

Bill of Material for Scope Clock v2

- [o] = Means these parts are optional and only included when you ordered the RTC (real-time-clock) option.
- [p] = Means these parts are optional and only required if you want to develop your own software and to program ATMEGA8515 'In Circuit'.
- [d] = Means these parts are optional and only required when a DCF77 time receiver module is connected.
- [e] = Means these parts are optional and only required when a digital encoder pot is connected. In the current software there is no support for this encoder pot.

| Chk | Used | Part Type | Designator | Description |
|-----|------|----------------|------------|-----------------------|
| [] | 1 | 1K | R1 | SMD 1206 RESISTOR |
| [] | 1 | 10K | R8 | SMD 1206 RESISTOR |
| [] | 3 | 100N | C1 - C3 | SMD 1206 CAPACITOR |
| [] | 1 | 10uF/35V | C8 | CAPACITOR |
| [] | 1 | 1N4002 | CR1 | DIODE |
| [] | 1 | LED | LD1 | LED3MM RED |
| [] | 1 | 7805 | U1 | TO220 REGULATOR |
| [] | 1 | DAC5626 | U2 | SO-8 DUAL DAC |
| [] | 1 | ATMEGA8515 | U4 | SOCKET-PLCC44 |
| [] | 1 | ATMEGA8515 | U4 | CONTROLLER |
| [] | 1 | OSC 18.1818MHZ | U5 | OSCILLATOR-DIP14 |
| [] | 1 | DCJACK | DCIN | DCJACK PIN 2,5 MM |
| [] | 1 | PUSHBUTTON | S1 | PCBSWITCH-LOW PROFILE |
| [] | 4 | HEX STUDS 5MM+ | | |
| [] | 4 | HEX STUDS 12MM | | |
| [] | 1 | DC PLUG | | |
| [o] | 1 | 32.768KHZ | XT1 | CRYSTALWATCH XTAL |
| [o] | 1 | DS1302 | U3 | DIP8 RTC CLOCK |
| [o] | 1 | 0.1F/5V | C7 | GOLDCAP capacitor pot |
| [p] | 2 | 1K | R4, R5 | SMD 1206 RESISTOR |
| [p] | 1 | AMP | ISPPROG | BOXHEADER10 |
| [p] | 1 | LED | LD2 | LED3MM GREEN |
| [p] | 1 | 330 | R6 | SMD 1206 RESISTOR |
| [p] | 1 | BC556 | Q1 | TO92 PNP TRANSISTOR |
| [d] | 1 | 120 | R7 | SMD 1206 RESISTOR |
| [d] | 1 | 100N | C6 | SMD 1206 CAPACITOR |
| [e] | 2 | 1K | R2, R3 | SMD 1206 RESISTOR |
| [e] | 2 | 100N | C4, C5 | SMD 1206 CAPACITOR |