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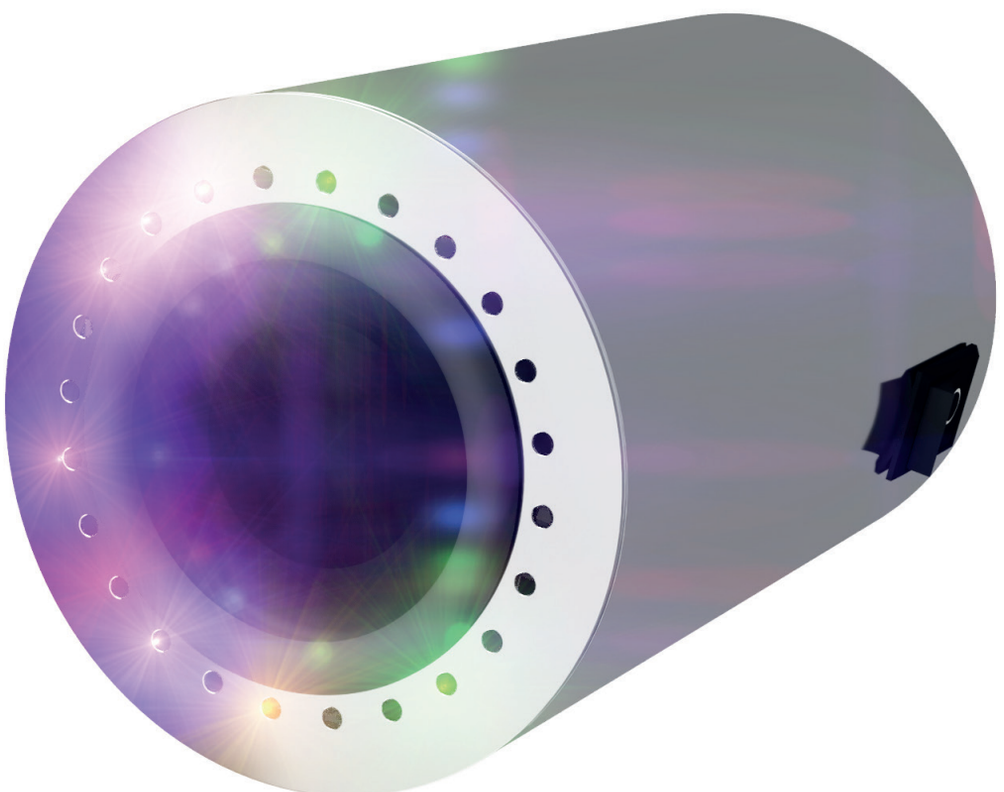
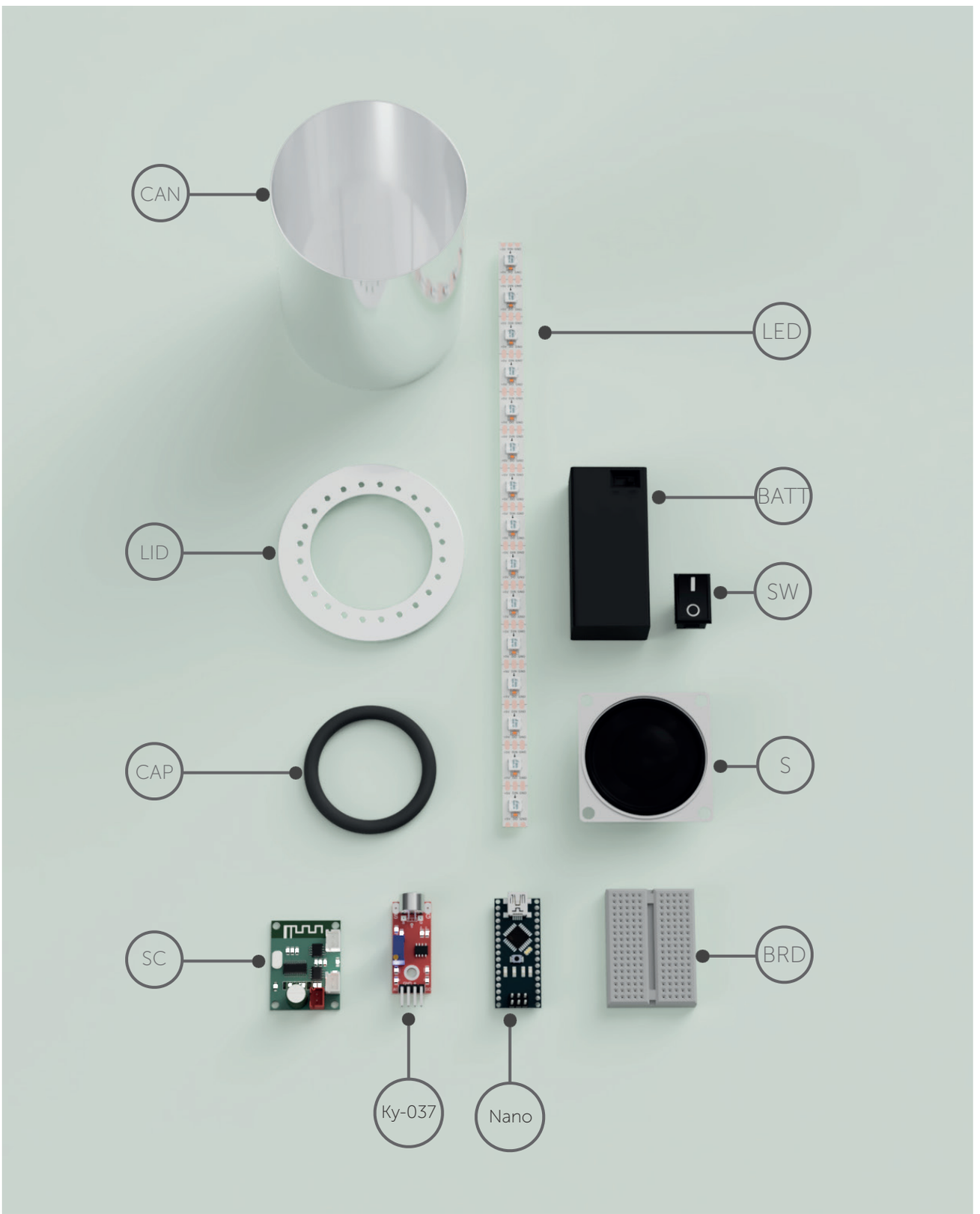
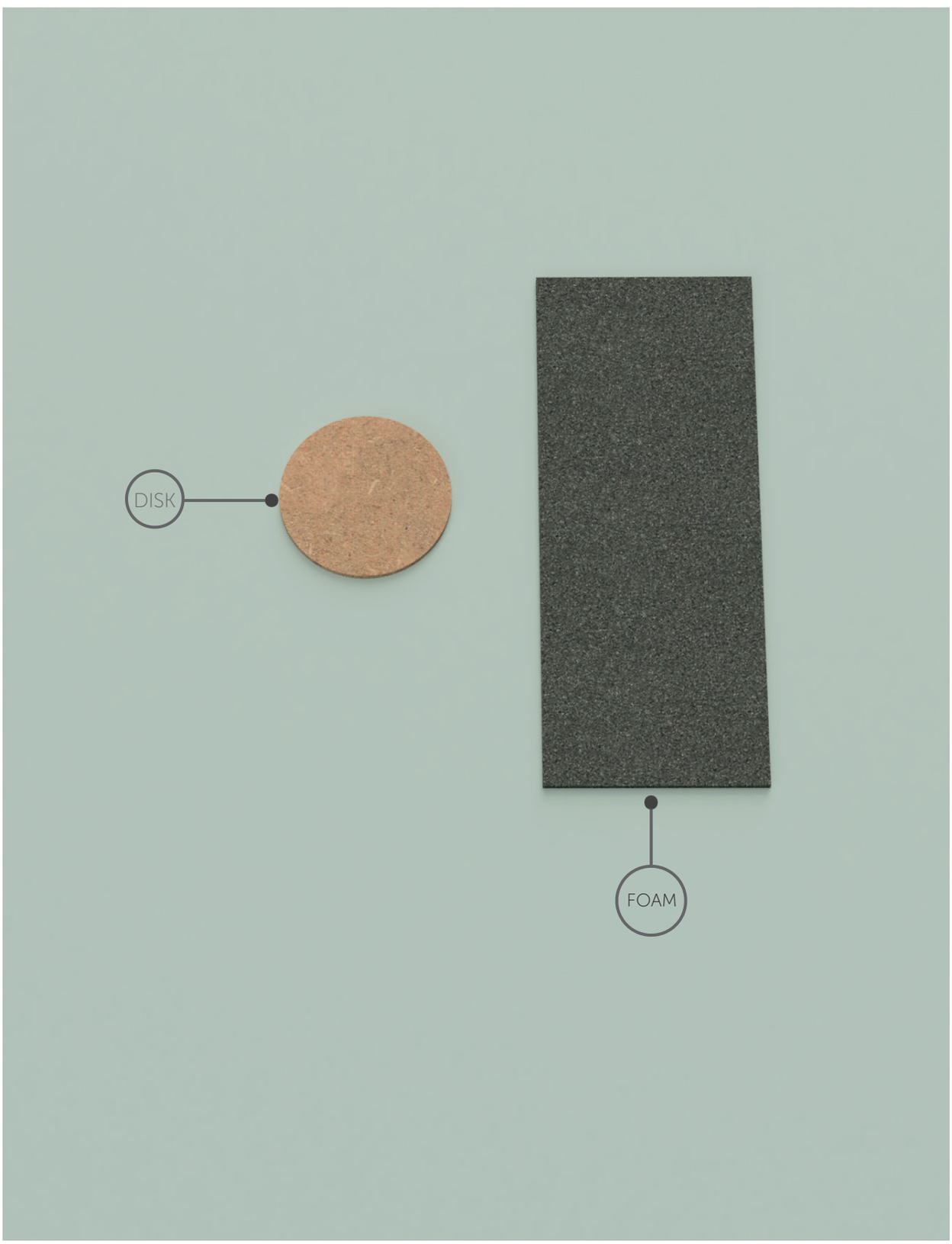
GFG Foundation STEAM Challenge

