

Description

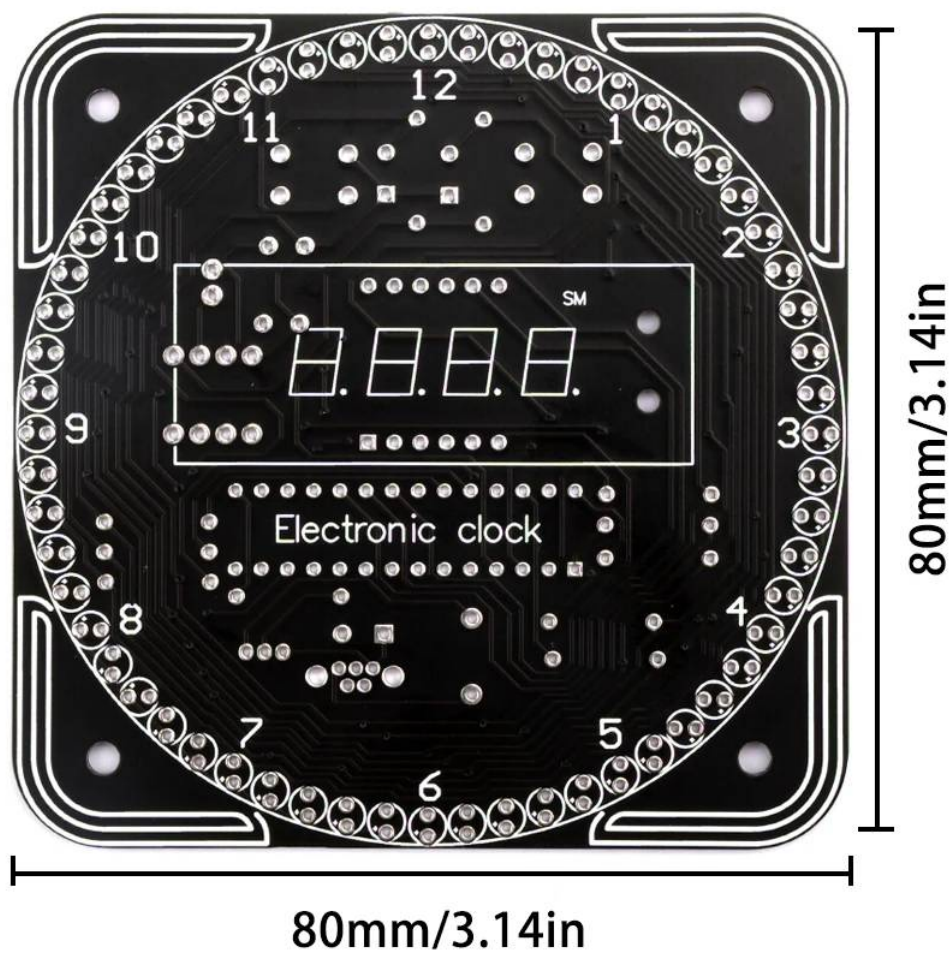
□Features:

- 1.The product is made of high-quality materials.
- 2.The product is very suitable for DIY enthusiasts and electronic teaching, etc
- 3.Stable product performance and long service life
- 4.With multiple functions such as time display, temperature display, power-off saving function, adjustable time and time division, adjustable alarm clock, etc
- 5.With light control function, the brightness can be automatically adjusted according to the environment (also used as a small night light)

□Parameter:

- 1.Time display, power-off saving function
- 2.Adjustable time and time division
- 3.Can display temperature
- 4.Adjustable alarm clock, alarm switch
- 5.Automatically adjust brightness on/off
- 6.Press S1 for the first time to enter the score adjustment mode, and at this time, press S2 to increase the score by 1
- 7.Press S1 for the second time to enter timing mode, and at this time, press S2 to add 1
- 8.Press S1 for the third time to enter the alarm clock adjustment mode. At this time, press S2 to increase the alarm clock adjustment by 1
- 9.Press S1 for the fourth time to enter the alarm clock timing mode. At this time, press S2 to increase the alarm clock timing by 1
- 10.Press S1 for the fifth time to enter the alarm switch. The default display is "0000", and the instant alarm is off. At this time, press S2 to display "1111", and the alarm is on
- 11.Press S1 for the sixth time to enter the automatic brightness adjustment mode switch, and the default display is "0000"





- 1, time display, power off save function
- 2, time can be adjusted
- 3, can display the temperature
- 4, adjustable alarm clock, alarm switch
- 5, can be switched automatically adjust the brightness
6. Press S1 for the first time to enter the blending mode. At this time, press S2 to add 1
7. Press S1 for the second time to enter the timing mode. At this time, press S2 to add 1
- 8, press S1 for the third time to enter the alarm clock adjustment mode, then press S2 alarm clock adjustment plus 1
9. Press S1 for the fourth time to enter the alarm clock setting mode. At this time, press S2 alarm clock setting to add 1
- 10, press S1 for the fifth time to enter the alarm switch, the default display "0000" instant alarm clock is off, press S2 to display "1111", that is, the alarm clock is on
- 11, press S1 for the sixth time to enter the automatic brightness mode switch, the default display "0000" indicates
- 12, the automatic brightness adjustment function is off, at this time, press S2 to display "1111" that means automatic
13. Brightness adjustment function is opened
14. Press S1 for the seventh time to return to the main display interface

The display time of the main display interface is 13 seconds, and the real-time temperature is displayed for 3 seconds

Component list

LIST OF COMPONENTS

1	Comment	Designator	Quantity
2	3.3V patch button battery holder	B	1
3	1220 button battery	B	1
4	10p chip capacitor	C1, C2	2
5	3mm blue LED	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60	52
6	3mm red LED	12,5,10,15,20,25,30,35,40,45,50,55,60	14
7	Buzzer	F	1
8	Photoresistor	GM	1
9	USB power interface	P1	1
10	9012 triode	Q1	1
11	330R plug-in resistor	R1, R2, R3, R4, R5, R6, R7, R8,R11	9
12	10K plug-in resistor	R9, R10	3
13	Thermistor	RM	1
14	SW-PB	S1, S2	2
15	4 digit nixie tube	sm	1
16	STC15w408as	U1	1
17	DS1302	U2	1
18	Crystal oscillator 32.768Khz	Y2	1
19	28P chip holder	U1	1
20	8P chip holder	U2	1
21	PCB		1

Function and characteristics

Functions: accurate temperature measurement, accurate travel time, power off memory, alarm clock setting (can be opened and closed), physical light control (can be opened and closed)

Peculiarity

- 1, using digital tube display principle design;
- 2, full plug-in component design, production success rate of up to 99.9%;
- 3, using digital tube display principle design;
- 4, six kinds of time animation, let you never get tired of watching;
- 5, four kinds of offline animation, giving people is also good oh;
- 6, the time and temperature alternate display, look at the temperature and time no longer need to always look at the mobile phone!
- 7, with all the way alarm clock reminder, no longer have to worry about not getting up;
- 8, with light control function, can automatically adjust the brightness according to the environment (can also be used as a night light oh);

Welding precautions

1. The PCB board is printed with screen printing marks of various components, please weld against screen printing marks;
- 2, resistance regardless of direction, but there are different resistance values, please pay attention to distinguish when welding;
- 3, electrolytic capacitors, LED lights are positive and negative, long foot is positive (+), short foot is negative (-), the buzzer needs to be divided into positive and negative poles;
- 4, digital tube welding pay attention to a little downward
- 5, IC chip welding needs to be divided into the direction of the chip gap on the circuit board screen printing gap.

