	R41	330 Ohm	r0603	Yageo	RC0603FR-07330RL	RES SMD 330 OHM 1% 1/10W 0603
23	0	R52	DNI - 330 Ohm	r0603	Yageo	RC0603FR-07330RL	RES SMD 330 OHM 1% 1/10W 0603
24	4	R43,R44,R51	0	r0402	Panasonic Electronic C	ERJ-2GE0R00X	RES SMD 0.00HM JUMPER 1/10W 0402
24	0	R38	DNI - 0	r0402	Panasonic Electronic C	ERJ-2GE0R00X	RES SMD 0.00HM JUMPER 1/10W 0402
25	2	R45,R74	200	r0402	Panasonic Electronic C	ERJ-2RKF2000X	RES SMD 200 OHM 1% 1/10W 0402
26	2	R46,R75	1.5K	r0402	Panasonic Electronic C	ERJ-2RKF1501X	RES SMD 1.5K OHM 1% 1/10W 0402
27	2	R47,R60	3.9K	r0402	Panasonic Electronic C	ERJ-2RKF3901X	RES SMD 3.9K OHM 1% 1/10W 0402
28	2	R48,R59	6.2K	r0402	Panasonic Electronic C	ERJ-2GEJ622X	RES SMD 6.2K OHM 5% 1/10W 0402
29	7	R70,R71,R72,R69, R53, R54, R66	0	r0201	Panasonic Electronic C	ERJ-1GN0R00C	RES SMD 0.00HM JUMPER 1/20W 0201
30	0	R61,R62,R63,R64,R65	DNI - 0	r0201	Panasonic Electronic C	ERJ-1GN0R00C	RES SMD 0.00HM JUMPER 1/20W 0201
31	3	R67,R68,R73	75	r0603	Yageo	RC0603JR-0775RL	RES SMD 75 OHM 5% 1/10W 0603
32	0	R22	DNI - 39.2K	r0402	Yageo	RC0402FR-0739K2L	RES SMD 39.2K OHM 1% 1/16W 0402
33	1	SW1	8-POS 50-MIL SMT	SW_SMVT_SPST_TDA08	C&K Components	TDA08H05B1	SWITCH SLIDE DIP SPST 25MA 24V
34	1	U1	TUSB1046	VOOD_C14861_QFN-40	Texas Instruments	TUSB1046	USB Type-C DP ALT Mode, 10 Gbps Linear Redriver Crosspoint Switch
35	1	U2	TPS62082DSGT	dsg	Texas Instruments	TPS62082DSGT	1.2A High Efficient Step Down Converter in 2x2mm SON Package. 3.3 Vout (Min)
36	1	U3	TPD6S300	ruk020b	Texas Instruments	TPD6S300RUKR	USB Type-C™ Port Protector: Short-to-VBUS Overvoltage and IEC ESD Protection
37	2	U4,U5	TPD4E02B04	dqa0010a	Texas Instruments	TPD4E02B04DQAR	4-Channel ESD Protection Diode for USB Type-C and HDMI 2.0
38	2	U6,U7	DNI TUSB212	rgy_s-pvqfn-n14	Texas Instruments	TUSB212RWB	USB 2.0 High Speed Signal Conditioner
39	0	U8	DNI - TPS62082	dsg	Texas Instruments	TPS62082DSGT	1.2A High Efficient Step Down Converter in 2x2mm SON Package. 3.3 Vout (Min)
40	1	LB1	White Sticker		3M	THT-14-423-10	Sticker Text: TUSB1046EVM-008 HSDC008-002 Rev A
41	1	PCB board	TUSB1046EVM-008		ANY	HSDC008-003	TUSB1046EVM-008 PCB Board

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