Part Type	Vendor	Quantity	Part Number	Manufacturer Part Number	Description	Customer Reference	Unit Price	Extended Price USD	Material	Finish	Color	Link
PCB	Digikey	10	ZXMN3F30FHCT-ND	ZXMN3F30FHTA	MOSFET N-CH 30V 3.8A SOT23-3	Q1, Q2, Q3, Q4	$0.47	$4.70	N/A	N/A	N/A	N/A
PCB	Digikey	10	1516-QBLP679-RGBCWCT-ND	QBLP679-RGBCW	LED RGBW DIFFUSED 8PLCC SMD	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	$0.49	$4.93	N/A	N/A	N/A	N/A
PCB	Digikey	10	A130138CT-ND	CRGCQ0805J4K7	RES 4.7K OHM 5% 1/8W 0805	R1, R2, R3, R4	$0.04	$0.38	N/A	N/A	N/A	N/A
PCB	Digikey	10	A130132CT-ND	CRGCQ0805J470R	RES 470 OHM 5% 1/8W 0805	R5, R6, R7, R8	$0.03	$0.32	N/A	N/A	N/A	N/A
PCB	Digikey	1	SAM10529-ND	HTST-110-01-L-DV	CONN HEADER SMD 20POS 2.54MM	J1	$4.37	$4.37	N/A	N/A	N/A	N/A
PCB	Digikey	1	WM20166CT-ND	0436500621	CONN HEADER SMD 6POS 3MM	J5	$3.33	$3.33	N/A	N/A	N/A	N/A
PCB	Digikey	1	2725-K7805-2000R3-ND	K7805-2000R3	DC DC CONVERTER 5V 10W	U4	$7.11	$7.11	N/A	N/A	N/A	N/A
PCB	Digikey	1	BA033CC0FP-E2CT-ND	BA033CC0FP-E2	IC REG LINEAR 3.3V 1A TO252-3	U5	$1.41	$1.41	N/A	N/A	N/A	N/A
PCB	Digikey	6	SSW-108-01-T-S-LL-ND	SSW-108-01-T-S-LL	CONN RCPT 8POS 0.1 TIN PCB	U1, U2, U3	$1.47	$8.82	N/A	N/A	N/A	N/A
PCB	Digikey	3	WM1919-ND	0436500415	CONN HEADER VERT 4POS 3MM	J2, J3, J4	$1.28	$3.84	N/A	N/A	N/A	N/A
PCB	Digikey	3	WM2648-ND	0430450213	CONN HEADER VERT 2POS	J6, J7, J8	$1.21	$3.63	N/A	N/A	N/A	N/A
PCB	Digikey	3	ZXMN3F30FHCT-ND	ZXMN3F30FHTA	MOSFET N-CH 30V 3.8A SOT23-3	Q1, Q2, Q3	$0.47	$1.41	N/A	N/A	N/A	N/A
PCB	Digikey	10	A130138CT-ND	CRGCQ0805J4K7	RES 4.7K OHM 5% 1/8W 0805	R1, R3, R5, R7, R8	$0.04	$0.38	N/A	N/A	N/A	N/A
PCB	Digikey	10	A130132CT-ND	CRGCQ0805J470R	RES 470 OHM 5% 1/8W 0805	R2, R4, R6	$0.03	$0.32	N/A	N/A	N/A	N/A
PCB	Digikey	10	RMCF0805ZT0R00CT-ND	RMCF0805ZT0R00	RES 0 OHM JUMPER 1/8W 0805	R9, R10, R11	$0.02	$0.18	N/A	N/A	N/A	N/A
PCB	Digikey	10	1276-1244-1-ND	CL21A475KAQNNNE	CAP CER 4.7UF 25V X5R 0805	C1, C2, C3, C5, C7	$0.07	$0.73	N/A	N/A	N/A	N/A
PCB	Digikey	10	1276-1066-1-ND	CL21B105KAFNNNE	CAP CER 1UF 25V X7R 0805	C4, C6	$0.07	$0.65	N/A	N/A	N/A	N/A
PCB	Digikey	10	160-1423-1-ND	LTST-C171GKT	LED GREEN CLEAR CHIP SMD	D1, D2, D3, D4, D5	$0.14	$1.41	N/A	N/A	N/A	N/A
PCB	Digikey	10	A130135CT-ND	CRGCQ0805J1K5	RES 1.5K OHM 5% 1/8W 0805	R1, R2, R3, R4, R5	$0.04	$0.38	N/A	N/A	N/A	N/A
PCB	Digikey	10	13-RC0805FR-13220RLCT-ND	RC0805FR-13220RL	RES 220 OHM 1% 1/8W 0805	R10, R12, R16, R17, R21	$0.03	$0.25	N/A	N/A	N/A	N/A