România

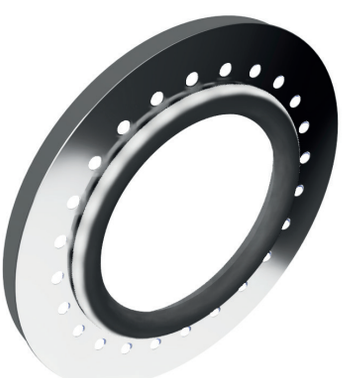



CAN
LED
BATT
LID
SW
CAP
S
SC
BRD
Ky-037
Nano


DISK
FOAM

1

LID
CAP



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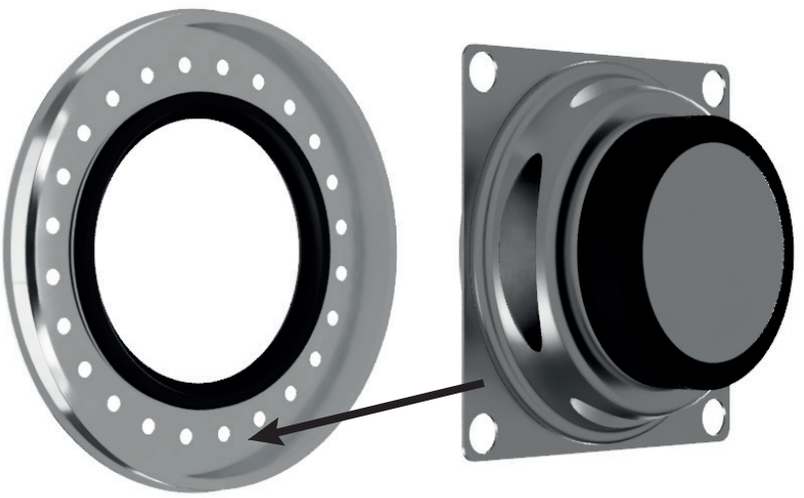

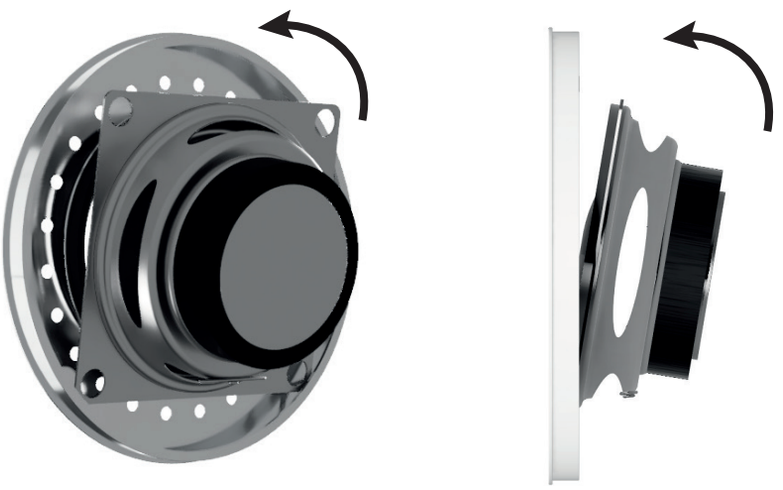

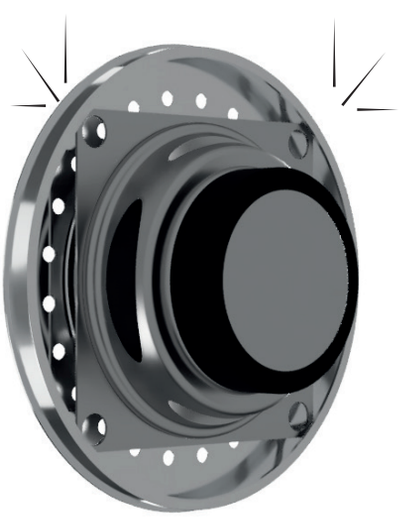

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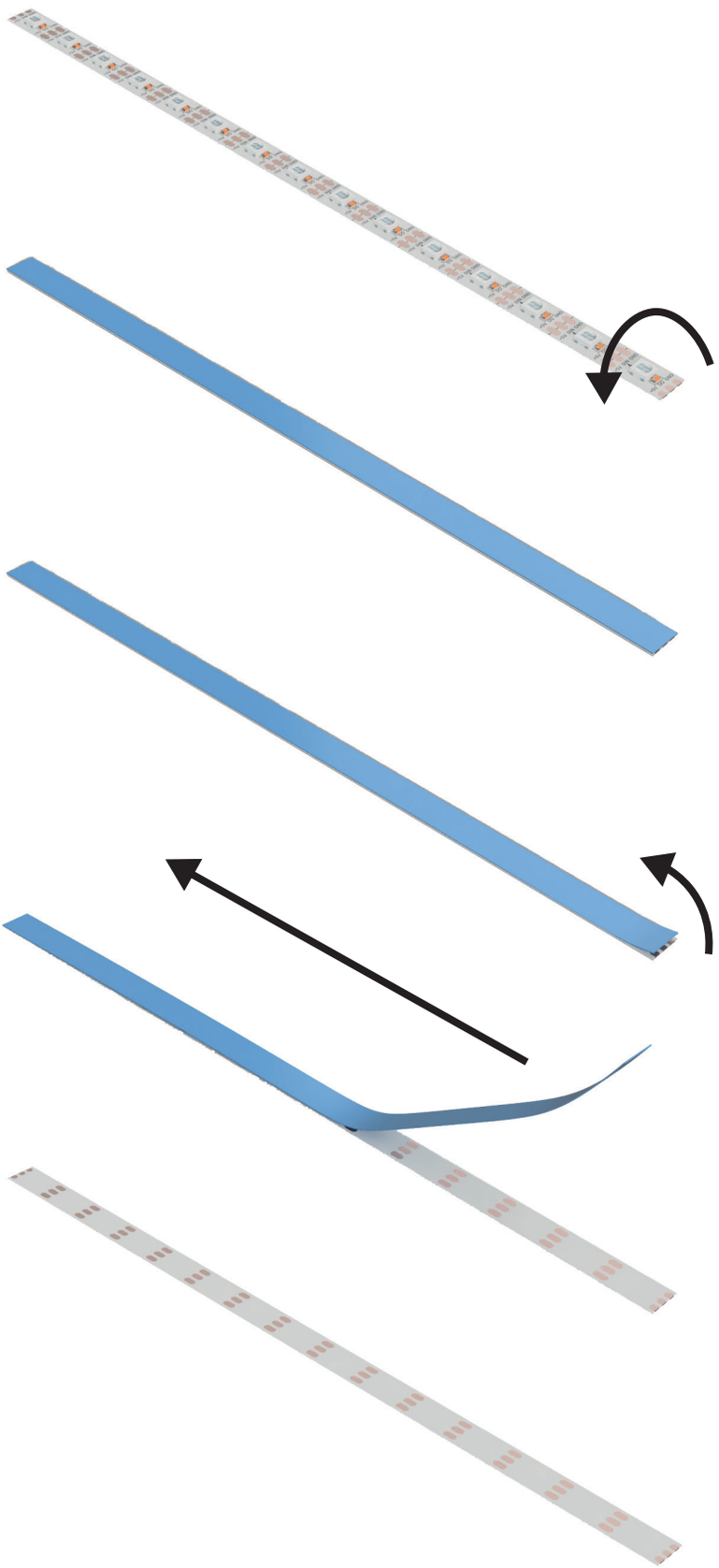
LED



