

Item	Quantity	Reference	Part	Manufacturer	Manufacturer Part No	Description	
1	16	C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,	220nF	c0201	TDK Corporation	C0603X5R1A224K	CAP CER 0.22UF 10V X5R 0201
2	3	C17,C24,C25	10uF	805	Samsung	CL21B106KOQNNNE	CAP CER 10UF 16V X7R 0805
3	0	C34,C35	DNI - 10uF	805	Samsung	CL21B106KOQNNNE	CAP CER 10UF 16V X7R 0805
4	3	C18,C19,C20	1uF	c0201	Murata Electronics No	GRM033R60J105MEA2D	CAP CER 1UF 6.3V X5R 0201
5	8	C21,C22,C23,C27,C28,C29,C32,C3	0.1uF	c0201	Murata Electronics No	GRM033R61A104ME15D	CAP CER 0.1UF 10V X5R 0201
6	0	C30,C31	DNI - 0.1uF	c0201	Murata Electronics No	GRM155R71C104KA88D	CAP CER 0.1UF 10V X5R 0201
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
12	10	JMP1,JMP2,JMP3,JMP4,JMP5,JM P6,JMP7,JMP8,JMP9,JMP11	4 Pin-T Berg Jumper	berg2x3tee	Samtec Inc	HTSW-104-07-G-S	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	CUJ	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	1	LB1	Label			3M	THT-14-423-10
20	4	M1,M2,M3,M4	NY PMS 440 005 PH	Screw	B&F Fastener	NY PMS 440 0050 PH	40x.5 inch nylon
21	4	M5,M6,M7,M8	1902E	Standoff	Keystone	1902E	Standoff
22	1	P1	Würth 632712000021	t_632_712_000_b6_b7	Würth Electronics Inc	632712000021	CONN PLUG USB TYPE C SMD
23	1	P2	JAE DX075024JJ2	-C_SMRT_DX075024JJ2	JAE Electronics	DX075024JJ2R1300	CONN RCPT USB3.1 TYPEC SMD R/A
24	1	PCB1	HSDC008	n/a	Any	HSDC008	PCB
25	0	R1,R2	DNI - 0 Ohm	r0402	Yageo	RC0402JR-070RL	RES SMD 0.00HM JUMPER 1/16W 0402
26	17	R3,R4,R5,R6,R7,R8,R9,R10,R19,R	1K	r0402	Vishay Dale	CRCW04021K00FKED	RES SMD 1K OHM 1% 1/16W 0402
27	9	R11,R12,R13,R14,R15,R16,R17,R	100K	r0402	Yageo	RC0402FR-07100KL	RES SMD 100K OHM 1% 1/16W 0402
28	12	R21,R23,R27,R28,R31,R32,R34,R3	20K	r0402	Vishay Dale	CRCW040220K0FKED	RES SMD 20K OHM 1% 1/5W 0402
29	1	R39	178K	r0402	Panasonic Electronic C	ERJ-2RKF1783X	RES SMD 178K OHM 1% 1/10W 0402
30	0	R36,R55	DNI - 178K	r0402	Panasonic Electronic C	ERJ-2RKF1783X	RES SMD 178K OHM 1% 1/10W 0402
31	1	R40	0 Ohm	r1206	Vishay Dale	CRCW12060000Z0EA	RES SMD 0.0 OHM JUMPER 1/4W 1206
32	0	R56	DNI - 0 Ohm	r1206	Vishay Dale	CRCW12060000Z0EA	RES SMD 0.0 OHM JUMPER 1/4W 1206
33	2	R41	330 Ohm	r0603	Yageo	RC0603FR-07330RL	RES SMD 330 OHM 1% 1/10W 0603
34	0	R52	DNI - 330 Ohm	r0603	Yageo	RC0603FR-07330RL	RES SMD 330 OHM 1% 1/10W 0603
35	1	R51	0	r0402	Panasonic Electronic C	ERJ-2GE0R00X	RES SMD 0.00HM JUMPER 1/10W 0402
36	0	R38,R43,R44,	DNI - 0	r0402	Panasonic Electronic C	ERJ-2GE0R00X	RES SMD 0.00HM JUMPER 1/10W 0402
37	2	R45,R74	200	r0402	Panasonic Electronic C	ERJ-2RKF2000X	RES SMD 200 OHM 1% 1/10W 0402
38	2	R46,R75	1.5K	r0402	Panasonic Electronic C	ERJ-2RKF1501X	RES SMD 1.5K OHM 1% 1/10W 0402
39	2	R47,R60	3.9K	r0402	Panasonic Electronic C	ERJ-2RKF3901X	RES SMD 3.9K OHM 1% 1/10W 0402
40	2	R48,R59	6.2K	r0402	Panasonic Electronic C	ERJ-2GEJ622X	RES SMD 6.2K OHM 5% 1/10W 0402
41	7	R61,R62,R63,R64,R65,R71,R72	0	r0201	Panasonic Electronic C	ERJ-1GN0R00C	RES SMD 0.00HM JUMPER 1/20W 0201
42	0	R53,R54,R66,R69,R70	DNI - 0	r0201	Panasonic Electronic C	ERJ-1GN0R00C	RES SMD 0.00HM JUMPER 1/20W 0201
43	3	R67,R68,R73	75	r0603	Yageo	RC0603JR-0775RL	RES SMD 75 OHM 5% 1/10W 0603
44	0	R22	DNI - 39.2K	r0402	Yageo	RC0402FR-0739K2L	RES SMD 39.2K OHM 1% 1/16W 0402
45	12	SHNT1,SHNT2,SHNT3,SHNT4,SH NT5,SHNT6,SHNT7,SHNT8,SHNT9 SHNT10,SHNT11,SHNT12	QPC02SXGN-RC	0.1	Sullins Connector Solutions	QPC02SXGN-RC	CONN JUMPER SHORTING .100" GOLD
46	1	SW1	8-POS 50-MIL SMT	SW_SMVPT_SPST_TDA08	C&K Components	TDA08H05B1	SWITCH SLIDE DIP SPST 25MA 24V
47	1	U1	TUSB1044	40 pin QFN	Texas Instruments	TUSB1044RNQ	USB Type-C DP ALT Mode, 10 Gbps Linear Redriver Crosspoint Switch
48	1	U2	TPS62080DSGT	dsg	Texas Instruments	TPS62080DSGT	1.2A High Efficient Step Down Converter in 2x2mm SON Package. 3.3 Vout (Min)
49	1	U3	TPD6S300	ruk0020b	Texas Instruments	TPD6S300RUKR	USB Type-C™ Port Protector: Short-to-VBUS Overvoltage and IEC ESD Protection
50	2	U4,U5	TPD4E02B04	dqa0010a	Texas Instruments	TPD4E02B04DQAR	4-Channel ESD Protection Diode for USB Type-C and HDMI 2.0
51	2	U6,U7	TUSB212	rgy_s-pvqfn-n14	Texas Instruments	TUSB212RWB	USB 2.0 High Speed Signal Conditioner
52	0	U8	DNI - TPS62082	dsg	Texas Instruments	TPS62082DSGT	1.2A High Efficient Step Down Converter in 2x2mm SON Package. 3.3 Vout (Min)

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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