PCB	Digikey	10	A130138CT-ND	CRGCQ0805J4K7	RES 4.7K OHM 5% 1/8W 0805	R6, R7, R8, R9, R13, R14, R15, R18, R19, R22	$0.04	$0.38	N/A	N/A	N/A	N/A
PCB	Digikey	10	RMCF0805ZT0R00CT-ND	RMCF0805ZT0R00	RES 0 OHM JUMPER 1/8W 0805	C5, C6	$0.02	$0.18	N/A	N/A	N/A	N/A
PCB	Digikey	10	1276-1066-1-ND	CL21B105KAFNNNE	CAP CER 1UF 25V X7R 0805	C1, C3, C8, C10	$0.07	$0.65	N/A	N/A	N/A	N/A
PCB	Digikey	10	1276-1244-1-ND	CL21A475KAQNNNE	CAP CER 4.7UF 25V X5R 0805	C7, C9, C11	$0.07	$0.73	N/A	N/A	N/A	N/A
PCB	Digikey	10	1276-1096-1-ND	CL21A106KOQNNNE	CAP CER 10UF 16V X5R 0805	C2, C4	$0.07	$0.74	N/A	N/A	N/A	N/A
PCB	Digikey	10	160-1423-1-ND	LTST-C171GKT	LED GREEN CLEAR CHIP SMD	D1, D2, D3, D4	$0.14	$1.41	N/A	N/A	N/A	N/A
PCB	Digikey	1	1738-1041-ND	DFR0299	DFPLAYER - A MINI MP3 PLAYER	U1	$5.90	$5.90	N/A	N/A	N/A	N/A
PCB	Digikey	1	PAM8406DRDICT-ND	PAM8406DR	IC AMP D/AB STEREO 5W 16SOP	U2	$0.85	$0.85	N/A	N/A	N/A	N/A
PCB	Digikey	1	WM1793-ND	0430451012	CONN HEADER VERT 10POS 3MM	J13	$2.60	$2.60	N/A	N/A	N/A	N/A
PCB	Digikey	1	2725-K7805-2000R3-ND	K7805-2000R3	DC DC CONVERTER 5V 10W	U3	$7.11	$7.11	N/A	N/A	N/A	N/A
PCB	Digikey	1	BA033CC0FP-E2CT-ND	BA033CC0FP-E2	IC REG LINEAR 3.3V 1A TO252-3	U4	$1.41	$1.41	N/A	N/A	N/A	N/A
PCB	Digikey	1	2057-PH1-12-UA-ND	PH1-12-UA	CONN HEADER VERT 12POS 2.54MM	J12	$0.20	$0.20	N/A	N/A	N/A	N/A
PCB	Digikey	2	SAA8996-ND	TSW-104-07-F-D	CONN HEADER VERT 8POS 2.54MM	J5, J7	$0.97	$1.94	N/A	N/A	N/A	N/A
PCB	Digikey	3	732-5315-ND	61300211121	CONN HEADER VERT 2POS 2.54MM	J1, J2, J9	$0.13	$0.39	N/A	N/A	N/A	N/A
PCB	Digikey	1	SAM10529-ND	HTST-110-01-L-DV	CONN HEADER SMD 20POS 2.54MM	J6	$4.37	$4.37	N/A	N/A	N/A	N/A
PCB	Digikey	2	1034-ZXMN3F31DN8CT-ND	ZXMN3F31DN8TA	MOSFET 2N-CH 30V 5.7A 8SOIC	Q1, Q2	$0.87	$1.74	N/A	N/A	N/A	N/A
PCB	Digikey	1	1050-1018-ND	A000067	ARDUINO MEGA2560 ATMEGA2560	A1	$48.40	$48.40	N/A	N/A	N/A	N/A
PCB	Digikey	1	2553-2044-2X18G00SA-ND	2044-2X18G00SA	PCB SOCKET, DOUBLE ROW, 36 PIN,	A1	$1.00	$1.00	N/A	N/A	N/A	N/A
PCB	Digikey	10	SSW-108-01-T-S-LL-ND	SSW-108-01-T-S-LL	CONN RCPT 8POS 0.1 TIN PCB	A1, U2	$1.28	$12.82	N/A	N/A	N/A	N/A
PCB	Digikey	1	CT-9EW103-ND	CT-9EW103	TRIMMER 10K OHM 0.5W PC PIN TOP	R20	$2.07	$2.07	N/A	N/A	N/A	N/A
Machine Part	Alibaba	5	N/A	N/A	Iris_leaf	N/A	$14.00	$70.00	Aluminum 6061	Type 2 Annodize	Black	N/A
Machine Part	Alibaba	1	N/A	N/A	Iris_base	N/A	$36.50	$36.50	Aluminum 6061	Type 2 Annodize	Black	N/A
Machine Part	Alibaba	1	N/A	N/A	Spur_gear	N/A	$46.50	$46.50	Aluminum 6061	Type 2 Annodize	Black	N/A
