

Column10	Column9	Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8
Item	Quantity	Reference	Value	Footprint	Datasheet	Description	Distributor	Part Number	Dist. PN
1	1	D3	LED	LEDs:LED-1206		LED Red SMD 1206	DigiKey	1516-1076-1-ND	
2	1	J1	RJ12	Connect:RJ12_E		RJ-45 Connector	DigiKey	553-2258-ND	
3	2	P1	2	Connect:ANDERSON_POWERPOLE_1X2		25A PCB Mount Bottom Pins Anderson Power Pole	Mouser	879-1377G12-BK	
3	1	P1	1	Connect:ANDERSON_POWERPOLE_1X2		Black Housing Anderson Power Pole	Mouser	879-1327G6-BK	
3	1	P1	1	Connect:ANDERSON_POWERPOLE_1X2		Orange Housing Anderson Power Pole	Mouser	879-1327G17-BK	
3	2	P1	2	Connect:ANDERSON_POWERPOLE_1X2		Red Wing Anderson Power Pole	Mouser	879-1399G9-BK	
4	2	P12, P13	CONN_02X05	Pin_Headers:Pin_Header_Straight_2x05		Conn Header 10pos, KEYED, EJECTOR	DigiKey	MHS105-ND	
5		DROPPED							
6	1	R4	500	Resistors_SMD:R_1206_HandSoldering		RES 510 5% 1/4W SMD 1206	DigiKey	311-510ERCT-ND	
7	2	R10, R12	47K	Resistors_SMD:R_1206_HandSoldering		RES 47K 5% 1/4W SMD 1206	DigiKey	311-47KERCT-ND	
8	1	R13	51	Resistors_SMD:R_1206_HandSoldering		RES 51 5% 1/4W SMD 1206	DigiKey	311-51ERCT-ND	
9	1	R1	30.1K	Resistors_SMD:R_1206_HandSoldering		RES 30.1K 1% 1/4W SMD 1206	DigiKey	311-30.1KFRCT-ND	
10	3	R8, R9, R11	10K	Resistors_SMD:R_1206_HandSoldering		RES 10.0K 1% 1/4W SMD 1206	DigiKey	RMCF1206FT10K0CT-ND	
11	2	R2, R6	1.0K	Resistors_SMD:R_1206_HandSoldering		RES 1.00K 1% 1/4W SMD 1206	DigiKey	RMCF1206FT1K00CT-ND	
12	1	U2	PowerBoost 1000	Socket_Strips:Socket_Strip_Straight_1x08		PowerBoost 1000 Battery Backup	Digikey	1528-1349-ND	
13	1	U4	MAX488	Sockets_DIP:DIP-8_300		MAX488, DIP-8	DigiKey	MAX488CPA+-ND	
14	1	C3	220uF	Capacitors_SMD:c_elec_10x10		CAP Alum 220uF 20% 50V smd	DigiKey	493-2228-1-ND	
15	17	C2, C4, C7, C8, C10-C12, C14-C23	0.1uF	Capacitors_SMD:C_1210_HandSoldering		CAP Ceramic 0.1uF 50V 10% X7R 1210	DigiKey	1276-1810-1-ND	
16	7	C1, C5, C6, C9, C13, C24, C25	10uF	Capacitors_Tantalum_SMD:TantalC_SizeE_EIA-7360_Ha		CAP Tant 10uF 50V 10% 2917	DigiKey	718-1022-1-ND	
17	2	P10, P11	CONN_02X07	Pin_Headers:Pin_Header_Straight_2x07		Conn Header 14pos KEYED EJECTOR	DigiKey	MHS14S-ND	
18	6	P4-P9	1x3	Connectors_Molex:Pin_Header_Keyed_1x03		CONN HEADER 3POS .100 VERT TIN	DigiKey	WM4201-ND	
19	1	P3	Raspberry_Pi+_Conn	Pin_Headers:Pin_Header_Straight_2x20		Conn Header Verticle 40pos 0.1"	DigiKey	732-5310-ND	
20	1	U1	PDQ30-Q24-S5-D	PiMib:pdq30		DC/DC Converter, 5V, 30W	DigiKey	102-3891-ND	
21	1	D1	D	Diodes_SMD:SMB-SMC_Universal_Handsoldering		Diode Gen Purpose, 100V, 5A, SMC	DigiKey	S5BC-FDICT-ND	
22	1	P2	Raspberry_Pi+_Conn	Socket_Strips:Socket_Strip_Straight_2x20		Header, Female 40Pin,	DigiKey	952-2150-ND	
23	1	U7	LT1129CST-3.3	TO_SOT_Packages_SMD:SOT-223		IC Regulator, Linear, 3.3V, 700mA, SOT223-3	DigiKey	LT1129CST-3.3#TRPBFDKR-ND	
24	2	Q2, Q3	DMG2305UX	TO_SOT_Packages_SMD:SOT-23		Mosfet, P-Ch 20V, 4.2A SOT23	DigiKey	DMG2305UX-13DICT-ND	
25	1	U6	PSOC_5LP	PiMib:DIP-52_1_ELL		PSOC 5LP Prototyping Kit	DigiKey	428-3390-ND	
26	2	Q4, Q5	BCV62	TO_SOT_Packages_SMD:SOT-143_Handsoldering		Trans, 2PNP, 30V, 0.1A, SOT143	DigiKey	BCV62BE6327HTSA1CT-ND	
27	2	U3, U5	ADAFRUIT_TXB0104	PiMib:ADAFRUIT_TXB0104		TXB0104 Level Shifter	DigiKey	1528-1033-ND	
28	1	P14	1	Pin_Headers:Pin_Header_Straight_1x04		0.1" Breakaway Header	DigiKey	A26513-40-ND	
29	1	JP1-JP6	1	Pin_Headers:Pin_Header_Straight_1x03		0.1" Breakaway Header	DigiKey	A26513-40-ND	
30	1	NA	LiPO 3.7V 500MAH	Not on PCB		BATTERY LITHIUM 3.7V 500MAH	DigiKey	1528-1841-ND	
		Dropped Components		R5, R7, R14, Q1				Udated Numbers for Rev3	