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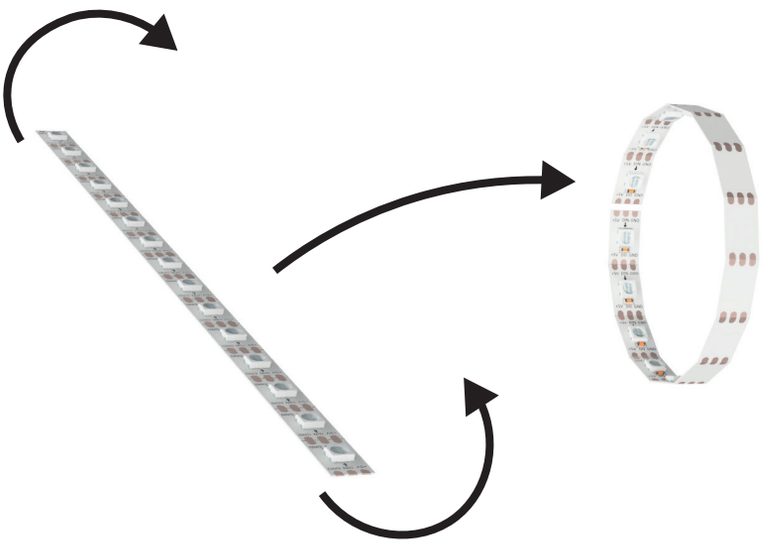
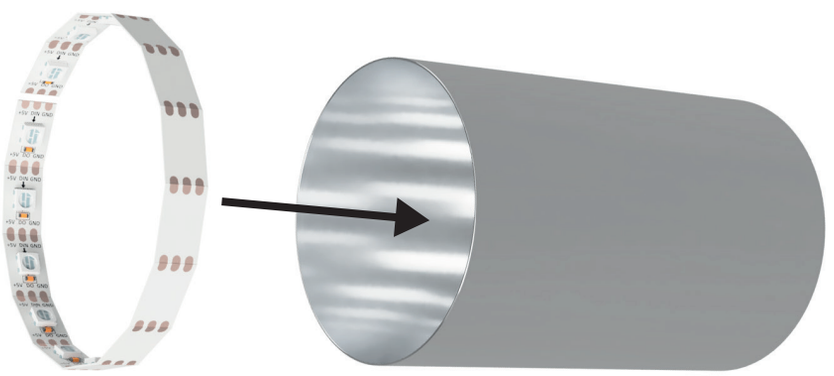
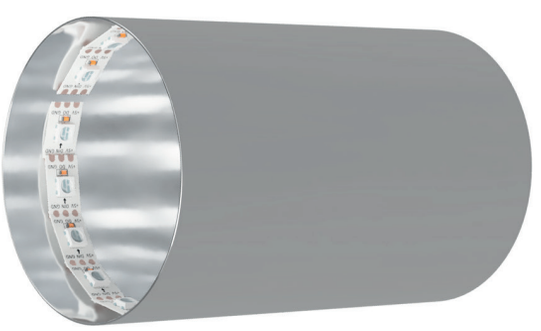
LED CAN







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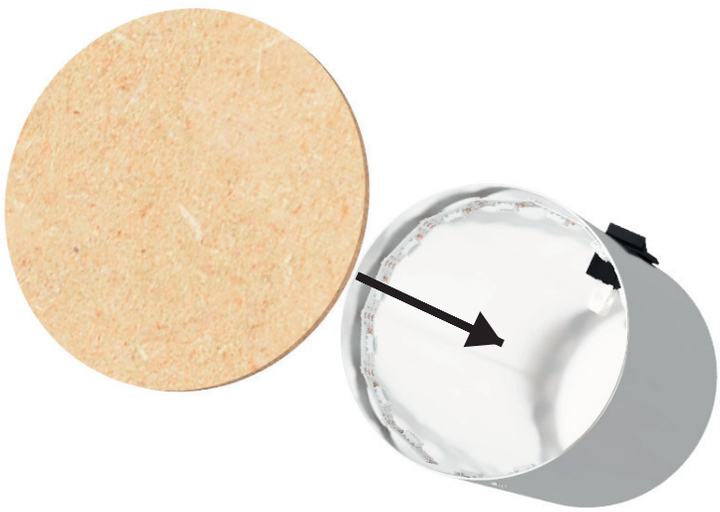
DISC



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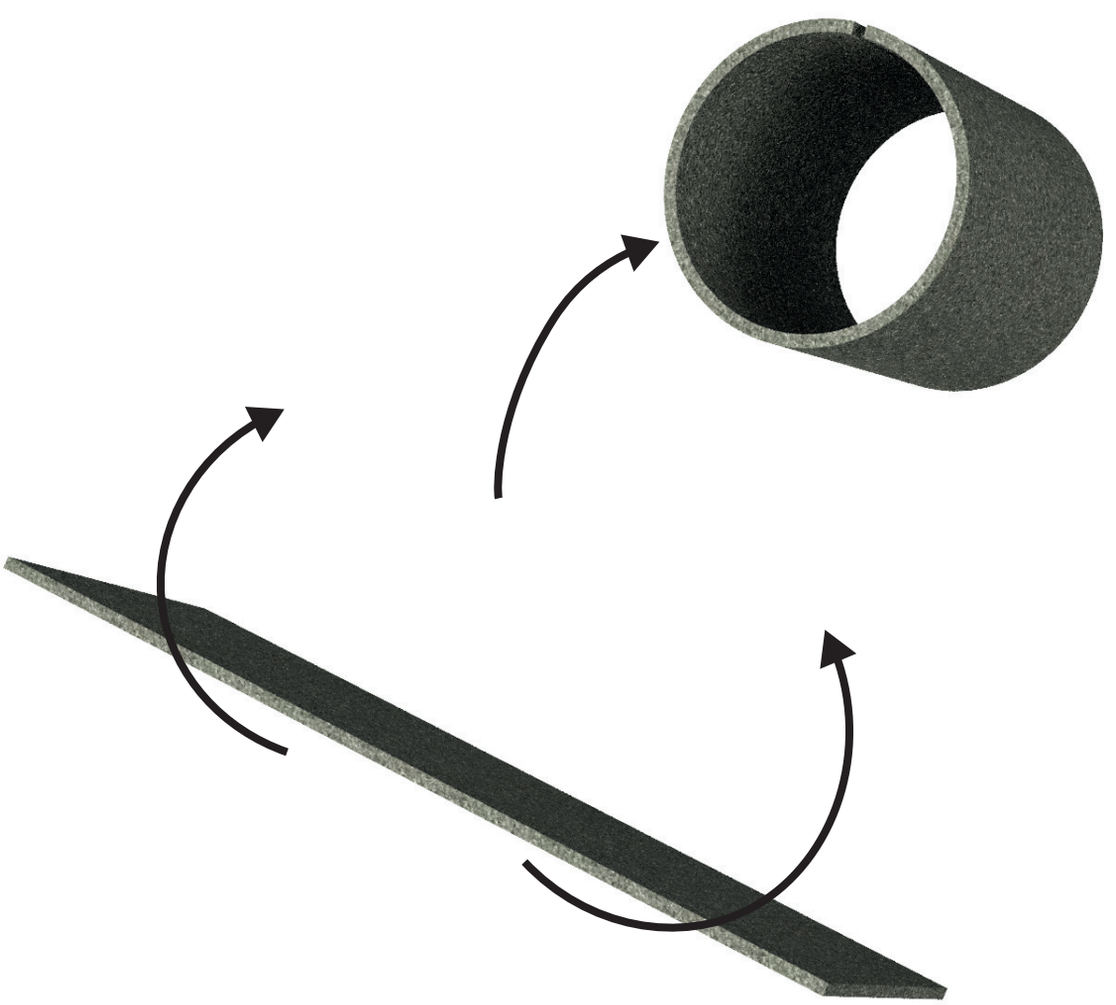
FOAM