Machine Part	Alibaba	1	N/A	N/A	Lock_cover	N/A	$21.50	$21.50	Aluminum 6061	Type 2 Annodize	Red	N/A
Machine Part	Alibaba	1	N/A	N/A	Lock_cover	N/A	$21.50	$21.50	Aluminum 6061	Type 2 Annodize	Blue	N/A
Machine Part	Alibaba	1	N/A	N/A	Lock_cover	N/A	$21.50	$21.50	Aluminum 6061	Type 2 Annodize	Green	N/A
Machine Part	Alibaba	1	N/A	N/A	Lock_cover	N/A	$21.50	$21.50	Aluminum 6061	Type 2 Annodize	Yellow	N/A
Machine Part	Alibaba	1	N/A	N/A	Back_plate	N/A	$24.00	$24.00	Aluminum 6061	Type 2 Annodize	Black	N/A
Machine Part	Alibaba	1	N/A	N/A	Bottom_plate	N/A	$23.00	$23.00	Aluminum 6061	Type 2 Annodize	Black	N/A
Machine Part	Alibaba	1	N/A	N/A	Front_plate	N/A	$33.00	$33.00	Aluminum 6061	Type 2 Annodize	Black	N/A
Machine Part	Alibaba	1	N/A	N/A	Lid_plate	N/A	$100.00	$100.00	Aluminum 6061	Type 2 Annodize	Black	N/A
Machine Part	Alibaba	2	N/A	N/A	Side_plate	N/A	$25.00	$50.00	Aluminum 6061	Type 2 Annodize	Black	N/A
3D Printed	JLCPCB	6	N/A	N/A	Lock Housing - Bar	N/A	$1.00	$6.00	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	2	N/A	N/A	Key 1 Static	N/A	$1.00	$2.00	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	2	N/A	N/A	Key 2 Static	N/A	$1.00	$2.00	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	2	N/A	N/A	Key 3 Static	N/A	$1.00	$2.00	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	2	N/A	N/A	Key 4 Static	N/A	$1.00	$2.00	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	5	N/A	N/A	Lock Housing - Tumbler 0	N/A	$1.00	$5.00	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	6	N/A	N/A	Lock Housing	N/A	$6.21	$37.27	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Ring Coupler	N/A	$1.64	$1.64	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Iris Stepper Block	N/A	$3.94	$3.94	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Center Block	N/A	$17.05	$17.05	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Ring Mount	N/A	$2.95	$2.95	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	3	N/A	N/A	Bearing Clamp	N/A	$1.90	$5.71	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	2	N/A	N/A	Upper Z Lim Bracket	N/A	$1.00	$2.00	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	7	N/A	N/A	Iris Linkage	N/A	$1.00	$7.00	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Battery Cover	N/A	$2.01	$2.01	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Z Shaft Bottom Bracket	N/A	$1.35	$1.35	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Lower Z Lim Bracket	N/A	$2.25	$2.25	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Z Stepper Block	N/A	$5.71	$5.71	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Shaft Mounting Block	N/A	$5.08	$5.08	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Z Carriage	N/A	$10.76	$10.76	Black Resin	Sanding	Matte Black	N/A
