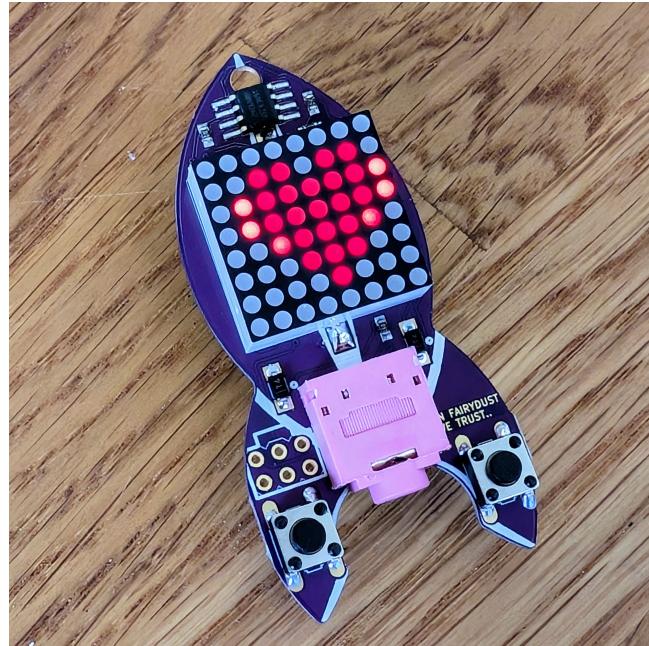


# Blinkenrocket Mini



Quantity	Description
2	Buttons
1	8x8 dot matrix
1	Headphone connection
1	CR2032 battery holder
1	CR2032 battery (not included)
1	Pre-assembled flashing rocket circuit board (PCB)
1	3.5 mm jack to 3.5 mm adapter (optional)
1	3.5 mm jack to USBC (optional)
1	3.5 mm jack to Iphone (optional)

Difficulty: ●●○○○ Build-Time: 30 – 60 Minutes

Manual v1.0 CC BY-SA 4.0 Binary Kitchen e.V.  
Board v1.0 CC BY-SA 4.0 overflow

## Safety Information

- ATTENTION: Not suitable for children under 3 years, choking hazard due to small parts that may be swallowed.
- We recommend: Supervision of the assembly and soldering process by an adult.
- Keep these operating instructions in a safe place for later use! It contains important information.
- If the battery is empty, replace it only with a new battery with the same values.
- When soldering, the soldering iron, the solder and also the components being soldered become very hot.
- Always wear safety glasses when soldering and assembling the kit.
- Always use a fire proof soldering pad when soldering! This prevents the components from slipping away.
- To keep the soldering iron safe during assembly, always use a suitable soldering stand.
- The kit is designed for battery operation only.
- CAUTION: Never connect the kit to 230 V mains voltage! There is an absolute danger to life!
- Please take the device to appropriately certified disposal companies at the end of its service life. This is good for the environment and ensures correct disposal.
- Subject to changes and errors.

## Disposal

This appliance is labelled in accordance with the European Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). The directive provides the legal framework for the take-back and recycling of waste equipment throughout the EU.

- **packaging:** The packaging is made of environmentally friendly materials and is therefore recyclable. Dispose of packaging materials that are no longer needed accordingly.
- **waste equipment:** Old appliances often still contain valuable materials. Therefore, hand in your old appliance to your retailer or a recycling centre for reuse. Please ask your retailer or your local authority for the current disposal routes.

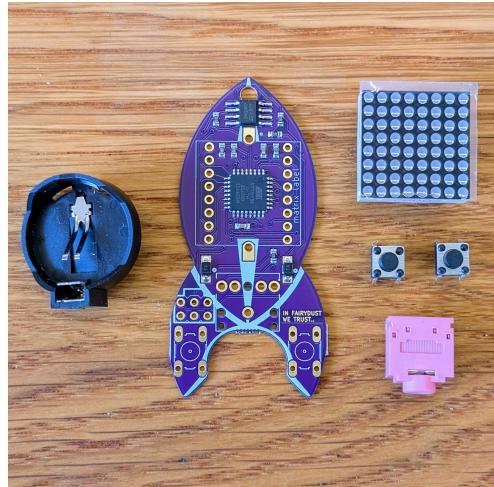
blinkyparts.com  
Egerstr. 9  
93057 Regensburg  
GERMANY



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### Step 1

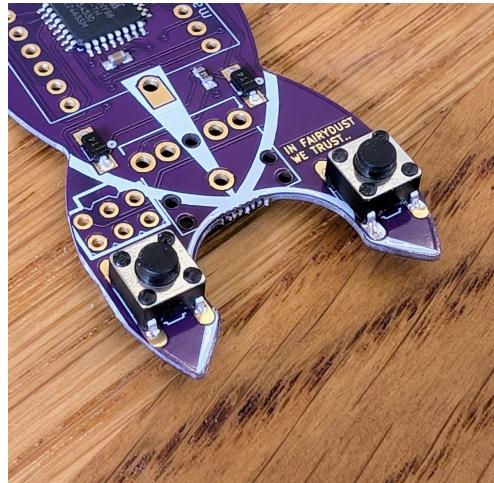
- a) Check your components for completeness
- b) Sometimes a small part is hidden in the bag. Look carefully here
- c) Tip: These are almost exclusively THT (through-hole) components. You push the components through the board from the top and solder them on from the other side. You can bend the legs slightly when inserting them through the back of the board, so that the parts hold and can be soldered more easily.



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### Step 2

- a) Place the board in front of you, so that you can see the pre-soldered chip. We define this side as the top side
- b) Insert the two buttons from the top side into the holes near the fins
- c) The switches are normally very tight. Turn the board over and solder the eight soldering points from the back.
- d) If you have an electronics side cutter, you can cut off the protruding pieces of wire.



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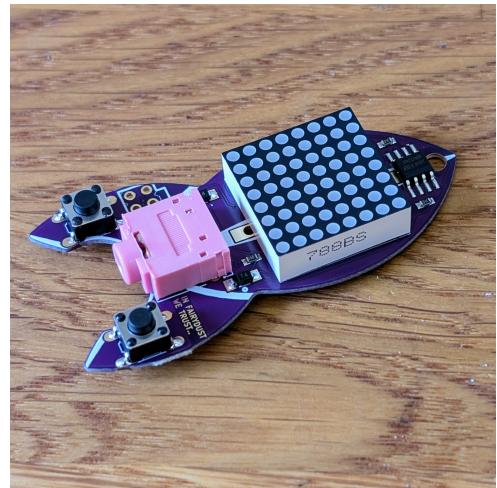
### Step 3

- a) Now insert the headphone connector into the board from the top side, so that the hole for the jack plug looks out of the bottom of the rocket.
- b) Turn the board over again and solder the headphone connection from behind.



#### Step 4

- a) Now take the LED matrix
- b) Attention: The LED matrix has one direction. You will find an inscription on exactly one side. If the rocket is lying in front of you with the tip pointing away from you, you must insert the LED matrix so that the label is on the right. Make sure that it lies flat on the board.



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#### Step 5

- a) Now turn the board to the underside.
- b) There you will see the outline of the battery holder. Insert the battery holder into the board, so that the outline drawn and the outline of the battery holder match.
- c) Turn the board onto the top rivet and solder the battery holder from the top.
- d) The pins are very close to the matrix. Be careful not to melt any plastic parts with the soldering iron.



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#### Step 6

- a) You're done! Insert a battery and go to <http://blinkerocket.de> to program the rocket
- b) You will need a jack adapter or a jack cable for your cell phone.