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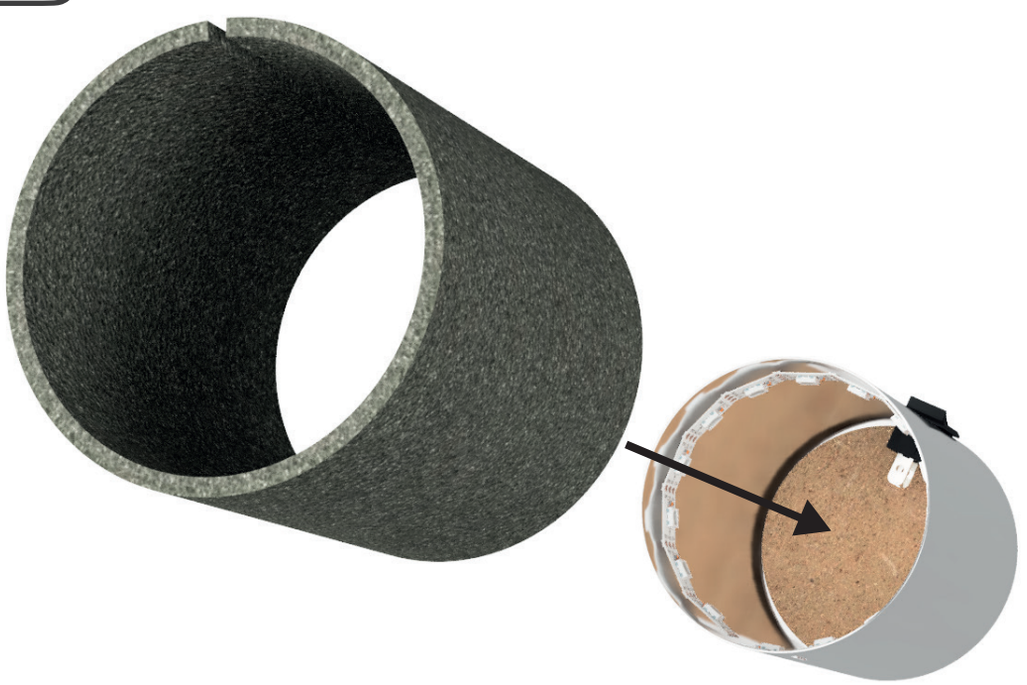
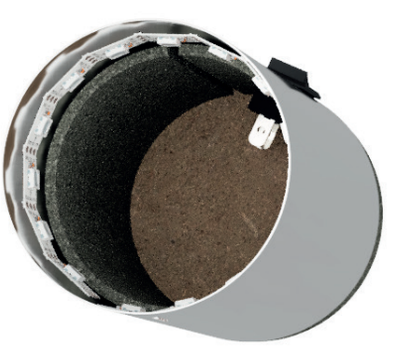
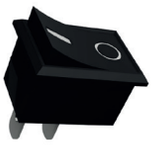




8

BATT
SW



!

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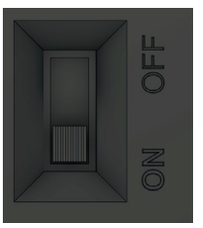

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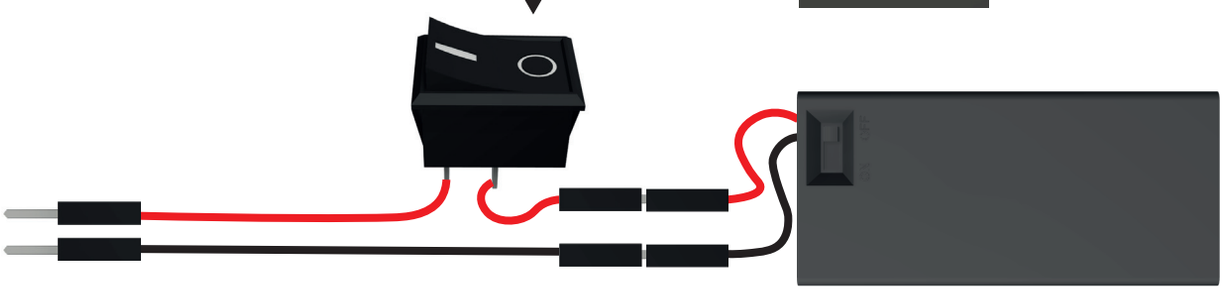
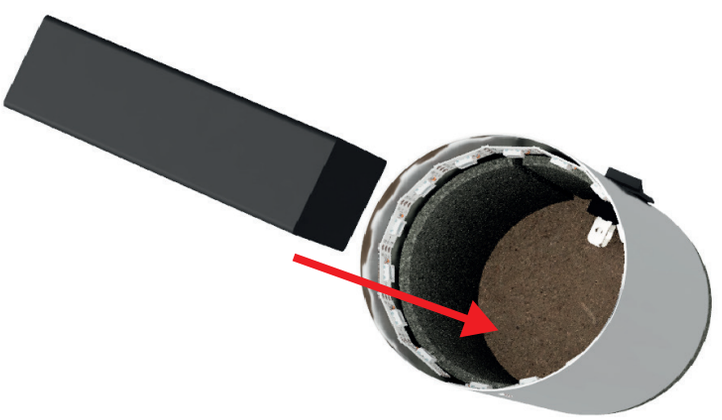
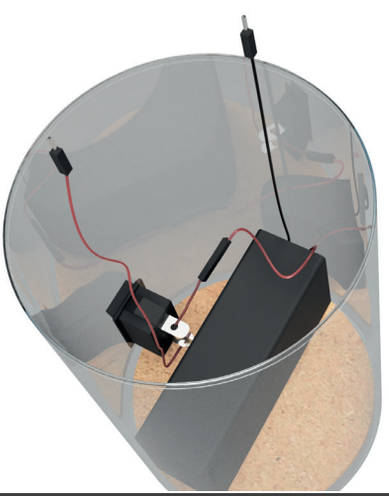
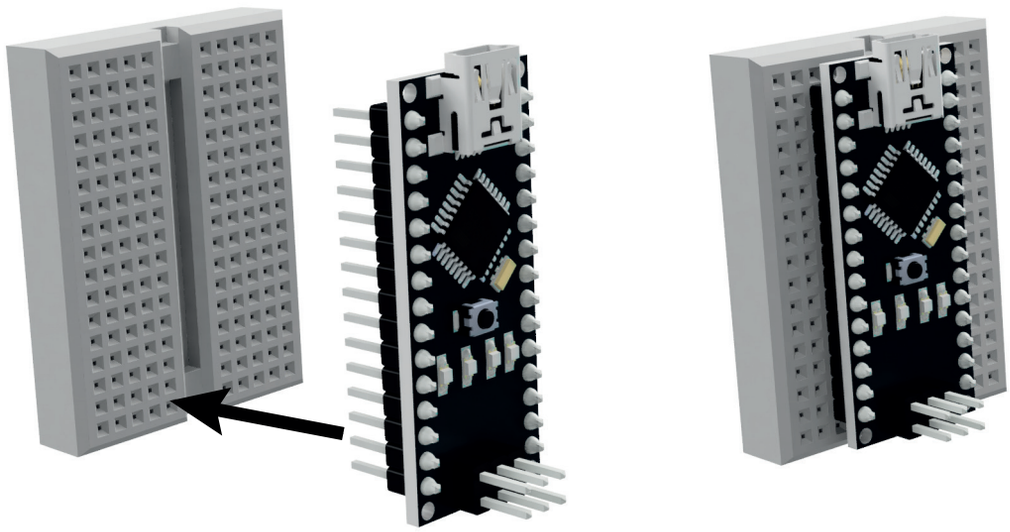


