









## **Bill of Materials**

Designator	Description	Value	Q
C2, C3, C4	Ceramic or tantalum capacitor	100nF	3
C5	Electrolytic capacitor 16v/50v	0.47µF	1
C6	Ceramic or tantalum capacitor	10nF	1
DS1	Display 7 segments 4 digits, common cathode, size 0.36"	Red	1
IC1	555 Timer	555	1
IC2	4-Bit sync counter	74LS161	1
IC3	Decoder/Demultiplexer Dual 2-to-4	74LS139	1
MEM1	EEProm 64K, 8K x 8 bits	AT28C64	1
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 24p	24p	1
R1	Resistor axial	1K	1
R2	Variable resistor, Horizontal, 3 pins	500K	1
R3, R4, R5, R6	Resistor axial	330Ω	4
RN1	Resistor array 8 elements,9 pins	220Ω	1



## **Assembly List**

Desig.	Description	Value
C2	Ceramic or tantalum capacitor	100nF
C3	Ceramic or tantalum capacitor	100nF
C4	Ceramic or tantalum capacitor	100nF
C5	Electrolytic capacitor 16v/50v	0.47µF
C6	Ceramic or tantalum capacitor	10nF
DS1	Display 7 segments 4 digits, common cathode, size 0.36"	Red
IC1	555 Timer	555
IC2	4-Bit sync counter	74LS161
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MEM1	EEProm 64K, 8K x 8 bits	AT28C64
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 24p	24p
R1	Resistor axial	1K
R2	Variable resistor, Horizontal, 3 pins	500K
R3	Resistor axial	330Ω
R4	Resistor axial	330Ω
R5	Resistor axial	330Ω
R6	Resistor axial	330Ω
RN1	Resistor array 8 elements,9 pins	220Ω