

Comment	Description	Designator	Quantity	Supplier	SuppliersPartNumber	Manufacturer	PartNumber
100nF	Chip capacitors	C1	1	LC	C49678	YAGEO	CC0805KRX7R9BB104
2.2uF	Chip capacitors	C2	1	LC	C49217	Guangdong Fenghua Advanced Tech	0805F225M500NT
10uF	Chip capacitors	C3, C6, C7	3	LC	C15850	Samsung Electro-Mechanics	CL21A106KAYNNNE
1nF	Chip capacitors	C4	1	LC	C51210	Samsung Electro-Mechanics	CL21B102KBANNNC
10nF	Chip capacitors	C5	1	LC	C1710	Samsung Electro-Mechanics	CL21B103KBANNNC
LM4040B-2.0	Precision Shunt Voltage Reference	D1	1				
0805 Blue	LED	D2	1	LC	C2293		
0805 Red	LED	D3	1	LC	C2295		
JST PH 4POS 2.00mm	JST-PH Conn	J1	1	LC	C157926	JST Sales America	S4B-PH-K-S(LF)(SN)
JST PH 2POS 2.00mm	JST-PH Conn	J2, J5	2	LC	C173752	JST Sales America	S2B-PH-K-S(LF)(SN)
JST PH 3POS 2.00mm	JST-PH Conn	J3	1	LC	C157929	JST Sales America	S3B-PH-K-S(LF)(SN)
AVR-ISP-6		J6	1	LC	C65114	Boom Precision Elec	C65114
SM3521-1R0MT	Power Inductor	L1	1	LC	C55366	Shun Xiang Nuo Elec	SM3521-1R0MT
WS2812B-Mini	RGB Addressable LED	LED1	1	LC	C114583	Worldsemi	WS2812B-Mini
2Ω ±1%	Chip resistor	PR1, PR2, PR3, PR4, PR5, PR6, PR7, PR8, PR9, PR10, PR11, PR12	12	LC	C49298	Uniroyal Elec	25121WF200KT4E
IRLML6244TRPBF	MOSFET-N	Q1, Q2	2	LC	C143946	Infineon Technologies	IRLML6244TRPBF
10KΩ ±1%	Chip resistor	R1	1	LC	C17414	Uniroyal Elec	
1KΩ ±1%	Chip resistor	R2	1	LC	C17513	Uniroyal Elec	
402KΩ ±1%	Chip resistor	R3	1	LC	C17680	Uniroyal Elec	0805W8F4023T5E
510KΩ ±1%	Chip resistor	R4	1	LC	C17733	Uniroyal Elec	0805W8F4023T5E
NCP21WB473J03RA	NTC Resistor 47K 5%	R5	1	LC	C113141	Murata Electronics	NCP21WB473J03RA
47KΩ ±1%	Chip resistor	R6, R7, R9, R12, R16	5	LC	C17713	Uniroyal Elec	
510Ω ±1%	Chip resistor	R8, R11	2	LC	C17734	Uniroyal Elec	
2.2KΩ ±1%	Chip resistor	R10, R15	2	LC	C17520	Uniroyal Elec	
51KΩ ±1%	Chip resistor	R17	1	LC	C17737	Uniroyal Elec	
ATTINY841-SSU	AtTiny AVR	U1	1	LC	C219103	Microchip Tech	ATTINY841-SSU
HMHA2801	Optocoupler	U2	1	LC	C258257	ON Semicon	HMHA2801AR2
ETA3000D2L	Inductive Cell Balancer IC	U3	1			ETA Solutions	ETA3000D2L