

Quantity (per design)	Reference Designator	Manufacturer	Manufacturer Part #	Price ea	Total	Description
2	C12 C14	KEMET	C0805X104K4RACAUTO	\$0.48	\$0.96	16V 0.1uF X7R 0805 10% AEC-Q200
2	C4 C8	AVX	581-12063D226KAT2A	\$1.15	\$2.30	Multilayer Ceramic Capacitors MLCC - SMD/SMT 25V 22uF X5R 1206 0.1
2	R2 R3	KOA Speer	RN73R1JTTD1002B50	\$0.45	\$0.90	10K ohm 0.1% 50 ppm
1	D4	ON Semiconductor	SS34	\$0.49	\$0.49	Schottky Diodes & Rectifiers 3A,40V,SM SCHOTTKY RECT
1	R1	Vishay	MCU08050C2201FP500	\$0.31	\$0.31	.125W 2.2Kohms 1% 0805 50ppm
1	C3	AVX	08056C105JAZ2A	\$1.98	\$1.98	6.3V 1uF X7R 0805 5% Tol FLEX
1	C6	Murata	GCM21BR71A225JA37L	\$0.42	\$0.42	0805 2.2uF 10volts X7R 5%
1	U1	Xi'AN Aerosemi Tech	MT3608	\$0.08	\$0.08	Step-Up Adjustable 1 2V 24V 28V SOT-23-6 DC-DC Converters RoHS
1	L1	Xi'AN Aerosemi Tech	SMRH74-220MT	\$0.08	\$0.08	SMD Power Inductors RoHS
1	RV1	Bourns Inc.	3296P-1-103LF	\$2.41	\$2.41	TRIMMER 10K OHM 0.5W PC PIN SIDE
1	U3	Microchip Technology / Atmel	ATMEGA328P-PU	\$2.14	\$2.14	IC MCU 8BIT 32KB FLASH 28DIP
12	D9 D8 D7 D6 D5 D3 D2 D1 D10 D11 D12 D13	btf-lighting	WS2812B1M60LB30	\$0.18	\$2.16	Adressable LEDs
1	Y1	TXC CORPORATION	9B-16.000MBBK-B	\$0.30	\$0.30	CRYSTAL 16.0000MHZ 20PF T/H
1	U2	Texas Instruments	LP2985-33DBVR	\$0.58	\$0.58	150-mA Low-Noise 1.5% tolerance A 595-LP2985-33DBVT
6	J2,J3,J4,J5,J6,J7,J9	3M	929834-01-01-RK	\$0.12	\$0.72	Headers & Wire Housings 1P PIN STRIP HEADER STRAIGHT, TIN, 1ROW
2	C15 C20	Würth Elektronik	885012000000	\$0.02	\$0.04	WCAP-CSGP 22pF 0402 5% 10V MLCC
1	J8	SparkFun Electronics	PRT-09279	\$0.50	\$0.50	Arduino Stackable Header - 8 Pin
1	J1	SparkFun Electronics	PRT-09280	\$0.50	\$0.50	Arduino Stackable Header - 6 pin
12	C13 C11 C10 C9 C7 C5 C2 C 2 C16 C17 C18 C19	KEMET	C320C104M5U5TA	\$0.30	\$3.60	50volts 0.1uF 20% Z5U A 80-C320C104M5U-TR
1	N/A (connector to be able to remove ATmega from board)	On Shore Technology Inc.	ED281DT	\$0.33	\$1.65	Connector
1	NOT USED ON BOARD	Yueton	HOME0032	\$0.70	\$0.70	battery cases
4	Out+ and Out-	Ultra Fire	113772293424	\$2.16	\$8.62	18650 Li-ion batteries
4	NOT USED ON BOARD	TAP Plastics	60% LW	\$1.50	\$6.00	Cut to size plastics
3	NOT USED ON BOARD	TAP Plastics	60% LW	\$1.50	\$4.50	Cut to size plastics
1	NOT USED ON BOARD	TAP Plastics	Acrylic Cement	\$7.25	\$7.25	Cut to size plastics
4	NOT USED ON BOARD	TAP Plastics		\$0.40	\$1.60	Cut to size plastics
2	NOT USED ON BOARD	TAP Plastics		\$3.30	\$6.60	Cut to size plastics