

Bill of Materials

Bill of Materials for Project [NEMA17\_controller.PrjPcb] (No PCB Document Selected)

Source Data From:	NEMA17_controller.PrjPcb
Project:	NEMA17_controller.PrjPcb
Variant:	None

Creation Date:	2023-05-05	22:11
Print Date:	05-May-23	10:12:09 PM
Production Quantity:	1	
Currency	USD	

Footprint	Comment	LibRef	Designator	Description	Quantity	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Order Qty 1	Supplier Subtotal 1	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1
SOD-123	BZT52C13-TP	BZT52C13-TP	DZ2	Zener Diode 13 V 200 mW ±6% Surface Mount SOD-123	1	Digi-Key	BZT52C13-TPMSCT-ND						
SOD-123	BZT52C6V2-TP	BZT52C6V2-TP	DZ1	Zener Diode 6.2 V 200 mW ±6% Surface Mount SOD-123	1	Digi-Key	BZT52C13-TPMSCT-ND						
SW4_PTS815 SJM 250 SMTR LFS_CNK	PTS815 SJM 250 SMTR LFS	PTS815 SJM 250 SMTR LFS	SW1	TACT 4.2 X 3.2, 2.5 MM H, 180GF,	1	Digi-Key	CKN12215-1-ND						
A4899	Stepper Driver	A4988	U3	Stepper Driver PCB	1	Digi-Key							
AS5600L-ASOM_AMS	AS5600-ASOM	AS5600-ASOM	U1	SENSOR ANGLE 360DEG SMD	1								
RESISTOR-1206	SMT resistor	Resistor1206-10mR	R21	Resistor1206-10mR	1	Digi-Key	CSR1206FT10LOCT-ND						
Resistor-0603	SMT resistor	Resistor0603-10k	R3, R6, R11, R15, R17, R18	Resistor0603-10k	6	Digi-Key	311-10.0KHRTR-ND						
Resistor-0603	SMT resistor	Resistor0603-4.7k	R19, R20	Resistor0603-4.7k	2	Digi-Key	311-4.70KHRTR-ND						
Resistor-0603	SMT resistor	Resistor0603-1k	R4, R5, R14, R16	Resistor0603-1k	4	Digi-Key	RMCF0603FT1K00TR-ND						
Resistor-0603	SMT resistor	Resistor0603-0.0	R1, R2, R8, R9, R10, R12, R13	Resistor0603-0.0	7	Digi-Key	RMCF0603ZT0R00TR-ND						
SOT-23-3	SSM3J332R	SSM3J332R	Q1, Q2, Q3	P-Channel 30 V 6A (Ta) 1W (Ta) Surface Mount SOT-23F	3	Digi-Key	SSM3J332RLFCT-ND						
LED-0603-2PIN	B1911USD-20D000114U1930	B1911USD-20D000114U1930	LED1, LED2, LED3, LED4	LED RED CLEAR 1608 SMD	4	Digi-Key	3147-B1911USD-20D000114U1930CT-ND						
SOT-223-3/TO-261-3S	NCV1117ST33T3G	NCV1117ST33T3G	U4	IC REG LINEAR 3.3V 1A SOT223	1	Digi-Key	NCV1117ST33T3GOSCT-ND						
SOT-23-8	INA219AIDCNR	INA219	U5	IC CURRENT MONITOR 1% SOT23-8	1	Digi-Key	296-23770-1-ND						
SOD-123F	SMD110PL-TP	SMD110PL-TP	D1	DIODE SCHOTTKY 100V 1A SOD123FL	1	Digi-Key	SMD110PL-TPMSTR-ND						
CAPACITOR-0805	Capacitor-0805-10uF-35V-X5R	Capacitor-0805-10uF-35V-X5R	C2, C3, C4, C5, C6	Capacitor-0805-10uF-35V-X5R	5	Digi-Key	490-10515-1-ND						
CAPACITOR-0603	Capacitor-0603-1uF-25V-X5R	Capacitor-0603-1uF-25V-X5R	C1, C7, C10, C12	Capacitor-0603-1uF-25V-X5R	4	Digi-Key	1276-1859-2-ND						
CAPACITOR-Aluminium-5x11mm-2mmPitch	CAP ALUM 100UF 20% 25V RADIAL	Capacitor-100uF-25V	C8, C9	CAP ALUM 100UF 20% 25V RADIAL	2	Digi-Key	399-6102-ND						
ESP32-C3-MINI-1_EXP	ESP32-C3-MINI-1-H4	ESP32-C3-MINI-1-N4	U2	Bluetooth, WiFi 802.11b/g/n, Bluetooth v5.0 Transceiver Module 2.412GHz ~ 2.484GHz PCB Trace Surface Mount	1								
HDR1X4-W, HDR1X4	4pos-TH-2.54mm, UART, USB	4pos-TH-2.54mm	P1, P2, P3	4pos TH 2.54mm Header	3	Digi-Key	N/A						
Weco 2	2pos-TH-5.0mm	2pos-TH-5.0mm	P4	2pos-TH-5.0mm Screw Terminal	1	Digi-Key	N/A277-1667-ND						
HDR1X2	2pos-TH-2.54mm	2pos-TH-2.54mm	P5	2pos TH 2.54mm Header	1	Digi-Key	N/A						
Approved	Notes				52					\$ -			

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