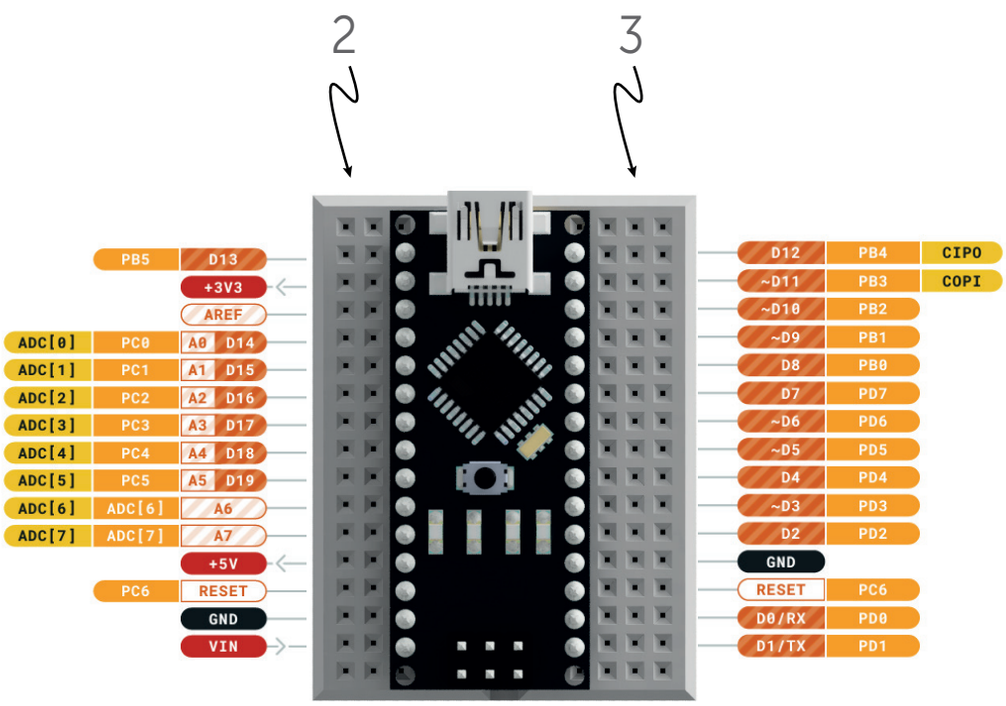




9

BRD Nano

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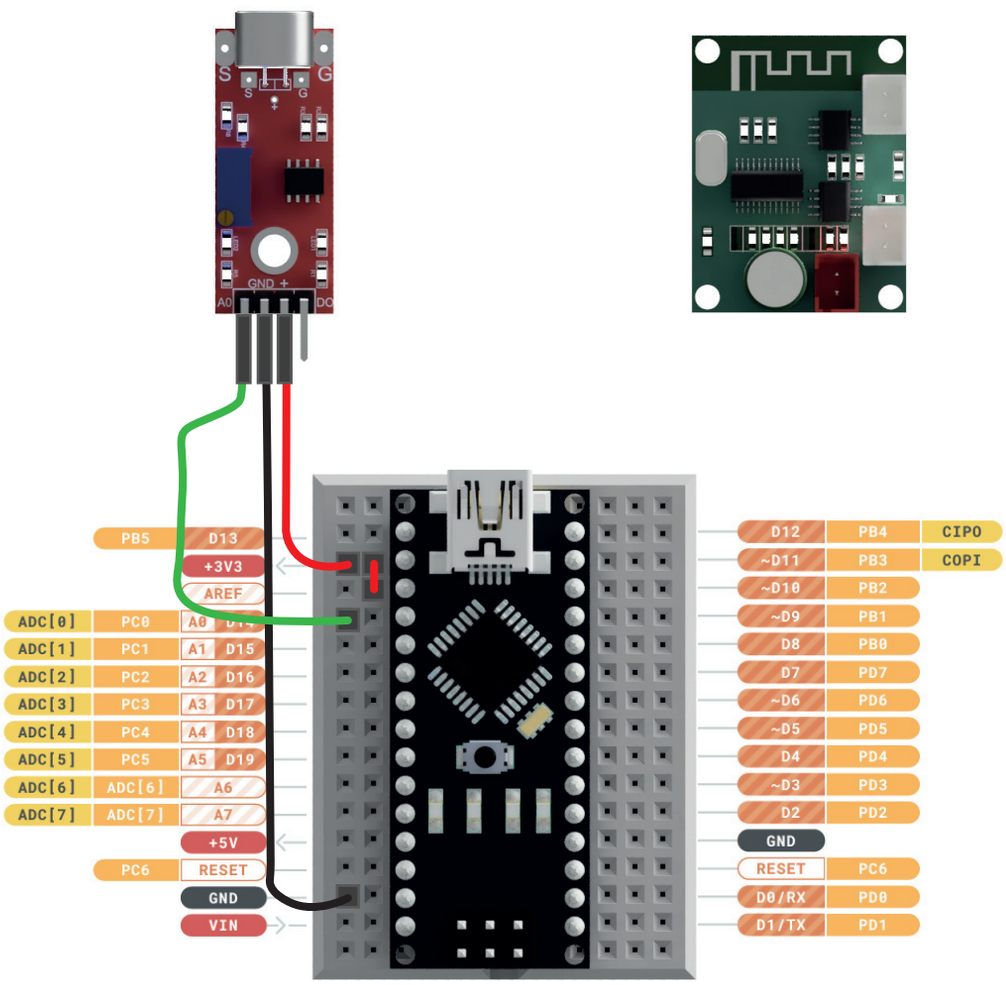
3
PB5 D13
+3V3
AREF
ADC[0] PC0 A0 D14
ADC[1] PC1 A1 D15
ADC[2] PC2 A2 D16
ADC[3] PC3 A3 D17
ADC[4] PC4 A4 D18
ADC[5] PC5 A5 D19
ADC[6] ADC[6] A6
ADC[7] ADC[7] A7
+5V
PC6 RESET
GND
VIN
D12 PB4 CIPO
~D11 PB3 COPI
~D10 PB2
~D9 PB1
D8 PB0
D7 PD7
~D6 PD6
~D5 PD5
D4 PD4
~D3 PD3
D2 PD2
GND
RESET PC6
D0/RX PD0
D1/TX PD1

