Item	Description	Designator	Manufacturer	Part Number	Component Link	Unit Price	Quantity	Net Price
100 μF/50 V Capacitor	CAP ALUM POLY HYB 100UF 50V SMD	C1	Panasonic	EEH-ZA1H101P	Digikey	\$1.84	1	\$1.84
330 μF/16 V Capacitor	Conductive Polymer Aluminum Solid Capacitors (OS-CON) 330uF ±20% 16V RADIAL SMT 10x12.6mm	C2	Panasonic	16SVP330M	<u>Digikey</u>	\$1.49	1	\$1.49
	Chip Multilayer Ceramic Capacitors for General Purpose,		Murata	GRM033R60J10				
.1µF Capacitor	0201, 0.10uF, X5R, 15%, 10%, 6.3V	C3, C6, C7, C8, C9, C10, C11, C12	Electronics	4KE19D	Digikey	\$0.10	8	\$ \$0.80
22μF Capacitor	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 22uF, X5R, 15%, 20%, 10V	C4	Murata Electronics		Digikey	\$0.12	1	\$0.12
1μF Capacitor		C5	Kemet		Digikey	\$0.16	1	\$0.16
40V 1A Diode		D1, D3, D4, D5	Diodes Inc.		Digikey	\$0.35		\$1.40
LED		D2	Broadcom	HSMG-C150	Digikey	\$0.44	1	\$0.44
1A 32V Fuse	ERB-RE1R00V Fuse Chip Fast Acting 1A 32V SMD Solder Pad 0603 1.6 X 0.8 X 0.54mm T/R UL/cUL	F1	Panasonic		Digikey	\$0.32	1	\$0.32
Barrel Jack		J1			Digikey	\$3.25	1	\$3.25
Mirco B USB	5	J2	GCT		<u>Digikey</u>	\$0.77		\$0.77
2X4 Connectors	*	J3, J4	Molex	702460801		\$0.95		2 \$1.90
330µH Inductor	SMD Inductors 330uH ±10% 0.14A 9.1Ω 1007	L1	Taiyo Yuden	CB2518T331K	Digikey	\$0.12	1	\$0.12
Headers To OLED	CONN HEADER VERT 4POS 2.54MM	P1	Würth Elektronik	61300411121	<u>Digikey</u>	\$0.17	1	\$0.17
10KΩ Resistor	Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R1	Yageo	RC0603JR- 0710KL	<u>Digikey</u>	\$0.10	1	\$0.10
0Ω Resistor	RES SMD 205K OHM 1% 1/2W 1992	R2, R5, R6, R7, R8	Vishay Dale		<u>Digikey</u>	\$0.13	5	\$0.65
5.1kΩ Resistor	7 7 7 11 7	R3, R4, R9, R10	Vishay Dale		<u>Digikey</u>	\$0.10	4	\$0.40
220Ω Resistor	77 7 1	R11		ERJ- 3EKF2200V	<u>Digikey</u>	\$0.10		\$0.10
Joystick Button	SWITCH NAVIGATION DGTL 20MA 15V	SW1	E-Switch	JS5208	Digikey	\$3.71	1	\$3.71
Tactile switch	SWITCH TACTILE SPST-NO 0.05A 42V	SW2, SW3	SCHURTER Inc.		<u>Digikey</u>	\$3.40	2	2 \$6.80
ESP32-S3-WROOM-1-N4		U1	Espressif Systems	_	Digikey	\$5.06	1	\$5.06
LM2575D2T-3.3R4G	Buck Switching Regulator IC Positive Fixed 3.3V 1 Output 1A	U2	onsemi	LM2575D2T-3.3 G	Digikey	\$3.32	1	\$3.32
OLED Screen	GRAPHIC DISPLAY OLED WHITE 0.96"	N/A	Teyleten Robot	B0CN373JF4	Amazon	\$12.88	1	\$12.88
	+	+		 '				
							TOTAL	: \$45.80