

Designator	Quantity	Part	Description	Manufacturer	Comment	Value
C1, C4, C7	3	C1206C106K4RACTU	Ceramic capacitor SMD	Kemet	Capacitor	10uF
C2, C3, C5, C6, C8, C12, C13, C14, C15, C17	10	CL10B104KB8NNNL	Ceramic capacitor SMD	Samsung	Capacitor	100nF
C9	1	CL10A105KA8NNNC	Ceramic capacitor SMD	Samsung	Capacitor	1uF
C10, C11	2	CC0603JPNPO9BN220	Ceramic capacitor SMD	Yageo	Capacitor	22pF
D1	1	LED 3mm Orange	LED d3mm		LED	d=3mm, Orange
H1	1	0.96 OLED I2C 25.3x26.1mm	0.96 OLED display		OLED display	0.96 OLED I2C 25.3x26.1mm
L1	1	BLM31PG601SN1L	Ferrite bead	Bourns	Ferrite bead	600R @100MHz
LS1	1	GT-0905A	4-6V small buzzer (9mm)	Soberton	Buzzer passive	GT-0905A
Q1	1	Alternative IRLML2803	NPN Resistor-equipped Transistor		Transistor	PDTC114ET
R1, R2, R3	3	10k 5% 0603	Resistor SMD		Resistor	10K
R4, R5	2	4609X-101-102LF	SIP busseed resistor network. 8 resistors	Bourns	Resistor network	1K x 8
R8, R9, R16, R20, R21	5	0R 5% 0603	Resistor SMD		Resistor	0R
R14, R15	2	22R 5% 0603	Resistor SMD		Resistor	22
R18	1	1k 5% 0603	Resistor SMD		Resistor	1K
SW1	1	PEC11R-4020K-S0024	Rotary encoder with a switch	Bourns	Rotary encoder	PEC11R-4020K-S0024
SW5	1	A6E5104	5 way DIP switch	Omron	SW DIP-5	A6E5104
U1	1	STM32F105RBT6	ST MCU with CAN and USB	ST Micro	Microcontroller	STM32F105RBT6
U2	1	REG1117-3.3	800mA LDO Regulator	Texas Instruments	LDO	REG1117-3.3
U3	1	SN74LS07DRE4	Hex Buffer (Open Drain)	Texas Instruments	IC	SN74LS07DRE4
X1	1	5-146285-4	SWD connector	TE Connectivity	Connector	PLS-4
X2	1	DB-23 Male	Amiga external floppy connector. 23 pin Male.		Connector	DB-23 Male
X3	1	292303-5	Conn USB 2.0 Type A	TE Connectivity	Connector	292303-5
X4	1	3-644456-7	Header, 7-Pin	TE Connectivity	Connector	PLS-7
X5	1		Header, 2-Pin		Header 2	
X6	1	801-87-004-10-001101	Female Header, 4-Pin	Preci-Dip	Connector	BLS-4
ZQ1	1	HC-49/U-S8000000ABJB	Crystal	Citizen Finedevice	CRYSTAL	8MHz