

Reference	Value	Footprint	Qty	Notes
Printed Circuit Board		PCB 76.2 x 76.2 mm, M3 mounting holes	1	v1.2
LED PWR	Green	LED_THT:LED_D3.0mm	1	
LED A0-A7	Red	LED_THT:LED_D3.0mm	8	
LED M1-WR	Orange	LED_THT:LED_D3.0mm	5	
LED CLK	Yellow	LED_THT:LED_D3.0mm	1	
C1	100nF	Capacitor_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	1	
C2	10uF	Capacitor_THT:CP_Radial_D5.0mm_P2.50mm	1	
C3	10nF	Capacitor_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	1	
C4	1uF	Capacitor_THT:CP_Radial_D5.0mm_P2.50mm	1	
R1-R14,R18,R29,R31	1K	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	17	
R15-R17,R19-R28,R30	10K	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	14	
Q1	2N222	Package_TO_SOT_THT:TO-92_Inline	1	NPN Transistor, Alternative 2N3904
SW1	Reset	Button_Switch_THT:SW_PUSH_6mm_H5mm	1	Momentary Push Button Switch
RV1	500K / 504	Potentiometer_THT:Potentiometer_ACP_CA9-H5_Horizontal	1	Frequency adjust
U1	NE555	Package_DIP:DIP-8_W7.62mm	1	Precision timer monostable NE555 / LM555 Datasheet
U1	DIP 8	Package_DIP:DIP-8_W7.62mm	1	Socket
IC1	ZIF	Socket:DIP_Socket-40_W11.9_W12.7_W15.24_W17.78_W18.5_3M_240-1280-00-0602J	1	DIP40 ZIF Socket, any DIP40 socket can be used
J1	USB_B_Micro	Connector_USB:USB_Micro-B_Amphenol_10118194_Horizontal	1	
Components in total			57	

Component placement