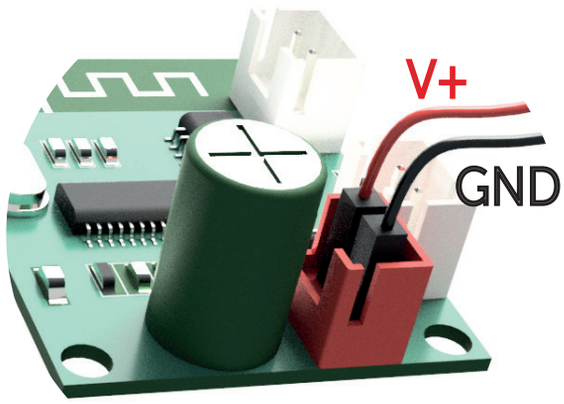
10

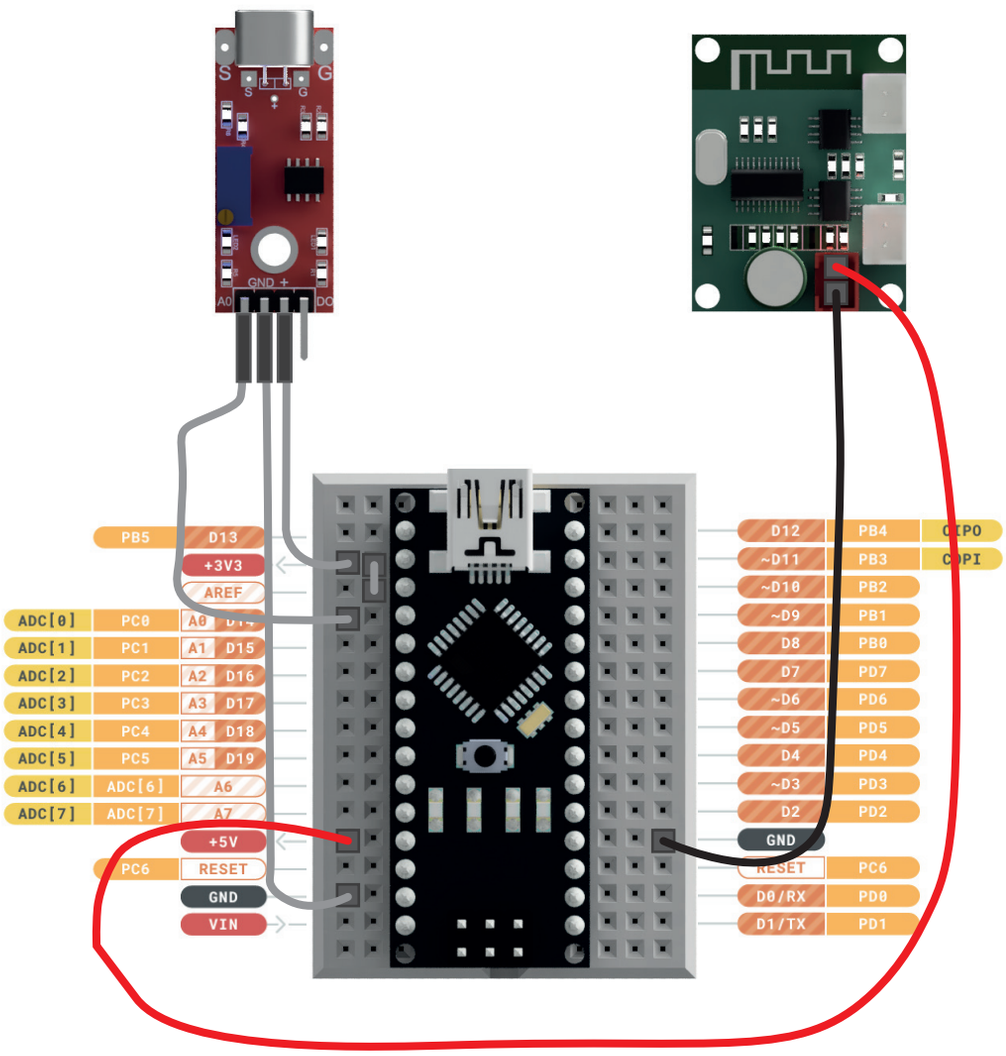
SC
Ky-037


S
G
GND +
A0
DO
PB5 D13
+3V3
AREF
ADC[0] PC0 A0
ADC[1] PC1 A1 D15
ADC[2] PC2 A2 D16
ADC[3] PC3 A3 D17
ADC[4] PC4 A4 D18
ADC[5] PC5 A5 D19
ADC[6] ADC[6] A6
ADC[7] ADC[7] A7
+5V
PC6 RESET
GND
VIN
D12 PB4 CIPO
~D11 PB3 COPI
~D10 PB2
~D9 PB1
D8 PB0
D7 PD7
~D6 PD6
~D5 PD5
D4 PD4
~D3 PD3
D2 PD2
GND
RESET PC6
D0/RX PD0
D1/TX PD1

11

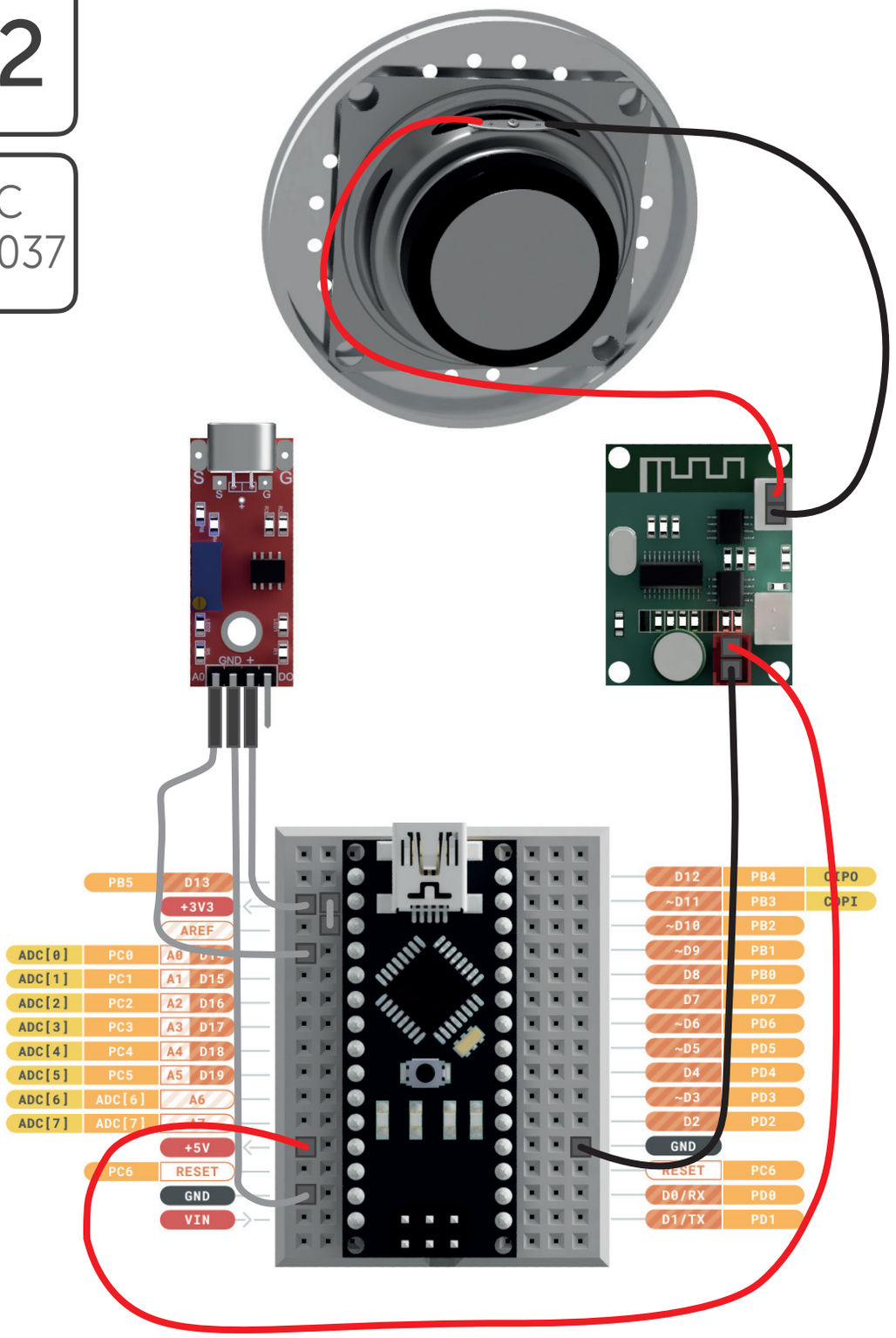
SC
Ky-037


V+
GND


S
G
GND +
A0
DO
PB5
D13
+3V3
AREF
ADC[0]
PC0
A0
ADC[1]
PC1
A1
D15
ADC[2]
PC2
A2
D16
ADC[3]
PC3
A3
D17
ADC[4]
PC4
A4
D18
ADC[5]
PC5
A5
D19
ADC[6]
ADC[6]
A6
ADC[7]
ADC[7]
A7
+5V
PC6
RESET
GND
VIN
D12
PB4
~D11
PB3
~D10
PB2
~D9
PB1
D8
PB0
D7
PD7
~D6
PD6
~D5
PD5
D4
PD4
~D3
PD3
D2
PD2
GND
RESET
PC6
D0/RX
PD0
D1/TX
PD1

