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Item	Place	Description	Qty.	LCSC Part Number	Manufacture Part Number	Manufacturer	Package	Product link	Mouser #	Mfr. #	Manufacturer
1	PCB	Carbon Film Resistor - Through hole 10 Kohm 5% 1/4W	2	C433778	RD 1/4W 10K 1 T/B A1	TyoHM	Axial,2.4x6.5mm	ksc.com/product-detail/Carbon-Film-Resistors_TyoHM-RD-1-4W-10K-1-T-B-A1_C433778.html	603-CFR25JIT-52-10K	CFR25JIT-52-10K	Yageo
2	PCB	Carbon Film Resistor - Through Hole 150 Ohm 5% 1/4W	1	C70814	CFROW4I0151A50	UNI-ROYAL(Uniroyal Elec)	Axial	ksc.com/product-detail/Carbon-Film-Resistors_UNI-ROYAL-Uniroyal-Elec-CFROW4I0151A50_C70814.html	603-CFR-25JR-52150R	CFR-25JR-52-150R	Yageo
3	PCB	Carbon Film Resistor - Through Hole 5 Ohm 5% 1/4W	1	C120000	CF1/4W-5.1Oh5% TS2	CCO(Chian Chia Elec)	Axial	ksc.com/product-detail/Carbon-Film-Resistors_CCO-Chian-Chia-Elec-CF1-4W-5-1Oh-5-TS2_C120000.html	603-CFR-25JT-52-SR	CFR-25JT-52-SR	Yageo
4	PCB	LDO Voltage Regulators 3.3V 1.0A Positive, LD1117A, TO-220	1	C75485	LD1117AL-33-TA3-A-T	UTC(Unisonic Tech)	TO-220(TO-220-3)	ksc.com/product-detail/Dropout-Regulators_LDO_UTC-Unisonic-Tech-LD1117AL-33-TA3-A-T_C75485.html	511-LD1117AV33	LD1117AV33	STMicroelectronics
5	PCB	DC Power Connectors PCB, 5.5 x 2.1MM	1	C194407	DC-47D-2-1GP	GANGYUAN	Through Hole	ksc.com/product-detail/AC-DC-Power-Plug-Receptacles_GANGYUAN-DC-47D-2-1GP_C194407.html	163-179PH-EX	163-179PH-EX	Kobicon
6	PCB	MOSFET IRLZ44NPBF, TO-220	1	C38774	IRLZ44NPBF	Infineon Technologies	TO-220(TO-220-3)	ksc.com/product-detail/MOSFET_Infincon-Technologies-IRLZ44NPBF_C38774.html	942-IRLZ44NPBF	IRLZ44NPBF	Infineon
7	PCB	Aluminum Electrolytic Capacitors - Radial, 10uF 25V, 4x7 20% 1.5L5	1	C43351	10uF 25V 4*7	CX(Dongguan Chengxing Elec)	Radial,4x7mm	ksc.com/product-detail/Aluminum-Electrolytic-Capacitors-Leaded_CX-Dongguan-Chengxing-Elec-10uF-25V-4-7_C43351.html	647-USR1E100MDD1TP	USR1E100MDD1TP	Nichicon
8	PCB	Aluminum Electrolytic Capacitors - Radial, 100uF 25V, 5x11 20% 2L5	2	C47873	100uF 25V 5*11	CX(Dongguan Chengxing Elec)	Radial,5x11mm	ksc.com/product-detail/Aluminum-Electrolytic-Capacitors-Leaded_CX-Dongguan-Chengxing-Elec-100uF-25V-5-11_C47873.html	647-UVK1E101MDD	UVK1E101MDD	Nichicon
9	PCB	Through Hole Photo Interrupter	1	C390039	DY-ITR8402	TONYU	Through Hole	ksc.com/product-detail/Photo-Interrupter_TONYU-DY-ITR8402_C390039.html	859-LTH-301-05	LTH-301-05	Line-On
10	PCB	Tactile Switches, Side operation, Round Button, Through Hole, 7.5x6x6.8mm	4	C136733	K2-1102AQ-Q4CW-01	Korean Hroparts Elec	Through Hole,7.5x6x6.8mm	ksc.com/product-detail/Tactile-Switches_Korean-Hroparts-Elec-K2-1102AQ-Q4CW-01_C136733.html	611-PT5645VH832	PT5645VH832LFS	C&K Switches
11	PCB	Female Header, 8 Pins x 1 Row, Straight, P=2.54mm	2	C225505	A2541HWV-8P	CJT(Changjiang Connectors)	P=2.54mm	ksc.com/product-detail/Pin-Header-Female-Header_CJT-Changjiang-Connectors-A2541HWV-8P_C225505.html	992-8FX1L-254MM	8fx1L-254mm	Gravitech
12	PCB	Female Header, 12 Pins x 1 Row, Straight, P=2.54mm	2	C225509	A2541HWV-12P	CJT(Changjiang Connectors)	P=2.54mm	ksc.com/product-detail/Pin-Header-Female-Header_CJT-Changjiang-Connectors-A2541HWV-12P_C225509.html	437-3108711201640101	310-87-112-01-640101	Preci-dip
13	PCB	Male Header, 4 Pins x 1 Row, Straight, P=2.54 mm	1	C390680	210-91-04GB01	PINREX	Through Hole	ksc.com/product-detail/Pin-Header-Female-Header_PINREX-210-91-04GB01_C390680.html	523-G800W304018EU	G800W304018EU	Amphenol
14	PCB	Male Header, 2 Pins x 1 Row, Straight, P=2.54 mm	4	C390678	210-91-02GB01	PINREX	Through Hole	ksc.com/product-detail/Pin-Header-Female-Header_PINREX-210-91-02GB01_C390678.html	649-10129378-902001BLF	10129378-902001BLF	FCI / Amphenol
15	PCB	Jumper, 2 Pins x 1 Row, Straight, P=2.54 mm	1	C5305	C5305	BOOMELE(Boom Precision Elec)	SIP-2	ksc.com/product-detail/Shunts-Jumpers_BOOMELE-Boom-Precision-Elec-C5305_C5305.html	855-M7582-05	M7582-05	Harwin
16	Stepper motor	Crimping terminal 22-26 RoHS	4	C339354	A2541-TB	CJT(Changjiang Connectors)	-	ksc.com/product-detail/Terminals_CJT-Changjiang-Connectors-A2541-TB_C339354.html	571-1-2321921-1	1-2321921-1	TE Connectivity
17	Stepper motor	Connector Housing, 4 Pins x 1 Row, Straight, P=2.54 mm	1	C339332	A2541H-4P	CJT(Changjiang Connectors)	-	ksc.com/product-detail/Rectangular-Connectors-Housings_CJT-Changjiang-Connectors-A2541H-4P_C339332.html	855-M20-1060400	M20-1060400	Harwin
18	Micro SD module	Male Header, 6 Pins x 1 Row, Straight, P=2.54 mm	1	C37208	C37208	BOOMELE(Boom Precision Elec)	2.54mm 1x6	ksc.com/product-detail/Pin-Header-Female-Header_BOOMELE-Boom-Precision-Elec-C37208_C37208.html	571-826926-6	826926-6	TE Connectivity