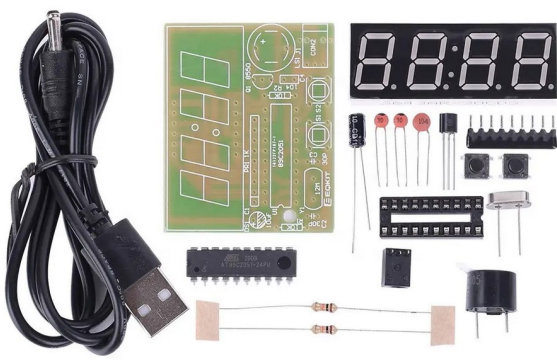




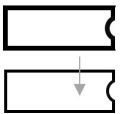







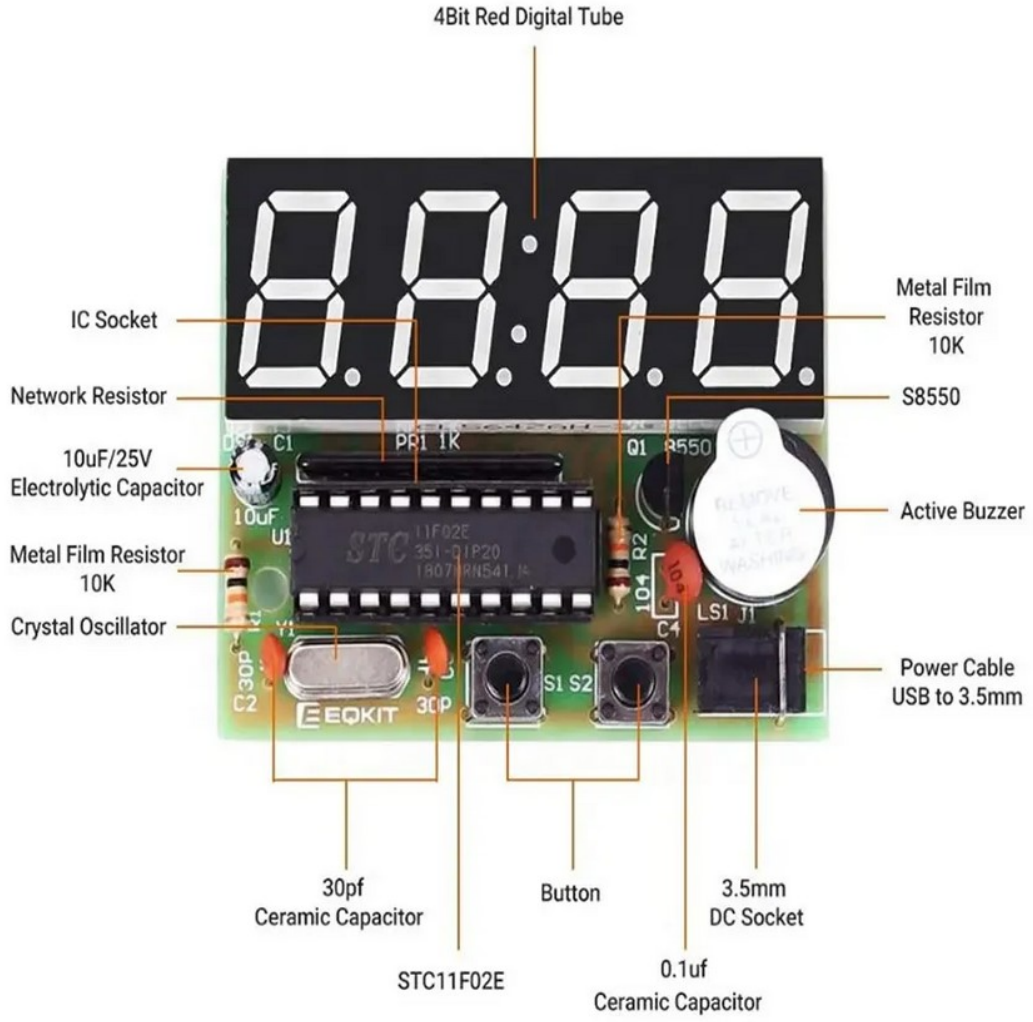
Bausatz Uhr

Bauteile	
	<p>In Klammern: Kennzeichnung auf Platine</p> <p>Platine Batteriefach USB-Kabel Widerstände 2 x 30k (R1) Kondensatoren Keramik 0,1uF(104, C4), 2 x 30pF(C2,C3) Kondensator Elko 10uF 25V (C1) Widerstandsnetz 1k (PR1) Oszillator (silbern) 12MHz (Y1) Transistor S8550 (Q1) Druckknöpfe 2 x 6/6/5mm (S1,S2) Sockel und Chip/Microprozessor (U1) Signalgeber (LS1) Digitalanzeige (DS1) DC-Buchse (J1)</p> <p>Betrieb mit USB oder zusätzlich benötigt: 3 AA-Batterien</p>