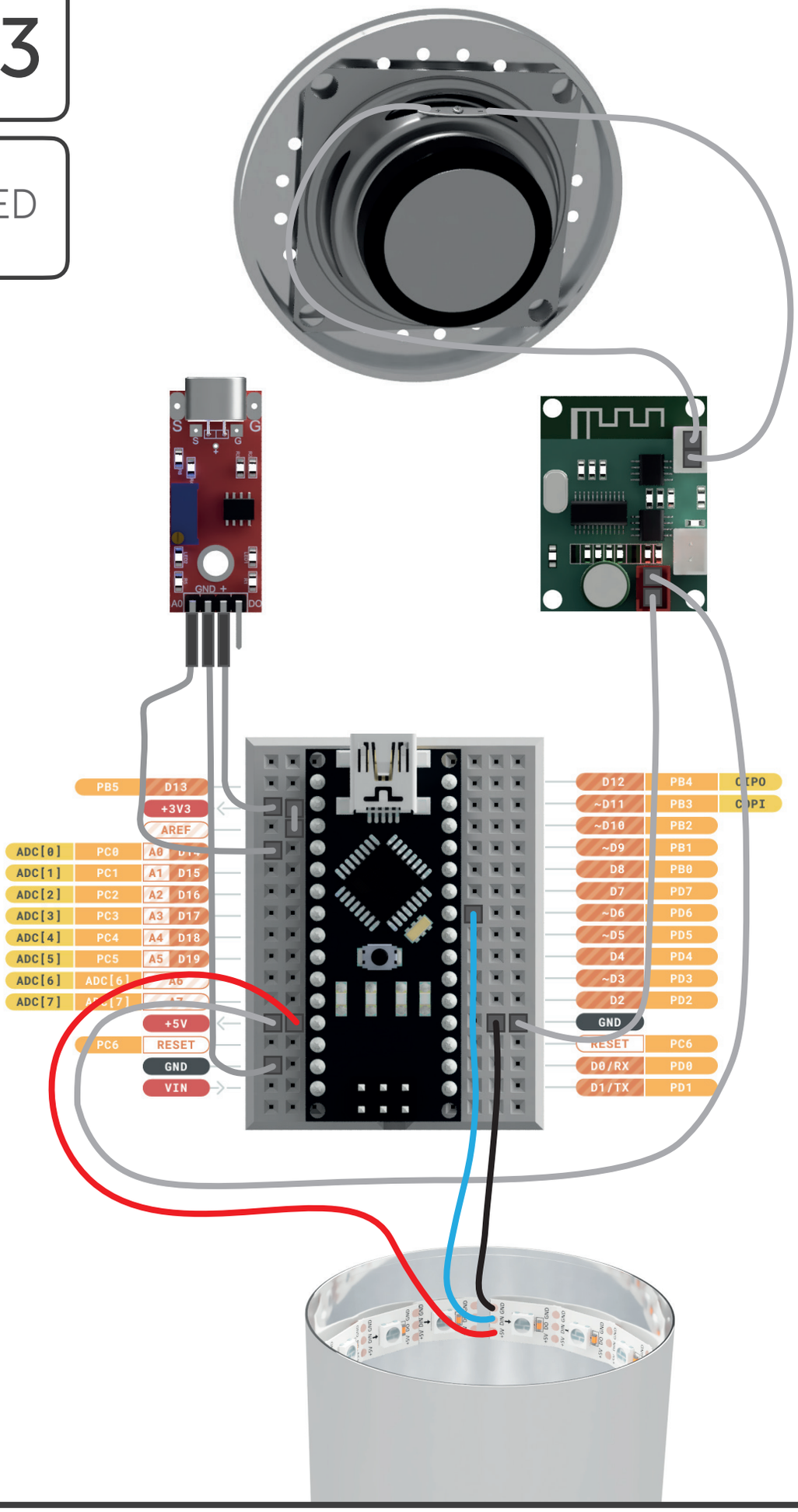
12

SC
Ky-037


S
G
GND +
A0
DO
PB5 D13
+3V3
AREF
ADC[0] PC0 A0
ADC[1] PC1 A1 D15
ADC[2] PC2 A2 D16
ADC[3] PC3 A3 D17
ADC[4] PC4 A4 D18
ADC[5] PC5 A5 D19
ADC[6] ADC[6] A6
ADC[7] ADC[7]
+5V
PC6 RESET
GND
VIN
D12 PB4
~D11 PB3
~D10 PB2
~D9 PB1
D8 PB0
D7 PD7
~D6 PD6
~D5 PD5
D4 PD4
~D3 PD3
D2 PD2
GND
RESET PC6
D0/RX PD0
D1/TX PD1

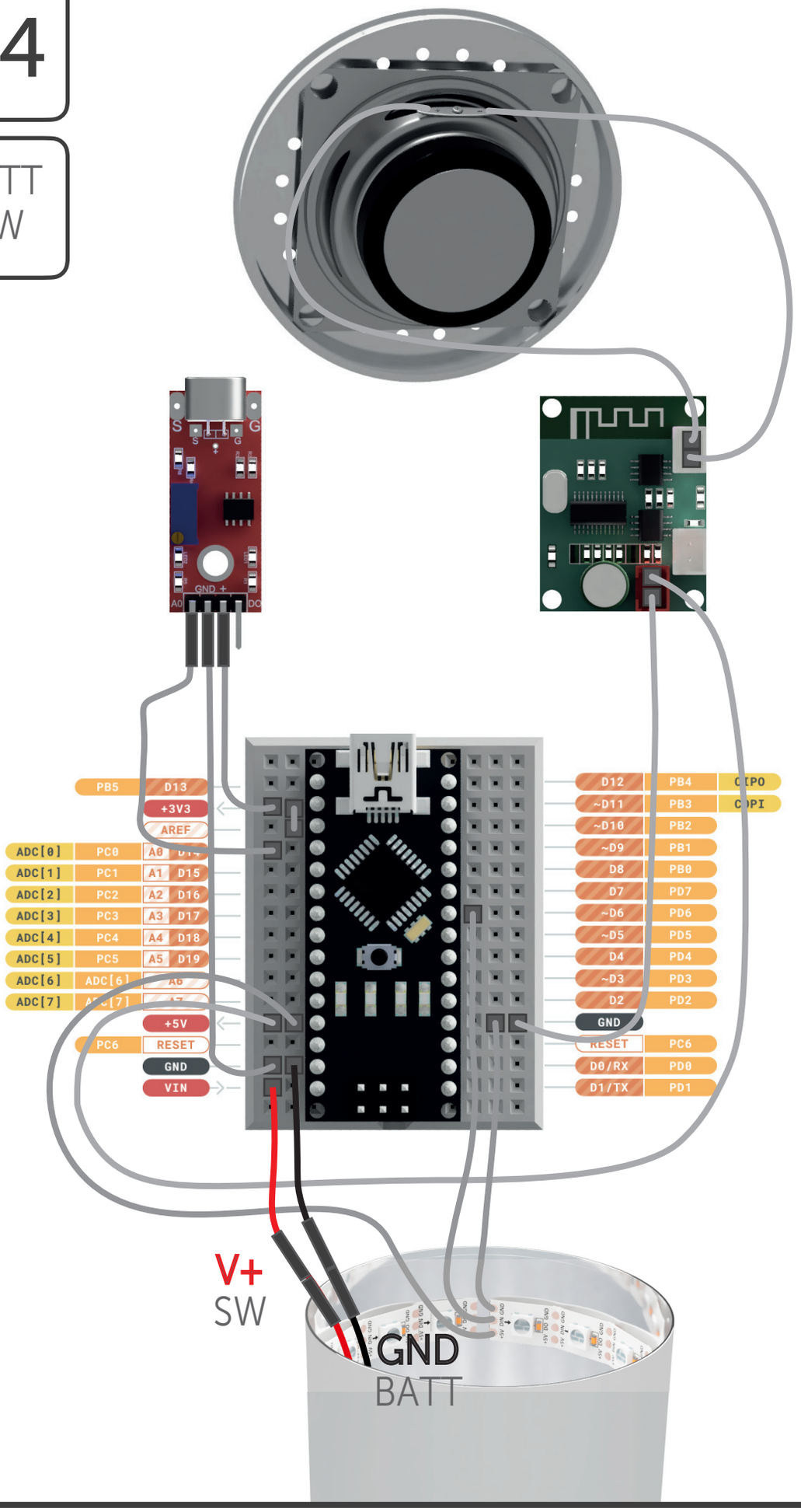
13

LED


PB5
D13
+3V3
AREF
ADC[0]
PC0
A0
ADC[1]
PC1
A1
D15
ADC[2]
PC2
A2
D16
ADC[3]
PC3
A3
D17
ADC[4]
PC4
A4
D18
ADC[5]
PC5
A5
D19
ADC[6]
ADC[6]
A6
ADC[7]
+5V
PC6
RESET
GND
VIN
D12
PB4
~D11
PB3
~D10
PB2
~D9
PB1
D8
PB0
D7
PD7
~D6
PD6
~D5
PD5
D4
PD4
~D3
PD3
D2
PD2
GND
RESET
PC6
D0/RX
PD0
D1/TX
PD1

