BOM Name Date Last update by user Created by user Revision Bluetooth AC Switch 20 Nov 2018; 19:06:24 GMT hallmac@oregonstate.edu bruslinj@oregonstate.edu Latest

* = Available now

Part Number	Quantity	Cost	Supplier Part Number	Manufacturer	Supplier	Lead time
Vogek 3.1A 2-Pack Dual Port USB Wall Charger	1	8.99	N/A	Vogek	Amazon	N/A
ORWH-SH-105D1F,000	3	1.35	PB2032-ND	TE Connectivity Potter & Brumfield Relays	Digikey	4 Weeks
739W-X2/32-A	3	1.26	Q1211-ND	Qualtek	Digikey	23 Weeks
ACS71020KMABTR-030B3-I2C	1	5.26	620-1996-1-ND	Allegro MicroSystems, LLC	Digikey	10 Weeks
MAX40200AUK+T	2	0.65	MAX40200AUK+TCT-ND	Maxim Integrated	Digikey	6 Weeks
10103592-0001LF	1	0.78	609-4048-1-ND	Amphenol ICC (FCI)	Digikey	12 Weeks
RC0201FR-071ML	4	0.1	311-1MMCT-ND	Yageo	Digikey	17 Weeks
FSM4JRT	2	0.17	450-2038-1-ND	TE Connectivity ALCOSWITCH Switches	Digikey	9 Weeks
MBT2222ADW1T1G	3	0.24	MBT2222ADW1T1GOSCT-ND	ON Semiconductor	Digikey	40 Weeks
1N4148W-7-F	3	0.18	1N4148W-FDICT-ND	Diodes Incorporated	Digikey	32 Weeks
W57-XB1A7A10-5	1	3.02	PB1068-ND	TE Connectivity Potter & Brumfield Relays	Digikey	16 Weeks
ACS722LLCTR-10AB-T	2	5.54	620-1635-1-ND	Allegro MicroSystems, LLC	Digikey	Not Available
ESP32-WROOM-32	1	6.8	1904-1010-1-ND	Espressif Systems	Digikey	4 Weeks
LM1117MPX-3.3/NOPB	1	1.14	LM1117MPX-3.3/NOPBCT-ND	Texas Instruments	Digikey	8 Weeks
CP2102-GMR	1	3.17	336-1160-1-ND	Silicon Labs	Digikey	Not Available

Description	Common and Name	Down Chata	Compliantink	Total Cost	Datashast		Cward Tatal	
Description	Component Name	Part State	Supplier Link	Total Cost	Datasheet	N/A	Grand Total	E1 27
AC plug for microcontroller RELAY GEN PURPOSE SPDT 10A 5V	K1, K2, K3	In Progress	<u>Amazon</u>	8.99 4.05	Detechest	IN/A		51.37
		In Progress	<u>Digikey</u>		<u>Datasheet</u>			
15A 125VAC NEMA 5-15R CONVENIENC	J4, J5, J6	In Progress	<u>Digikey</u>	3.78	<u>Datasheet</u>			
SINGLE PHASE, ISOLATED, POWER MO	U4	In Progress	<u>Digikey</u>	5.26	<u>Datasheet</u>			
IC DIODE CURRENT SWITCH SOT23-5	D4, D5	In Progress	<u>Digikev</u>	1.3	Datasheet			
CONN RCPT USB2.0 MICRO B SMD R/A	J3	In Progress	Digikey	0.78	<u>Datasheet</u>			
RES SMD 1M OHM 1% 1/20W 0201	R1, R2, R3, R6	In Progress	<u>Digikey</u>	0.4	<u>Datasheet</u>			
SWITCH TACTILE SPST-NO 0.05A 24V	S1, S2	In Progress	<u>Digikey</u>	0.34	<u>Datasheet</u>			
TRANS 2NPN 40V 0.6A SOT363	Q1, Q2, Q3	In Progress	<u>Digikey</u>	0.72	<u>Datasheet</u>			
DIODE GEN PURP 100V 300MA SOD123	D1, D2, D3	In Progress	<u>Digikey</u>	0.54	<u>Datasheet</u>			
CIR BRKR THRM 5A 250VAC	F1	In Progress	<u>Digikey</u>	3.02	<u>Datasheet</u>			
SENSOR CURRENT HALL 10A AC/DC	U2, U3	In Progress	Digikey	11.08	Datasheet			
SMD MODULE, ESP32-D0WDQ6, 32MBIT	M1	In Progress	Digikey	6.8	Datasheet			
IC REG LIN 3.3V 800MA SOT223-4	U1	In Progress	Digikey	1.14	Datasheet			
IC USB-TO-UART BRIDGE 28VQFN	U5	In Progress	Digikey	3.17	Datasheet			
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