

Comment	Description	Value	Designator	Footprint	Quantity
100µF	CAP-ELC 100u 25V 20% SMD D6.3mm H7.7mm R4.4mm		C1, C6, C17	CAPAE660X8.00N_D8	3
100nF	CAP-CER 100n 50V 10% SMD 0603 X7R		C4, C7, C8, C9, C10, C11, C12, C13	CAPC1608X0.95N_0603	8
10µF	CAP-CER 10u 25V 10% SMD 1206 X7R		C14	CAPC3216X1.80N_1206	1
V8PAM10S	DIO-SKY 100V 840mV 8A SMD DO-221BC-2 V8PAM10S		D1, D3, D5	DO-221BC	3
6.3A 250V	NResettable, 6.3A, 250V, SMD UMT250		F1	FUSC10030X3.00N	1
120	FERRIT-BEAD-120R-3A- 1206		FB1, FB2	INDC3216X1.30N_1206	2
USB 3.1 C Receptacle	USB 3.1 Type C Receptacle Horizontal THR WR-COM		J1, J2	C165948	2
Terminalblock X2			J3, J4, J5	TerminalblockX2	3
Inductor	Inductor	15uH	L1	12x12_L-Footprint	1
Marker IPC7351	Fiducial Marker IPC7351 Diameter 1.5mm, Clearance Diameter 3mm		MP1, MP2, MP3, MP4, MP5, MP6	PCB-Marker_IPC7351	6
NCE3080	NCE N-Channel Enhancement Mode Power MOSFET		Q1	NCE3080	1
SI2318CDS-T1-GE3	N-MOSFET SI2318CDS- T1-GE3		Q2, Q3	SOT95P240X1.10- 3N_SOT-23	2
0	RES 0R 250mW SMD 1206 G		R1, R14, R19, R24, R38	RESC3216X0.65N_1206	5
1.5k	RES 1k5 1% 100mW TK100 SMD 0603 G		R8, R12, R18, R20	RESC1608X0.55N_0603	4
Res	Resistor	5m	R13	R2512	1
100k	RES 100k 1% 100mW TK100 SMD 0603 G		R15, R16, R23	RESC1608X0.55N_0603	3
33K	RES 33k 1% 100mW TK100 SMD 0603 G		R17	RESC1608X0.55N_0603	1
10k	RES 10k 1% 100mW TK100 SMD 0603 G		R22, R26, R27, R28, R29, R31, R32, R33, R34, R35, R36	RESC1608X0.55N_0603	11
Relay, SRA-xVDC-CL			S1	SRA-24VDC-CL	1
RT8289	Buck Step Down Regulator with 5.5 to 36 V Input and 1.23 to 31 V Output, -40 to 125 degC, 8-Pin SOIC (D), Green (RoHS & no Sb/ Br)		U2	SOP8-EP	1
TPS25740B			U3	QFN-24_EP	1