

| Designator | Value | Package | Quantity | Comment |
|------------------|------------------------|---------|----------|----------------------------------|
| Y0 | 32.768kHz | THT | 1 | |
| X6-X9 | IN-3 | Nixie | 4 | or similar, can be modern neon |
| X0-X5 | IN-12 | Nixie | 6 | |
| VR0 | (78M05)L7805ACD2T | D2PAK | 1 | or other 5V 1A linear stabilizer |
| U3 | SN74141N / K155ID1 | THT | 1 | can be found on eBay |
| U2 | NE555P | S08 | 1 | |
| U1 | DS1307Z+ | S08 | 1 | |
| U0 | ATmega8A-AU | TQFP32 | 1 | pre-soldered |
| SW0-SW2 | 6mm switch | THT | 3 | angular |
| R7-R9, R15, R16 | 1k | 0805 | 5 | |
| R64 | 220k | 1206 | 1 | |
| R46-R63 | 220 | 0805 | 18 | |
| R40-R45 | 12k | 1206 | 6 | |
| R26-R32, R65-R68 | 470k | 1206 | 11 | |
| R19-R25 | 100k | 1206 | 7 | |
| R17, R33-R39 | 33k | 0805 | 8 | |
| R14 | 1k | THT | 1 | |
| R10-R13 | 470 | 0805 | 4 | |
| R0-R6, R18 | 10k | 0805 | 8 | |
| Q5-Q11 | MMBTA92 | SOT23 | 7 | or other PNP -300V -0.5A |
| Q4 | MMBT2907 | SOT23 | 1 | or other PNP -600mA |
| Q19 | IRFR310TRPBF | DPAK | 1 | or other N-channel mosfet 2A |
| Q12-Q18 | MMBTA42 | SOT23 | 7 | or other NPN 300V 0.5A |
| Q0-Q3 | MMBT2222A | SOT23 | 4 | or other NPN 600mA |
| P0 | 1k potentiometer | THT | 1 | angular |
| L0 | 100uH | SMD | 1 | THT equivalent fits as well |
| J0 | 2.1/5.5mm 9v DC | THT | 1 | |
| D2-D7 | LED RGB common cathode | 5050 | 6 | recommended min 3000mcd |
| D1 | SUF4007 | DO214AC | 1 | super-fast <75ns 400V 1A |
| D0 | M7 | DO214AC | 1 | Rectifier diode 400V 1A |
| C9 | 2.2uF 400V | THT | 1 | max h=10mm |
| C8 | 2.2nF 50V | 0805 | 1 | |
| C5-C7 | 100uF 16V | type D | 3 | |
| C11 | 470uF 16V | type E | 1 | |
| C10 | 47pF | THT | 1 | |
| C0-C4 | 100nF 50V 0805 | 0805 | 5 | |
| BT0 | coincell CR2032 holder | THT | 1 | |
| B0 | Buzzer piezo 5v | THT | 1 | with generator |
| Connector | M20 female | THT | 21 | normal 2.54mm raster |
| Connector | M20 male | THT | 21 | normal 2.54mm raster |