

Designator	Quantity	Description	Comment	LibRef	Supplier 1	Supplier Part Number 1
C1, C2, C10, C14		4 Ceramic Capacitor X7R 50V	C1206C105KSRACU	CC_1206_X7R_105	Mouser	81-GC31MR71H105KA2L
C3, C4, C5, C6, C7, C8, C9		7 Ceramic Capacitor X7R 50V	06035C104K4Z2A	CC_0603_X7R_104	Mouser	581-06035C104K4Z2A
C13		1 Low ESR Capacitor	EEUFC1V470	EEUFC1V-470	Mouser	667-EEU-FC1V470
D1, D2		2 Schottky Diode 40V, 500mA	NRVB0540T1G	NRVB0540T1G	Mouser	863-NRVB0540T1G
D3		1 Zener Diode 15V, 400mW	PDZ15B,115	PDZ15B,115	Mouser	771-PDZ15B-T/R
IC1		3- to 5-series Li-Ion 1 stackable battery protector	BQ7790521PW	BQ7790521PW	Mouser	595-BQ7790521PWR
IC2		Reverse Battery 1 Protection Ideal Diode Controller	LM74700D-Q1	LM74700D-Q1		
J1		Connector Header 1 Through Hole, Right Angle 5 position 0.098_2.50mm_	S5B-XH-A(LF)(SN)	S5B-XH-A(LF)(SN)		
J2		HEADER, 10 CONTACTS, 2 ROWS, THROUGH HOLE, 2.54 MM; Connector Systems:Board-to-Board; Pitch Spacing:2.54mm; No. of Rows:2Rows; No. of Contacts:10Contacts; Contact Termination Type:Through Hole; Product Range:HTSW Series RoHS Compliant: Yes	HTSW-105-08-TM-D	HTSW-105-08-TM-D		
J3		1 XT60 Connector	XT60-PCB-M	XT60-PCB-M		
J4		1 Connector	MR30PW-FB	MR30PW-FB	TME	MR30PW-FB
Q1, Q3, Q4		3 Single N-Channel 120V, 98A, 7.7mOhm	BSC077N12NS3 G	BSC077N12NS3 G	Mouser	726-BSC077N12NS3GATM
Q2		P-Channel Digital FET, -25 V, -0.46 A, 0.35 W, -55 to 150 degC, 3-Pin SOT-23, -55 to 150 degC, RoHS, Tape and Reel	FDV304P	FDV304P	Digi-Key	FDV304PCT-ND
R1, R4, R5, R6, R8		5 Resistor 1%, 0.1W, 75V	ERJ-3EKF1002V	CR_0603_102	Mouser	667-ERJ-3EKF1002V
R2, R3		2 Resistor Jumper	CR0603-J/-000ELF	CR_0603_ZERO	Mouser	652-CR0603-J/-000ELF
R7		1 Resistor 1%, 0.1W, 75V	CRGP0603F10K	CR_0603_103	Mouser	279-CRGP0603F10K
R9, R10		2 Resistor 1%, 0.1W, 75V	RC0603FR-074K7L	CR_0603_472	Mouser	603-RC0603FR-074K7L
R11, R15, R16		3 Resistor 1%, 0.1W, 75V	RC0603JR-071ML	CR_0603_105	Mouser	603-RC0603JR-071ML
R12		1 Resistor 1%, 0.1W, 75V	CRGQ0603F470K	CR_0603_474	Mouser	279-CRGQ0603F470K
R13, R14		2 Resistor 1%, 0.1W, 75V	RC0603FR-07100RL	CR_0603_101	Mouser	603-RC0603FR-07100RL
R17		1 Current Sense Resistor 1%, 3W, AEC-Q200	GMR100HTBPMR033	SHUNT_2512_0R033	Mouser	755-GMR100HTBPMR033