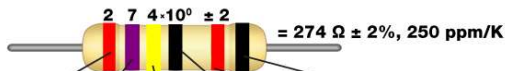
Hinweise zum Zusammenbau				
<p>Allgemeine Hinweise:</p> <ul style="list-style-type: none"> - Grundlagen, Tipps und Sicherheitshinweise zum Löten finden Sie hier, s. Link - Halten Sie die Kontaktzeit von Lötcolben und Draht des Bauteils kurz (max. 5 Sekunden) um Schäden am Bauelement zu vermeiden. 				
Hinweise zum Bausatz:				
Widerstand	Kondensator Elko	Kondensator Keramik	Widerstandsnetz	Transistor
aufgedruckte Werte beachten Richtung egal (Farbcode für Widerstände s. nächste Seite)	kurzer Draht: - langer Draht: + 	Aufgedruckte Werte beachten Richtung egal 	Richtung beachten Beschriftung zeigt zum Chip 	entsprechend der Form 
Sockel und Chip	Druckknopf	Oszillator	Signalgeber	DC-Anschluss
anbringend entsprechend der Einkerbung 	Anbringung entsprechend rechteckiger Form  Richtung egal	Richtung egal 	kurzer Draht: - langer Draht: + 	Anbringung, sodass Buchse nach außen zeigt 

Batteriefach	Digitalanzeige			
schwarz: - rot: +	Beschriftung zeigt zum Chip			
schwarzes Kabel bei -, rotes Kabel bei +				

Aufbau

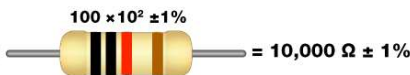


How to Read Resistor Color Codes

6-Band  = 274 Ω ± 2%, 250 ppm/K

Color	1st Digit	2nd Digit	3rd Digit	Multiplier	Tolerance	Temperature Coefficient
Black	0	0	0	1 Ω		250 ppm/K
Brown	1	1	1	10 Ω	± 1%	100 ppm/K
Red	2	2	2	100 Ω	± 2%	50 ppm/K
Orange	3	3	3	1k Ω		15 ppm/K
Yellow	4	4	4	10k Ω		25 ppm/K
Green	5	5	5	100k Ω	± 0.5%	20 ppm/K
Blue	6	6	6	1M Ω	± 0.25%	10 ppm/K
Violet	7	7	7		± 0.1%	5 ppm/K
Grey	8	8	8			1 ppm/K
White	9	9	9			
Gold				0.1 Ω	± 5%	
Silver				0.01 Ω	± 10%	

4-Band  = 1,200 kΩ ± 5%

5-Band  = 10,000 Ω ± 1%

Bedienung der Uhr

It will display 12:59 when Power-on, the normal interface is ("hours:minutes"). Default the two alarm clock time are opened. The first alarm clock has been set at 13:01 and the second alarm clock has been set at 13:02. Short press S2 after power-on to switch between time-division traveling time interface ("hours:minutes") and minute-second walking time interface ("minutes:seconds"); Long press S1 to enter the system Settings Menu. There are A, B, C, D, E, F, G, H, I submenu. Short press S1 submenu to add 1 and finally return to travel time interface.

A sub menu : Correction for hours. Press S2 to increase by 1; After adjusting, press S1 to save and exit this submenu to enter the B submenu.

B sub menu : Correction for minutes. Press S2 to increase by 1. After adjusting, press S1 to save and exit this submenu to enter the C submenu.

C sub menu : On time alarm switch. The default state is ON (on-time-alarm is open from 8:00 to 20:00). It will switch between ON and OFF (on-time-alarm is closed) after press S2. Short press S2 to save the adjusted results and quit C submenu, enter D submenu.

D sub menu : The first alarm-clock switch. The default state is ON (the first alarm-clock is opened). It will switch between ON and OFF (first-alarm-clock is closed) after press S2. If it is set to ON, short press S1 to save and quit, then enter E submenu; If it is set to OFF, short press S1 to save and quit, then enter G submenu;

E sub menu : The first alarm clock set for hours. Display data will add 1 after press S2. After adjusting the E Submenu, then short press S2 to save the adjusted results and quit E submenu, enter F submenu.

F sub menu : The first alarm clock set for minutes. Display data will add 1 after press S2. After adjusting the F submenu, then short press S2 to save the results and quit F submenu, enter G submenu.

G sub menu : The Second alarm-clock switch. The default state is ON (the second alarm-clock is opened). It will switch between ON and OFF (second-alarm-clock is closed) when press S2. If it's set to ON, short press S1 to save and quit, then enter H submenu; If it's set to OFF, short press S1 to save and quit, then enter normal interface;

H sub menu : The second alarm clock set for hours. Display data will add 1 after press S2. after adjusted the F Submenu, then short press S2 to save the adjusted results and quit H submenu, enter I submenu.

I Sub menu : The second alarm clock set for minutes. Display data will add 1 after press S2. After adjusting the I Submenu, then short press S2 to save the adjusted results and quit H submenu, then enter normal interface.

Second correction: Short press S2 in the normal interface, then enter " minutes : seconds" interface. Long press S2, make the second zero. Then short press S2 twice enter normal interface.