3D Printed	JLCPCB	1	N/A	N/A	Diffuser Mount	N/A	$1.00	$1.00	Black Resin	Sanding	Matte Black	N/A
Laser Cut	SendcutSend	1	N/A	N/A	Lid_Upper_Plate	N/A	$52.48	$52.48	5052 Aluminum (0.125")	Black	Annodize Type 2	N/A
Laser Cut	SendcutSend	1	N/A	N/A	Diffuser	N/A	$3.20	$3.20	Acrylic-White (0.118")	Clear	None	N/A
Laser Cut	SendcutSend	1	N/A	N/A	Upper Cosmetic Ring	N/A	$7.02	$7.02	5052 Aluminum (0.125")	White	Gloss White Powder Coat	N/A
Misc	Amazon	1	N/A	N/A	Black Velvet Felt	N/A	$12.99	$12.99	N/A	N/A	N/A	https://www.amazon.com/dp/B08TMTM1ZT?psc=1&ref=ppx_yo2ov_dt_b_product_details
PCB	Amazon	1	N/A	N/A	TMC2209 Stepper Driver 5PCS	N/A	$29.99	$29.99	N/A	N/A	N/A	https://www.amazon.com/dp/B072Q3C1XW?psc=1&ref=ppx_yo2ov_dt_b_product_details
Electronics	Amazon	1	N/A	N/A	JJHXSM Magnetic Loudspeaker 4PCS	N/A	$8.99	$8.99	N/A	N/A	N/A	https://www.amazon.com/dp/B09HGTKXC4?psc=1&ref=ppx_yo2ov_dt_b_product_details
Misc	Amazon	5	N/A	N/A	WEICHUAN Metal Antique Bronze Keychain	N/A	$5.99	$29.95	N/A	N/A	N/A	https://www.amazon.com/gp/product/B01N3VRYV7/ref=ppx_yo_dt_b_asin_title_o03_s00?ie=UTF8&psc=1
Electronics	Amazon	1	N/A	N/A	STEPERONLINE Short Body Nema 17 Bipolar Stepper Motor 1A 22.6 oz.in/16Ncm DIY CNC Extruder	N/A	$11.99	$11.99	N/A	N/A	N/A	https://www.amazon.com/gp/product/B00PNEQ79Q/ref=ppx_yo_dt_b_asin_title_o03_s00?ie=UTF8&psc=1
Electronics	Amazon	1	N/A	N/A	[3pcs of Pack] Nema17 Stepper Motor, 2Phase 4 Lead 42-34 Stepping Motor with 1m Cable 42BYGH 34MM 1.5A (17HS4401S) for CR-10, Ender 3, Anet A8, Anycubic Mega Series 3D Printers and CNC Extruder	N/A	$29.99	$29.99	N/A	N/A	N/A	https://www.amazon.com/gp/product/B09JFGSS8H/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1
Misc	Amazon	1	N/A	N/A	ZIRO Silk PLA Filament 1.75mm,3D Printer Filament PLA Silky Series 1.75mm 1KG(2.2lbs),Bronze	N/A	$21.99	$21.99	N/A	N/A	N/A	https://www.amazon.com/dp/B08BG4VHF4?ref=ppx_yo2ov_dt_b_product_details&th=1
Structure	McMaster Carr	1	N/A	N/A	Unthreaded Bumper 10PCS	N/A	$7.42	$7.42	N/A	N/A	N/A	https://www.mcmaster.com/catalog/9540K913
Structure	McMaster Carr	2	N/A	N/A	Metal Gear - 20 Degree Pressure Angle	N/A	$15.52	$31.04	N/A	N/A	N/A	https://www.mcmaster.com/2664N353/