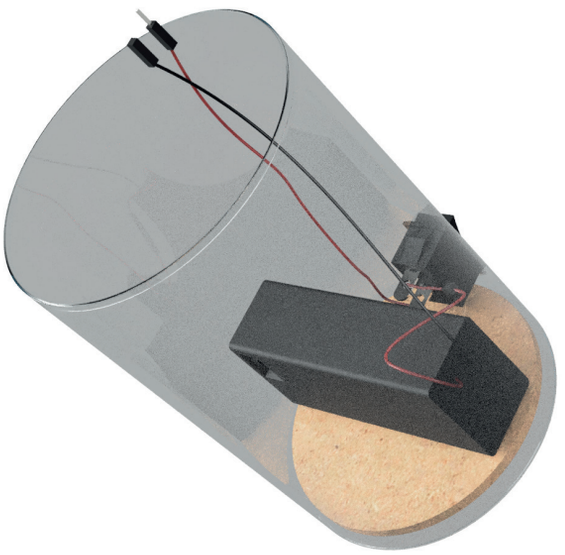
14

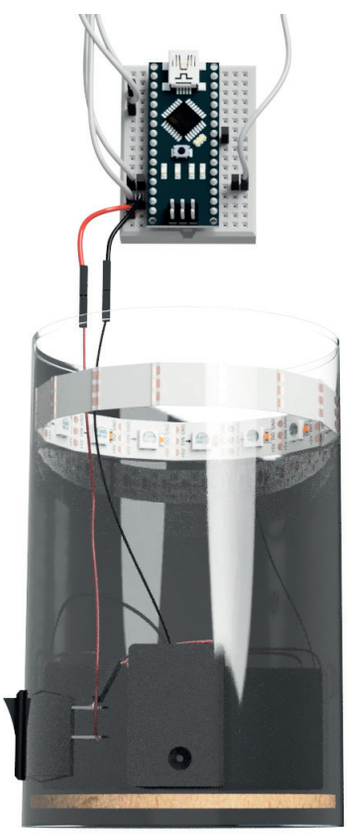
BATT
SW

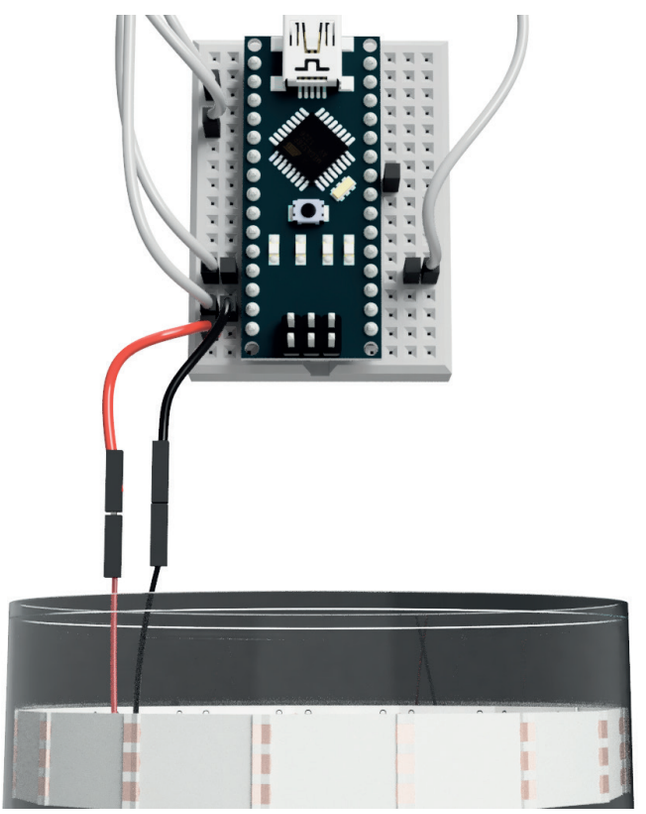

PB5 D13
+3V3
AREF
ADC[0] PC0 A0
ADC[1] PC1 A1 D15
ADC[2] PC2 A2 D16
ADC[3] PC3 A3 D17
ADC[4] PC4 A4 D18
ADC[5] PC5 A5 D19
ADC[6] ADC[6] A6
ADC[7]
+5V
PC6 RESET
GND
VIN
D12 PB4
~D11 PB3
~D10 PB2
~D9 PB1
D8 PB0
D7 PD7
~D6 PD6
~D5 PD5
D4 PD4
~D3 PD3
D2 PD2
GND
RESET PC6
D0/RX PD0
D1/TX PD1
V+
SW
GND
BATT

15

BATT
SW







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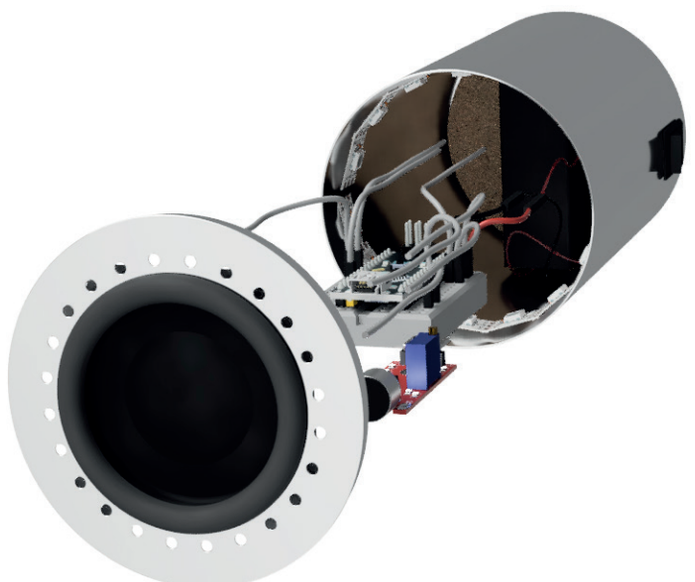

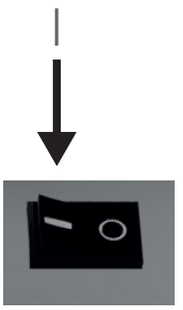

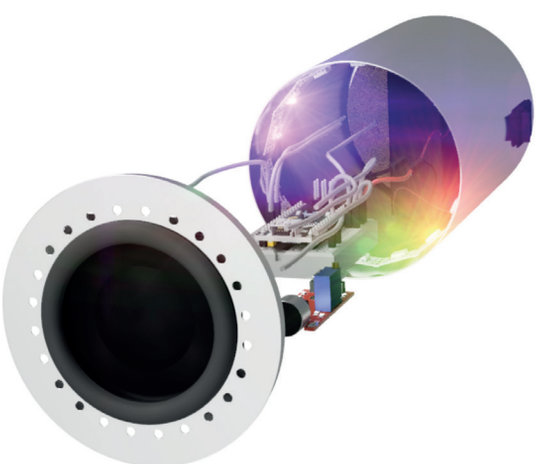

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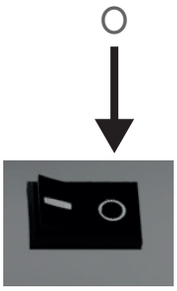
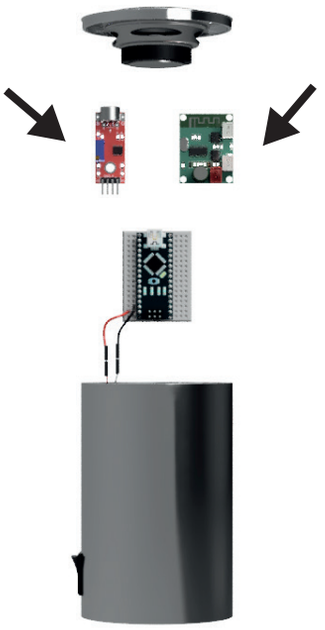
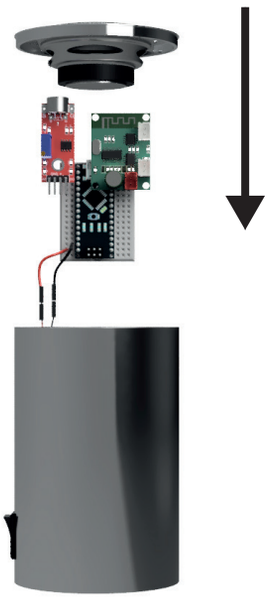
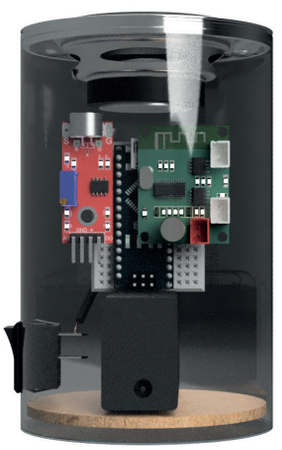
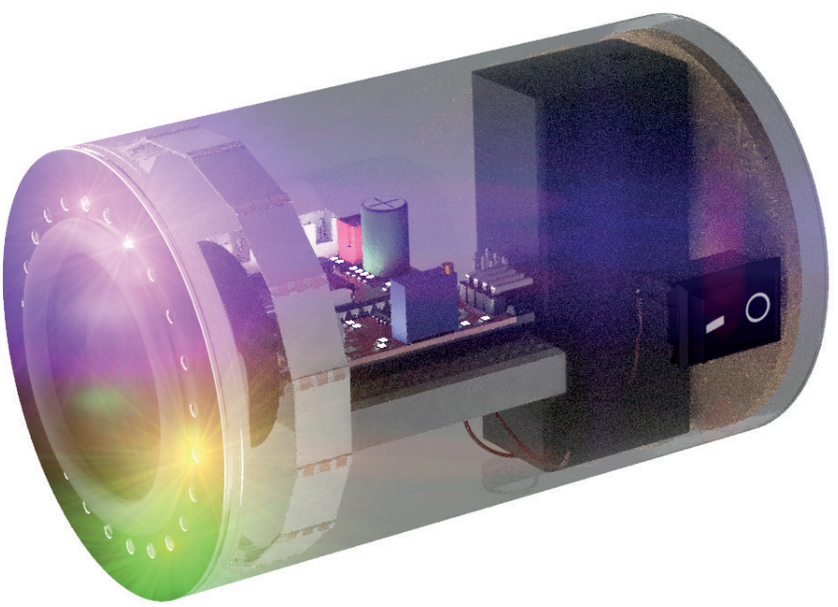
17











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