





Comment	Description	Designator	Footprint	LibRef	Quantity
1uF-0805	Capacitor: Ceramic: Cap: 100UF - Tol+- 10%- SMD- Vol-Rtg 50V_ X7R, Tape/Reel	C1, C6, C7, C8, C9, C10, C11, C12, C13, C14	CAPC2013X110N	C0805C104K5RACTU	10
2.2uF	Capacitor: Ceramic: Cap: 100UF - Tol+- 10%- SMD- Vol-Rtg 50V_ X7R, Tape/Reel	C2	CAPC2013X110N	C0805C104K5RACTU	1
470pF	Capacitor: Ceramic: Cap: 100UF - Tol+- 10%- SMD- Vol-Rtg 50V_ X7R, Tape/Reel	C3	CAPC2013X110N	C0805C104K5RACTU	1
1uF	Capacitor: Ceramic: Cap: 100UF - Tol+- 10%- SMD- Vol-Rtg 50V_ X7R, Tape/Reel	C4	CAPC2013X110N	C0805C104K5RACTU	1
100nF-0805	Capacitor: Ceramic: Cap: 100UF - Tol+- 10%- SMD- Vol-Rtg 50V_ X7R, Tape/Reel	C5	CAPC2013X110N	C0805C104K5RACTU	1
100nF	Capacitor: Ceramic: Cap: 100UF - Tol+- 10%- SMD- Vol-Rtg 50V_ X7R, Tape/Reel	C15, C16, C17	CAPC2013X110N	C0805C104K5RACTU	3
Cap Pol1	Polarized Capacitor (Radial)	C18, C19	R87.6-15	Cap Pol1	2
D Zener	Zener Diode 10V 1W ±5% Through Hole DO-41	D1	DIODE-0.7	D Zener	1
D Schottky	Schottky Diode	D3	SMB	D Schottky	1
TVS Diode	High Conductance Fast Diode	D4	DO-35	Diode 1N4944	1
LED2	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D5, D6	3.2X1.6X1.1	LED2	2
Fuse 1206	10A 32V AC 63V DC Fuse Board Mount (Cartridge Style Excluded) Surface Mount 1206 (3216 Metric)	F1	PCBComponent_1	F7	1
KT60-MotorB1		P1	PCBComponent_1	Component_1	1
KT60-MotorB2		P2	PCBComponent_1	Component_1	1
KT60		P3, P4	PCBComponent_1	Component_1	1
KT60-BATTIN		P5	PCBComponent_1	Component_1	1
BattConn		P6	68BatConn	Component_1	1
Header 8	Header, 8-Pin	P7	HDR1X8	Header 8	1
Header 2	Header, 2-Pin	P8, P9, P10, P11, P12	HDR1X2	Header 2	5
Mosfet P Channel		Q1, Q3	SOIC127P600X170- 8N	Q7	2
AO48B2		Q4	SOIC127P600X170- 8N	Component_1	1
100k - 0805	Res Thick Film 0805 2.2K Ohm 1% 0.125W,1/8W, A100ppm/AAZ Molded SMD Paper T/R	R1, R5	RESC2013X65N	RC0805FR-072K2L	2
10k - 0805	Res Thick Film 0805 2.2K Ohm 1% 0.125W,1/8W, A100ppm/AAZ Molded SMD Paper T/R	R4	RESC2013X65N	RC0805FR-072K2L	1
30k - 0805	Res Thick Film 0805 2.2K Ohm 1% 0.125W,1/8W, A100ppm/AAZ Molded SMD Paper T/R	R6	RESC2013X65N	RC0805FR-072K2L	1
91k	Resistor	R7	AXIAL-0.3	Res1	1
274k	Resistor	R8	AXIAL-0.3	Res1	1
2.3k-0805	Res Thick Film 0805 2.2K Ohm 1% 0.125W,1/8W, A100ppm/AAZ Molded SMD Paper T/R	R9	RESC2013X65N	RC0805FR-072K2L	1
330-0805	Res Thick Film 0805 2.2K Ohm 1% 0.125W,1/8W, A100ppm/AAZ Molded SMD Paper T/R	R10	RESC2013X65N	RC0805FR-072K2L	1
1k-0805	Res Thick Film 0805 2.2K Ohm 1% 0.125W,1/8W, A100ppm/AAZ Molded SMD Paper T/R	R11, R12	RESC2013X65N	RC0805FR-072K2L	2
20mohtm	Res Thick Film 0805 2.2K Ohm 1% 0.125W,1/8W, A100ppm/AAZ Molded SMD Paper T/R	R13	RESC2013X65N	RC0805FR-072K2L	1
47-0805	Res Thick Film 0805 2.2K Ohm 1% 0.125W,1/8W, A100ppm/AAZ Molded SMD Paper T/R	R14, R15, R16, R17, R18, R19, R20	RESC2013X65N	RC0805FR-072K2L	7
10k-0805	Res Thick Film 0805 2.2K Ohm 1% 0.125W,1/8W, A100ppm/AAZ Molded SMD Paper T/R	R21	RESC2013X65N	RC0805FR-072K2L	1
10k Thermistor	490-2456-1-ND	R11	6-0805_N	Res Thermal	1
SPST	SPST Switch	SW1	HDR1X2	Header 2	1
LDO		U1	SOIC127P600X170- 8N	U7	1
T1 BMS		U2	TSOP95P640X120- 20N	U7	1
EMI Filter		U4	Filter	EMIFilter	1