Structure	McMaster Carr	1	N/A	N/A	18-8 Stainless Steel Flanged Button Head Screw M3 x 0.5 mm Thread Size, 6 mm Long	N/A	$5.04	$5.04	N/A	N/A	N/A	https://www.mcmaster.com/97654A674/
Electronics	Digikey	1	N/A	N/A	AC/DC WALL MOUNT ADAPTER 9V 18W	N/A	$13.66	$13.66	N/A	N/A	N/A	https://www.digikey.com/en/products/detail/xp-power/VEL18US090-US-JA/5864666
Electronics	Digikey	1	N/A	N/A	CONN JACK PNL MNT 5.5X2.1MM ISO	N/A	$4.92	$4.92	N/A	N/A	N/A	https://www.digikey.com/en/products/detail/tensility-international-corp/54-00151/9829987
Electronics	Digikey	4	N/A	N/A	PNL MNT W/ WIRE 56BNM 25MCD GRN	N/A	$3.03	$12.12	N/A	N/A	N/A	https://www.digikey.com/en/products/detail/bivar-inc/MPB5GD/3488863
Electronics	Digikey	1	N/A	N/A	SWITCH PUSHBUTTON SPST-NO 2A 48V	N/A	$6.37	$6.37	N/A	N/A	N/A	https://www.digikey.com/en/products/detail/e-switch/PV2F240NN/4028687?s=N4IgTCBcDaIKIHECsBOAzEgtAOQCIgF0BRIA
Electronics	Digikey	2	N/A	N/A	SWITCH ROCKER SPDT ON-ON W/PRINT	N/A	$2.12	$4.24	N/A	N/A	N/A	https://www.digikey.com/en/products/detail/switch-components/RE1-1D-DC-2-B-4/11492757
Electronics	Digikey	1	N/A	N/A	IDC CABLE - MKC20A/MC20G/MKC20A	N/A	$5.19	$5.19	N/A	N/A	N/A	https://www.digikey.com/en/products/detail/3m/M3CCA-2006J/230139
Structure	Gobilda	20	N/A	N/A	2101 Series Stainless Steel D-Shaft (6mm Diameter, 80mm Length)	N/A	$2.29	$45.80	N/A	N/A	N/A	https://www.gobilda.com/2101-series-stainless-steel-d-shaft-6mm-diameter-80mm-length/
Electronics	Amazon	1	N/A	N/A	LP 9V Rechargeable Battery Charger Pack, 4 Pack 600mah 9 Volt Batteries	N/A	$27.98	$27.98	N/A	N/A	N/A	https://www.amazon.com/gp/product/B07RT332DY/ref=ppx_yo_dt_b_asin_title_o06_s00?ie=UTF8&th=1
Structure	Amazon	1	N/A	N/A	RuiLing 4pcs 9V Battery Holder Box with 2X Lead Wire Spring Clip DIY Plastic Cell Batteries Container	N/A	$8.99	$8.99	N/A	N/A	N/A	https://www.amazon.com/gp/product/B07Q1N2MHT/ref=ppx_yo_dt_b_asin_title_o05_s00?ie=UTF8&psc=1
Electronics	Amazon	1	N/A	N/A	BUYGOO 6Pcs V-156-1C25 Micro Limit Switch with Hinge Roller Momentary SPDT Snap Action for Arduino CYT1046	N/A	$7.79	$7.79	N/A	N/A	N/A	https://www.amazon.com/gp/product/B07D9C2B6J/ref=ppx_yo_dt_b_asin_title_o08_s00?ie=UTF8&psc=1
Electronics	Amazon	1	N/A	N/A	JANDECCN 20Pcs Limit Switch AC 5A 125 250V SPDT 1NO 1NC Short Straight Hinge Lever Arm Micro Switch KW12 (Type B)	N/A	$9.99	$9.99	N/A	N/A	N/A	https://www.amazon.com/gp/product/B07X142VGC/ref=ppx_yo_dt_b_asin_image_o09_s00?ie=UTF8&psc=1