

Nixieclock Workshop

Control PCB

| Identifier | Type/Value | Quantity |
|----------------------|-----------------|----------|
| PCB1 | Control PCB | 1 |
| R1, R2, R3, R4 | 33 Ω | 4 |
| R12, R13 | 1 k Ω | 2 |
| C1, C2, C13, C14 | 10 pF | 4 |
| C7, C8, C9, C12 | 10 nF | 4 |
| C18, C19, C20, C21 | 100 nF | 4 |
| C3, C5, C6, C10, C11 | 10 μ F | 5 |
| L1 | Ferrite Bead | 1 |
| Y1 | 8MHz | 1 |
| Y2 | 32kHz | 1 |
| LED1 | LED green | 1 |
| LED2 | LED white | 1 |
| IC1 | STM32F103C8T6 | 1 |
| IC2, IC6 | LP2985 | 2 |
| IC3, IC4 | USBLC6-2 | 2 |
| BAT1 | Batteryholder | 1 |
| BAT | CR 1220 | 1 |
| SW1 | Tact Switch Top | 1 |
| J1 | 2x5 Socket | 1 |
| J2 | USB Jack | 1 |
| J3 | TRS Jack | 1 |

Power supply

| Identifier | Type/Value | Quantity |
|------------|------------------|----------|
| R23 | 0.01 Ω | 1 |
| R20 | 8,2 k Ω | 1 |
| R18 | 82 k Ω | 1 |
| R19 | 1 M Ω | 1 |
| C12 | 150 pF | 1 |
| C9 | 22 nF | 1 |
| C4 | 1 μ F / 250V | 1 |
| C15, C16 | 10 μ F | 2 |
| C17 | 100 μ F | 1 |
| D2 | Diode | 1 |
| D3 | Diode | 1 |
| T1 | IRF 7470 | 1 |
| IC5 | LT1619ES8 | 1 |
| L2 | 680 μ H | 1 |
| K1 | Kapton Tape | 1 |
| CW1 | Copper wire | 1 |

Display PCB

| Identifier | Type/Value | Quantity |
|------------|---------------|----------|
| PCB2 | Display PCB | 1 |
| R1, R2 | 220 kΩ | 2 |
| R10-R40 | 22 kΩ | 4 |
| RN10-RN71 | 4x10 kΩ | 12 |
| C1-C6 | 100 nF | 6 |
| T1-T49 | SMBTA 42 SMD | 46 |
| IC1-IC6 | 74HC595PW | 6 |
| JP1 | 2x5pol Header | 1 |
| GL1, GL2 | Neon Bulb | 2 |

Other

| Identifier | Type/Value | Quantity |
|------------|--------------|----------|
| - | Screws M3 | 8 |
| - | Spacer bolts | 4 |
| - | Feet | 4 |