Qty	Ref	Description	Mfg Part Number	Mouser Part #	Price @1	Price @100	Total @1	Total @100		
2	C13, C14	Multilayer Ceramic Capacitors (MLCC) - SMD/SMT 50volts 11pF C0G 5%	C0603C110J5GACTU	80-C0603C110J5G	0.25	0.16	0.5	0.32		
1	Q2	Crystals 32.768KHz 12.5pF -40C +85C 10ppm	ABS10-32.768KHz-1-T	815-ABS10-32.7K-1-T	1.14	0.7	1.14	0.7		
6	C3,C4,C5,C6,C7,C9	Multilayer Ceramic Capacitors (MLCC) - SMD/SMT 50volts 0.1uF X7R 10%	C0603C104K5RACTU	80-C0603C104K5R	0.1	0.026	0.6	0.156		Price Per @ 1	Price Per @ 100
1	C10	Tantalum Capacitors - Solid SMD 16volts 10uF 10%	B45196H3106K109V17	80-B45196H3106K109	0.41	0.166	0.41	0.166		$137.05	$87.79
2	C11,C12	Multilayer Ceramic Capacitors (MLCC) - SMD/SMT 50volts 18pF C0G 5%	C0603C180J5GACTU	80-C0603C180J5G	0.1	0.012	0.2	0.024		
1	C15	Aluminum Electrolytic Capacitors - Leaded 50volts 1000uF 18x20 20% 7.5LS	URS1H102MHD	647-URS1H102MHD	0.95	0.693	0.95	0.693		
1	C16	Multilayer Ceramic Capacitors (MLCC) - SMD/SMT 10volts 1uF Y5V -20 +80%	C0603C105Z8VACTU	80-C0603C105Z8V	0.1	0.018	0.1	0.018		
1	Q1	Crystals 8.0MHz 18pf 20ppm -20C +70C	ABM3B-8.000MHZ-B2-T	815-ABM3B-8.0-B2-T	1.14	0.76	1.14	0.76		
1	U1	PIC32MX795F12	PIC32MX795F512L-80I/PT	579-PIC32MX795F512	11.76	7.81	11.76	7.81		
18	R1 - R11,R16,R17,R31,R32,R51,R53, R54	Thick Film Resistors - SMD 4.7K OHM 5%	CR0603-JW-472ELF	652-CR0603-JW-472ELF	0.06	0.02	1.08	0.36		
17	R50,R12 - R15,R18 - R28,R30	Thick Film Resistors - SMD 330 OHM 1/10WATT 5%	CR0603-JW-331GLF	652-CR0603-JW-331GLF	0.06	0.02	1.02	0.34		
12	R29,R34 - R44	Thick Film Resistors - SMD 33 OHM 1/10WATT 5%	CR0603-JW-330GLF	652-CR0603-JW-330GLF	0.06	0.02	0.72	0.24		
12	OK1 - OK10,OK15,OK16	Triac & SCR Output Optocouplers SO-6 NON-ZERO TRIAC	MOC3023SM	512-MOC3023SM	0.56	0.43	6.72	5.16		
12	T1 - T10,T15,T16	Triacs Sen Triac 1A 600V 3 3 3 5 mA SOT223	L0103MTRP	576-L0103MTRP	0.37	0.319	4.44	3.828		
1	USB	USB Connectors MINI B RECEPT RA SMT W/O POST	UX60A-MB-5ST	798-UX60A-MB-5ST	1.26	0.735	1.26	0.735		
1	SD CARD SOCKET	Memory Card Connectors Push-Push Card Connectors SD	SCDA7A0101	688-SCDA7A0101	1.21	0.98	1.21	0.98		
1	U3	DC/DC Converters CONV DC/DC 1A 7-42VIN 3.3VOUT	R-78C3.3-1.0	919-R-78C3.3-1.0	10.7	6.9	10.7	6.9		
1	B2	Bridge Rectifiers 1.0 Amp 50 Volt	DF005S-E3/77	625-DF005S-E3/77	0.45	0.32	0.45	0.32		
1	J2	DC Barrel Jack Adapter - Breadboard Compatible (Sparkfun)		Purchased from Sparkfun	0.95	0.76	0.95	0.76		
1	U$1	WiFi / 802.11 Modules WiFi Transceiver w/uFL connector	MRF24WB0MB/RM	579-MRF24WB0MBRM	29.38	20.16	29.38	20.16		
1	LED2	Standard LED - SMD LED RED USS TYP	LNJ214R82RA	667-LNJ214R82RA	0.48	0.264	0.48	0.264		
1	LED1	Standard LED - SMD White Clear Non-Diff	VLMW11R2S2-5K8L-08	78-VLMW11R2S2	0.72	0.58	0.72	0.58		
1	LED3	Standard LED - SMD LED AMBR BI-BRT USS	LNJ426W83RA	667-LNJ426W83RA	0.46	0.25	0.46	0.25		
1	USB GREEN	Standard LED - SMD LED PURE GR SS TYP (END OF LIFE)	LNJ308G8TRA	667-LNJ308G8TRA	0.46	0.196	0.46	0.196		
1	PWR BLUE	Standard LED - SMD LED BL HI-BRT ESS	LNJ937W8CRA	667-LNJ937W8CRA	0.48	0.26	0.48	0.26		
1	F1	PTC Resettable Fuses 15V 1206 .500A	1206L050/15YR	576-1206L050/15YR	0.45	0.3	0.45	0.3		
1	Case	4x6 inch XR series Polycase enclosure	XR-46FMBR	Purchased from Polycase	6.62	4.65	6.62	4.65		
1	PCB	5 x 3.98 inch PCB			20.62	6	20.62	6		
2	S1,S2	Tactile switch	B3FS-1010P	653-B3FS-1010P	0.65	0.469	1.3	0.938		
4	JP2,JP3,JP4,JP6	Fixed Terminal Blocks 4 POS LEVER	1790649	651-1790649	3.28	2.74	13.12	10.96		
1	Case Gland	NEMA Gland Kit	CG-15	Purchased from Polycase	2.50	1.66	2.50	1.66		
1	Fuse	125V 1A V/FA NANO2 W/Au CAPS	0449001.MR	576-0449001.MR	0.97	0.88	0.97	0.88		
1	F2	Fuseholders, Clips, & Hardware ACS NANO HLDR	01550900M	576-01550900M	2.00	1.39	2.00	1.39		
1	Wall Adapter	AC-to-AC ADAPTER, 24V @ 1000mA, BLACK, STRAIGHT 2.1mm FEMALE PLUG	ADU240100D5531	Purchased from Jameco	11.95	8.95	11.95	8.95		
1	JP1	Headers & Wire Housings 40 SIL VERTICAL PIN HEADER GOLD HT	M20-9994045	855-M20-9994045	0.19	0.09	0.19	0.09		
							0.00	0.00		
							0.00	0.00		
							0.00	0.00		
							0.00	0.00		