

Designator	Quantity	Value	Footprint	Manufacture Part #	Supplier Part #	Description
C1,C6,C11	3	DNF				SMD Capacitor
C10	1	22pF	0603	0603CG220J500NT	JLC: C91701	SMD Capacitor
C16,C17,C18	3	1uF	0805	0805B105K500NT	JLC: C215803	SMD Capacitor
C19,C20	2	4.7uF	0805	0805X475K500CT	JLC: C296082	SMD Capacitor
C2,C7,C12	3	10uF	0805	0805B106K100NT	JLC: C90544	SMD Capacitor
C3,C4,C8,C9,C13,C14	6	22uF	0805	0805X226M100NT	JLC: C503482	SMD Capacitor
C5,C15	2	68pF	0603	06035A680JAT2A	JLC: C210002	LED Red
LED1,LED2	2		SML0805	D-R080508L3-KS2	JLC: C130114	P-Channel 30V 5A 1.3V @ 250uA 47mΩ @ 5A,10V 2W
Q1	1		TSOP-6	AO6401A	JLC: C102604	MOSFET N Trench 60V 4.1A 3V @ 250uA 85 mΩ @ 2.5A,10V
Q2	1		SOT-89-3	DMN6070SY-13	JLC: C129583	100mW 50V ±100ppm/°C ±1% -55°C~+155°C
R1,R4,R7	3	820k	0603	RS-03K8203FT	JLC: C322006	100mW Thick Film Resistors 75V ±100ppm/°C ±1% -55°C~+155°C
R11,R13	2	4.7k	0603	0603WAF4701T5E	JLC: C23162	100mW Thick Film Resistors 75V ±100ppm/°C ±1% -55°C~+155°C
R12	1	1.1k	0603	0603WAF1101T5E	JLC: C22764	100mW Thick Film Resistors 75V ±100ppm/°C ±1% -55°C~+155°C
R14,R15	2	1.5k	0603	0603WAF1501T5E	JLC: C22843	100mW Thick Film Resistors 75V ±100ppm/°C ±1% -55°C~+155°C
R16,R17	2	10k	0603	0603WAF1002T5E	JLC: C25804	100mW Thick Film Resistors 50V ±100ppm/°C ±1% -55°C~+125°C
R2,R8	2	143k	0603	CR0603FA1433G	JLC: C100772	100mW Thick Film Resistors 75V ±100ppm/°C ±1% -55°C~+155°C
R3,R9	2	750k	0603	0603WAF7503T5E	JLC: C23240	100mW Thick Film Resistors 75V ±100ppm/°C ±1% -55°C~+155°C
R5	1	91k	0603	0603WAF9102T5E	JLC: C23265	100mW Thick Film Resistors 150V ±100ppm/°C ±1% -55°C~+155°C
R6	1	681k	0603	ERJ3EKF6813V	JLC: C403328	100mW Thick Film Resistors 75V ±100ppm/°C ±1% -55°C~+155°C
U1,U2,U3	3	MP2155GQ-Z	QFN-10_MP2155_MNP	MP2155GQ-Z	JLC: C110397	QFN-10_3x3x05P DC-DC Converter
U4	1	3.3V	SOT23-5	AP2112K-3.3TRG1	JLC: C51118	Fixed 3.3V LDO
U5	1	BQ24074QFN_3X3	QFN_3X3	BQ24074RGTR	JLC: C54313	Battery Management IC
F1	1		1812	MF-MSMF200-2	RS: 647-8263	2A/8V PPTC Fuse
J1,J2,J3,J4,J5,J7,J8	7			S2B-PH-SM4-TB	RS: 688-1353	JST 2MM MALE RA CONNECTOR
J6	1			SM06B-SRSS-TB	RS: 546-8827	JST 6 pin vertical connector
L1,L2,L3	3		7050	744314330	RS: 736-1951	Shielded Wire-wound SMD Inductor