No. **76336** Firmenanschrift aufbewahren - Nicht geeignet für Kinder unter 3 Jahre (leinteile! Keep the address of the company - Not suitable for children under 3 years Contains small parts! Veuillez conserver l'adresse - Ne convient pas pour les enfants de de trois ans! - Contient de petites pièc ouvant être absorbées! Adres bewaren - Niet schikt voor kinderen beneden 3 jaar! - Kleine onderdelen Kunnen worden inge SOL-EXPERT group, C.Repky - Mehlisstrasse 19 - D-88255 Baindt Return the device Tel.: +49 (0)7502 - 94115-0 - Fax: +49 (0)7502 - 94115-99 to a certified provider at info@sol-expert-group.de - www.sol-expert-group.de the end of its useful life Klik hier voor de instructies: Hier geht es zur Anleitung: Click here for the instructions: Cliquez ici pour les instructions: **QR** Codes https://www.sol https://www.solhttps://www.solhttps://www.solexpert-group.de/All--expertexpertexpertgroup.de/Rund-ums-Loeten/Pfiffige about-soldering/Smart-kits-forgroup.de/Autour-de-la-soudure/Kitsgroup.de/Rond-solderen/Clever-kits-voor-hetastucieux-pour-la-soudure/Coeur-de-kit-de soldering/Solder-kit-heart-with-flashing-Loetbausaetze/Loetbausatz-Herz-mitsolderen/Soldeerkit-hart-met-knipperende-functiesoudure-avec-fonction-clignotante-et-Blinkfunktion-undfunction-and-permanenten-permanent-licht::1263.html?language=nl Dauerleuchten::1263.html?language=de light::1263.html?language=en lumiere-permanente::1263.html?language=fr Heart with blinking or steady lights Parts list Check and sort out parts soldering kit, powered via power bank Part Value/Description Qty. or USB port 1 Circuit board 76320 20 LED 5 mm Colour red 2 Resistor (R5/R6) 3K9 Ohm 2 Resistor (R1/R4) 56 Ohm 1 Resistor (R7) 620 Ohm 2 Capacitor (C1/(C2) 47 uF/10V 47 uF 2 BC547B Transistor (T1/T2) 1 Switch (SW1) SS12D01 0 1 Pot (R2) 100K ohm USB connector installed 1 1 Front panel 1-pc. You will also need: Soldering iron, solder, wire cutters, tweezers, power bank or USB port The 'Blinking Heart' soldering kit The 'Blinking Heart' soldering kit is excellent to practice soldering on a **Recommendation for children**

and teenagers: Assembly and

soldering should be supervised

by an adult.

The 'Blinking Heart' soldering kit is excellent to practice soldering on a circuit board. Over 30 parts are soldered onto the circuit board step by step according to the instructions. Once the kit is assembled the heart can be operated in steady or blinking mode.

In blinking mode you can then also adjust the blink speed via the

potentiometer. So you can send messages, e.g. slow blinking: I love you - rapid blinking: I really love you!

