

Comment	Description	Designator	Quantity	Part Number	Manufacturer	Value
Cap	CAP CER 0.1UF 50V X7R RADIAL	C1, C2	2	C322C104K5R5TA7301	KEMET	100nF
Cap	CAP CER 10UF 10V X7R RADIAL	C3	1	FG24X7R1A106KRT06	TDK Corporation	10uF
Cap2	CAP ALUM 47UF 20% 35V RADIAL	C4	1	860010572005	Würth Elektronik	47uF
Cap	CAP CER 15UF 16V X7R RADIAL	C5	1	FG11X7R1C156MRT06	TDK Corporation	15uF
Cap2	CAP ALUM 100UF 20% 25V RADIAL	C6, C7	2	ESK107M025AE3EA	KEMET	100uF
1n5818	SCHOTTKY DO15 30V 1A 150C	D1	1	1N5818	STMicroelectronics	
Arduino Uno	Arduino UNO	E1	1	Arduino Uno	Arduino	
Microstepping Driver	A4988 breakout board.					
	ROB-12859 <a href="https://www.sparkfun.com/products/12859">https://www.sparkfun.com/products/12859</a>	E2	1	ROB-12859	SparkFun Electronics	
GREEN	LED GREEN DIFFUSED T-1 3/4 T/H	LED1	1	XLUG12D	SunLED	
RED	LED RED DIFFUSED T-1 3/4 T/H	LED2	1	XLUR12D	SunLED	
F Molex	CONN RCPT HSG 2POS 3.68MM	P1	1	0003061023	Molex	
Arduino_power connector, Header 2	Header, 2-Pin	P2, P4	2			
F Molex	CONN RCPT HSG 4POS 3.68MM	P3	1	0003061042	Molex	
F Molex_board	CONN RCPT 2POS IDC 24AWG GOLD	P5	1	0014562021	Molex	
M Molex	CONN PLUG HSG 2POS 3.68MM	P6	1	0003062023	Molex	
DC/DC power supply	DC DC CONVERTER +/-5V 10W	PS1	1	PDQE10-Q24-D5-D	CUI Inc.	
Res	RES 100 OHM 5% 3W AXIAL	R1	1	PNP300JR-73-100R	YAGEO	100
Res	RES 10K OHM 1% 1/4W AXIAL	R2, R4, R5, R7, R8, R9	6	MFR-25FRF52-10K	YAGEO	10k, 3k
Res	RES 1M OHM 1% 1/4W AXIAL	R3, R6	2	RNV14FAL1M00	Stackpole Electronics Inc	200k
Digi pot	IC DGTL POT 10KOHM 257TAP 8DIP	U1	1	MCP4151	Microchip Technology	

