Scope clock control board Revised: 2019/10/21

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| **Item** | **Quantity** | **Reference** | **Part** | **Description** | **Remarks** |
| 1 | 1 | U5 | DS3231 |  |  |
| 2 | 1 | U12 | AD7304 |  |  |
| 3 | 1 | BT1 | CR2032 Holder |  |  |
| 4 | 3 | C4,C6,C7 | 22pF |  |  |
| 5 | 2 | C13,C15 | 100pF |  |  |
| 6 | 1 | C12 | 330pF |  | 200pF、470pFUsed for adjustment |
| 7 | 3 | C10,C11,C17 | 1nF |  |  |
| 8 | 10 | C1,C2,C3,C5,C8,C9,C14,C16,C18,C19 | 0.1uF |  |  |
| 9 | 3 | C23,C24,C25 | 220uF 16V | Electrolytic capacitor  |6.3x11mm |  |
| 10 | 1 | D1 | LED RED | LED|3MM|red |  |
| 11 | 1 |  | LED Holder | LEDLamp holder | Has been installed on the LED |
| 12 | 1 | J7 | JP0103 | Pin|3P |  |
| 13 | 1 |  | Jumper | Jumper cap | If used with the driver board, the jumper cap is connected  Two feet close to the side of the XH socket |
| 14 | 1 | J1 | JP0104 | Pin|4P | Single chip serial port 1 |
| 15 | 1 | J4 | JP0105 | Pin|5P |  |
| 16 | 1 | J6 | XH-6 | XH2.54 6P socket |  |
| 17 | 1 | J8 | XH-8 | XH2.54 8P socket |  |
| 18 | 1 | Q1 | 2N3906 |  |  |
| 19 | 1 | R5 | 100R |  |  |
| 20 | 1 | R15 | 220R |  |  |
| 21 | 1 | R59 | 1K |  |  |
| 22 | 3 | R2,R3,R4 | 3.3K |  |  |
| 23 | 6 | R12,R16,R17,R25,R30,R38 | 4.7K |  |  |
| 24 | 1 | R11 | 7.5K |  |  |
| 25 | 15 | R7,R14,R19,R20,R22,R23,R26,R29,R32,R33, R34,R36,R39,R42,R55 | 10K |  | If the OSIZE potentiometer cannot adjust the grid to connect the vertices of the outermost four-line segment,  Replace R22 with 20K resistor |
| 26 | 11 | R8,R21,R28,R35,R41,R43,R45,R46,R49,R50,  R52 | 20K |  |  |
| 27 | 2 | R47,R53 | 40.2K |  |  |
| 28 | 1 | R10 | 80.6K |  |  |
| 29 | 1 | R1 | 1M |  |  |
| 30 | 3 | R13,R18,R31 | 2K | 3362SPotentiometer |  |

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| 31 | 9 | R24,R27,R37,R40,R44,R48,R51,R54,R60 | 10K | 3362SPotentiometer |  |
| 32 | 1 | S1 | SW-TC-1 | Touch switch |  |
| 33 | 1 | Y1 | 20MHz | 20MHzCrystal |  |
| 34 | 5 | U6,U7,U8,U9,U11 | ICsocket|8P |  |  |
| 35 | 1 | U4 | IC socket|14P |  |  |
| 36 | 3 | U1,U2,U10 | IC socket|16P |  |  |
| 37 | 1 | U3 | IC socket|40P |  |  |
| 38 | 1 | U1 | 74HC4060 |  |  |
| 39 | 1 | U2 | 74HC151 |  |  |
| 40 | 1 | U3 | STC12C5A60S2 |  |  |
| 41 | 1 | U4 | 74HC74 |  |  |
| 42 | 5 | U6,U7,U8,U9,U11 | TL082 |  |  |
| 43 | 1 | U10 | CD4052 |  |  |