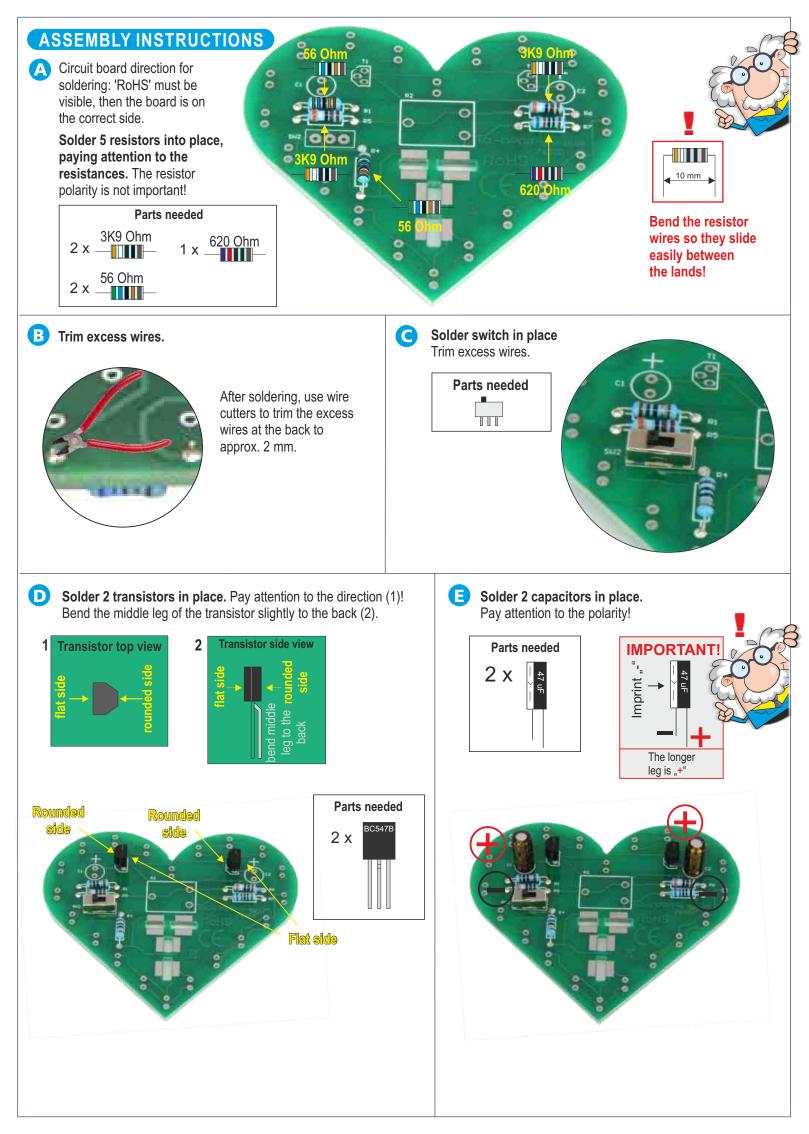
Decorate the included plywood front any way you'd like and install if desired. Dimensions: 70 x 70 mm, over 30 parts. The 'Blinking Heart' electronics building kit is powered via power bank or via USB port. This eliminates costly batteries.

IMPORTANT SAFETY NOTES

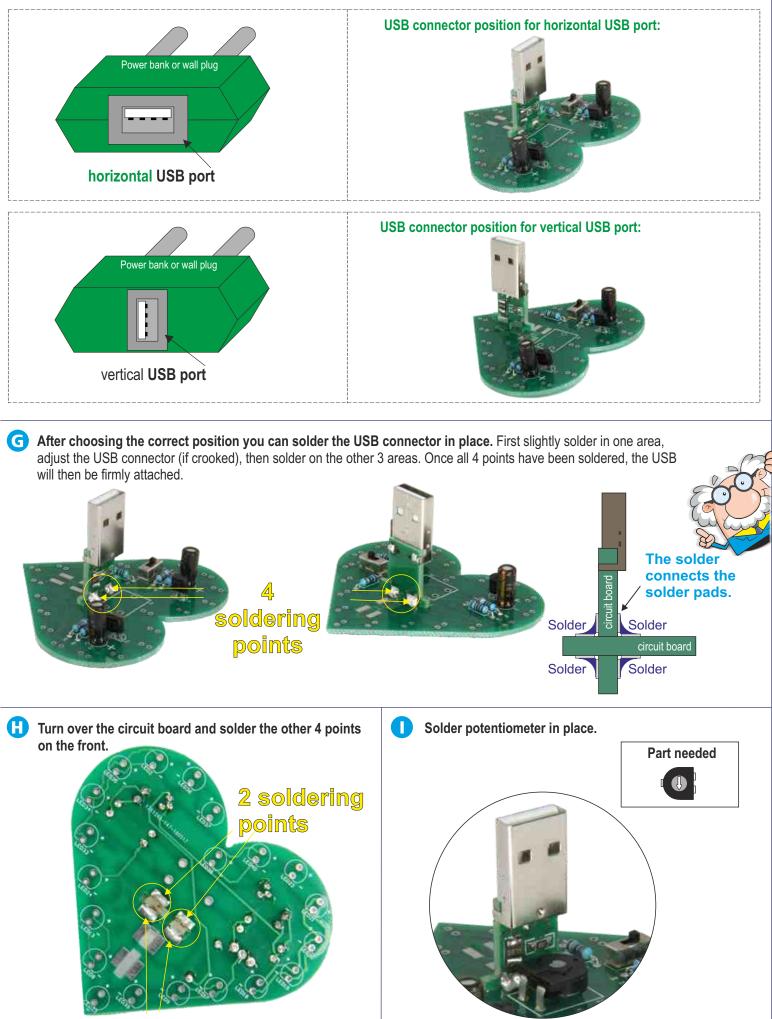
- Keep this manual for future reference! It contains important information.
- This kit is intended for USB power only. <u>Never connect the kit to 230 V mains voltage!</u> <u>Acute danger to life!</u>
- The soldering iron, solder and the parts being soldered become very hot. Be very careful!
- Always use a mat when soldering! This prevents parts and the circuit board from slipping.
- We recommend using a soldering iron holder to set the soldering iron down safely during use.

