

# I Can Solder (DIP)



Quantity	Name	Description	Signing/Colorcode
3	LED1-LED3	5 mm RGB LED	
1	-	CR2032 battery holder	
1	-	Butterfly pin and holder	
1	-	Board	

Difficulty: ●○○○○ Build-Time: 0.5–1 Hours

Manual v1.2 CC BY-SA 4.0 Binary Kitchen e.V.  
Board v2.0 CC BY-SA 4.0 Binary Kitchen e.V.

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### Step 1

- Hint: LEDs do have a direction! The direction is shown by the length of the legs. The board has a printed circle with a dent at one side (right)
- Push the LED with the short leg at the side of the dent trough the holes in the board



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### Step 2

- Bend the legs until the LED stays by it self in the holes
- Solder the legs at the back-side of the board
- Caution: Always wear protective glasses!
- Clip the rest of the legs



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### Step 3

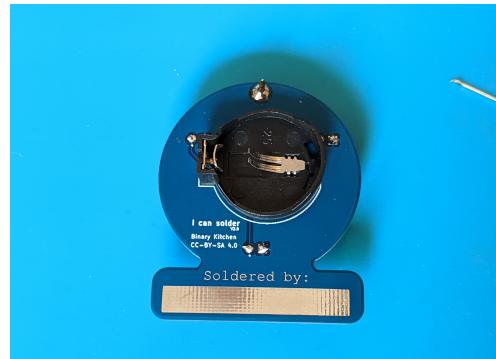
- Clip the small nose off the butterfly-pin nail
- Push the nail at the front-side (with logo) trough the hole on the top of the board
- Solder the nail on the back-side
- Caution: The nail stays hot a long time!



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### Step 4

- Push the battery holder as shown at the back-side of the board into the holes
- Solder the pins at the front-side



## Step 5

- a) Push the battery with the plus-symbol showing into the battery holder
- b) The LEDs should work now

