

Qty	Value	Footprint	Reference(s)
1	Buzzer	Buzzer_Beeper:Buzzer_12x9.5RM7.6	BZ1
2	18p	Capacitor_SMD:C_0603_1608Metric	C1, C3
17	100n	Capacitor_SMD:C_0603_1608Metric	C2, C4, C6, C7, C10, C11, C12, C13, C14, C15, C16, C17, C20, C21, C24, C25, C26
1	DNP 100n	Capacitor_SMD:C_0603_1608Metric	C5
2	1u	Capacitor_SMD:C_0805_2012Metric	C8, C9
2	10u	Capacitor_SMD:C_0805_2012Metric	C18, C19
2	22u	Capacitor_SMD:C_0805_2012Metric	C22, C23
2	SMAJ15A	Diode_SMD:D_SMA	D1, D2
2	SMA S1B	Diode_SMD:D_SMA	D3, D4
1	RBR1VWM30ATFTR	ppse_2021:Package-PMDE	D5
1	PWR_LED	LED_SMD:LED_0603_1608Metric	D6
1	LED_RGB 5050	LED_SMD:LED_RGB_1210	D7
1	D_Zener	Diode_SMD:D_0603_1608Metric	D8
8	CGRA4007	Diode_SMD:D_SMA	D9, D10, D11, D12, D13, D14, D15, D16
1	2016L050MR	ppse_2021:2016L Series PPTC	F1
1	Fuse 1.5A	ppse_2021:Fuse Holder	F2
1	FerriteBead	Inductor_SMD:L_0603_1608Metric	FB1
1	nn_02x03_Counter_Clockw	Connector_PinHeader_2.54mm:PinHeader_2x03_P2.54mm_Vertical	J1
1	nn_02x08_Counter_Clockw	Connector_PinHeader_2.54mm:PinHeader_2x05_P2.54mm_Vertical	J2
1	USB_B_Mini	Connector_USB:USB_Mini-B_Wuerth_65100516121_Horizontal	J3
1	12V IN	Connector_Molex:Molex_Micro-Fit_3.0_43650-0200_1x02_P3.00mm_Horizontal	J4
1	Compass	Connector_PinHeader_2.54mm:PinHeader_1x05_P2.54mm_Horizontal	J5
1	Accelerometer	Connector_PinHeader_2.54mm:PinHeader_1x08_P2.54mm_Horizontal	J6
1	OLED	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	J7
1	Panel- Connector	TerminalBlock_TE-Connectivity:TerminalBlock_TE_282834-2_1x02_P2.54mm_Horizontal	J8
1	Motor 1	Connector_JST:JST_XH_S5B-XH-A_1x05_P2.50mm_Horizontal	J9
1	Motor 2	Connector_JST:JST_XH_S5B-XH-A_1x05_P2.50mm_Horizontal	J10
1	Panel+ Connector	TerminalBlock_TE-Connectivity:TerminalBlock_TE_282834-2_1x02_P2.54mm_Horizontal	J11
1	2.2u	ppse_2021:Inductor	L1
1	3LP01M	Package_TO_SOT_SMD:SOT-323_SC-70	Q1
1	PDTCT114Y	Package_TO_SOT_SMD:SOT-23	Q2
3	BC846A	Package_TO_SOT_SMD:SOT-23	Q3, Q4, Q5
8	SI2300DS	Package_TO_SOT_SMD:SOT-23	Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13
15	10k	Resistor_SMD:R_0603_1608Metric	R1, R3, R6, R9, R11, R13, R22, R30, R31, R32, R33, R38, R39, R40, R41
2	1k	Resistor_SMD:R_0603_1608Metric	R2, R4
1	DNP 10k	Resistor_SMD:R_0603_1608Metric	R5
2	27R	Resistor_SMD:R_0603_1608Metric	R7, R8
5	33k	Resistor_SMD:R_0603_1608Metric	R10, R15, R17, R19, R24
1	510	Resistor_SMD:R_0603_1608Metric	R12
2	4k7	Resistor_SMD:R_0603_1608Metric	R14, R25
3	470R	Resistor_SMD:R_0603_1608Metric	R16, R18, R20
1	500m	Resistor_SMD:R_1210_3225Metric	R21
1	4k7 DNP	Resistor_SMD:R_0603_1608Metric	R23
8	22	Resistor_SMD:R_0603_1608Metric	R26, R27, R28, R29, R34, R35, R36, R37
1	PRG_SW	Button_Switch_THT:SW_PUSH_6mm	SW1
1	RST_SW	Button_Switch_THT:SW_PUSH_6mm	SW2
1	HOME_SW	Button_Switch_THT:SW_PUSH_6mm	SW3
1	EN_SW	Button_Switch_THT:SW_PUSH_6mm	SW4
1	W25Q16JVSS	Package_SO:SOIC-8_5.23x5.23mm_P1.27mm	U1
1	RP2040	ppse_2021:RP2040-Hand-Solder	U2
1	TPS563201	Package_TO_SOT_SMD:SOT-23-6	U3
1	PAM-7Q-0	ppse_2021:PAM-7Q0	U4
1	12MHz	Crystal:Crystal_SMD_3225-4Pin_3.2x2.5mm	Y1