ENVIRONMENTAL NOTES

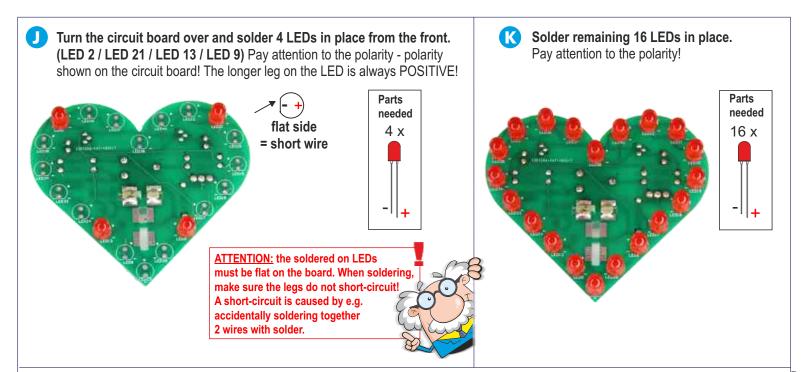
Generally: Please return the circuit board to a certified provider at the end of its useful life. These will then ensure it is disposed of in compliance with directives. This is good for the environment and an important part of actively protecting the environment.



Before installing the USB connector you will need to determine if the USB port on the power bank or the USB adapter you will be using to power the heart is horizontal or vertical.



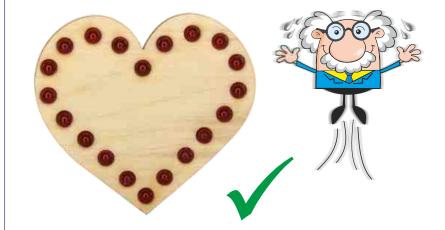
2 soldering points



VISUAL INSPECTION:

Lean back in your chair and take a mental break. Once you feel relaxed, read through the assembly instructions again from the start, checking if you did everything as instructed. Pay particular attention to short-circuits and the resistances, etc. Take your time and once you have checked all items, plug the USB connector into a power bank or a USB port. Some power banks have a power button which needs to be pushed for the circuit board to work.

Slide the front panel over the LEDs, using a little pressure. If necessary, adjust the LEDs!



Once plugged in, all LEDs should now flicker. Depending on the setting they will either be steady or blink. You can use a small screwdriver to adjust the speed on the potentiometer.

TROUBLESHOOTING:

No LEDs on:

- Check all soldering points
- Did you push the power button on the power bank to switch it on?
- Check the transistors for short-circuits
- Is the power bank charged?

Specific LED does not light up: - Check the soldering points for the LED

