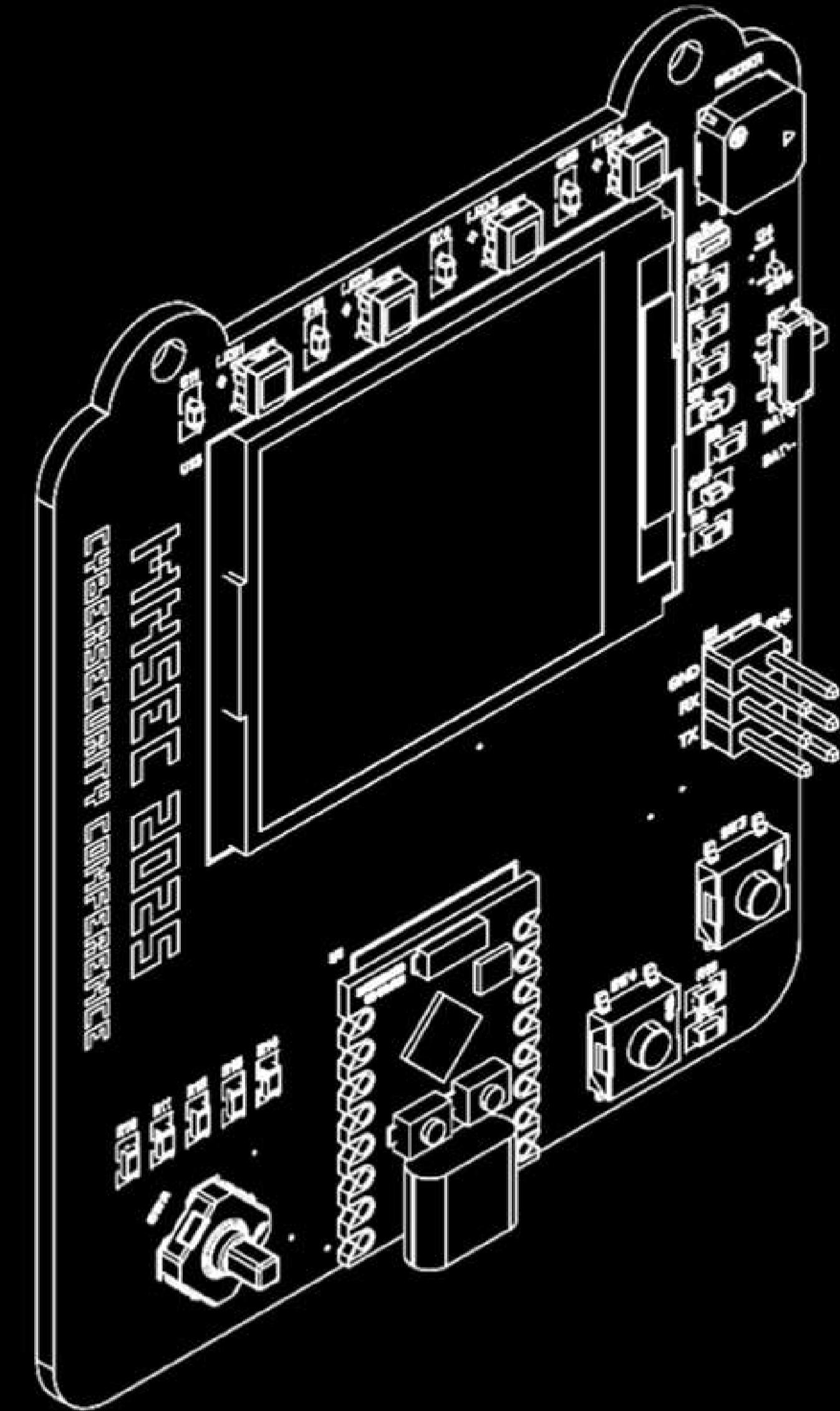
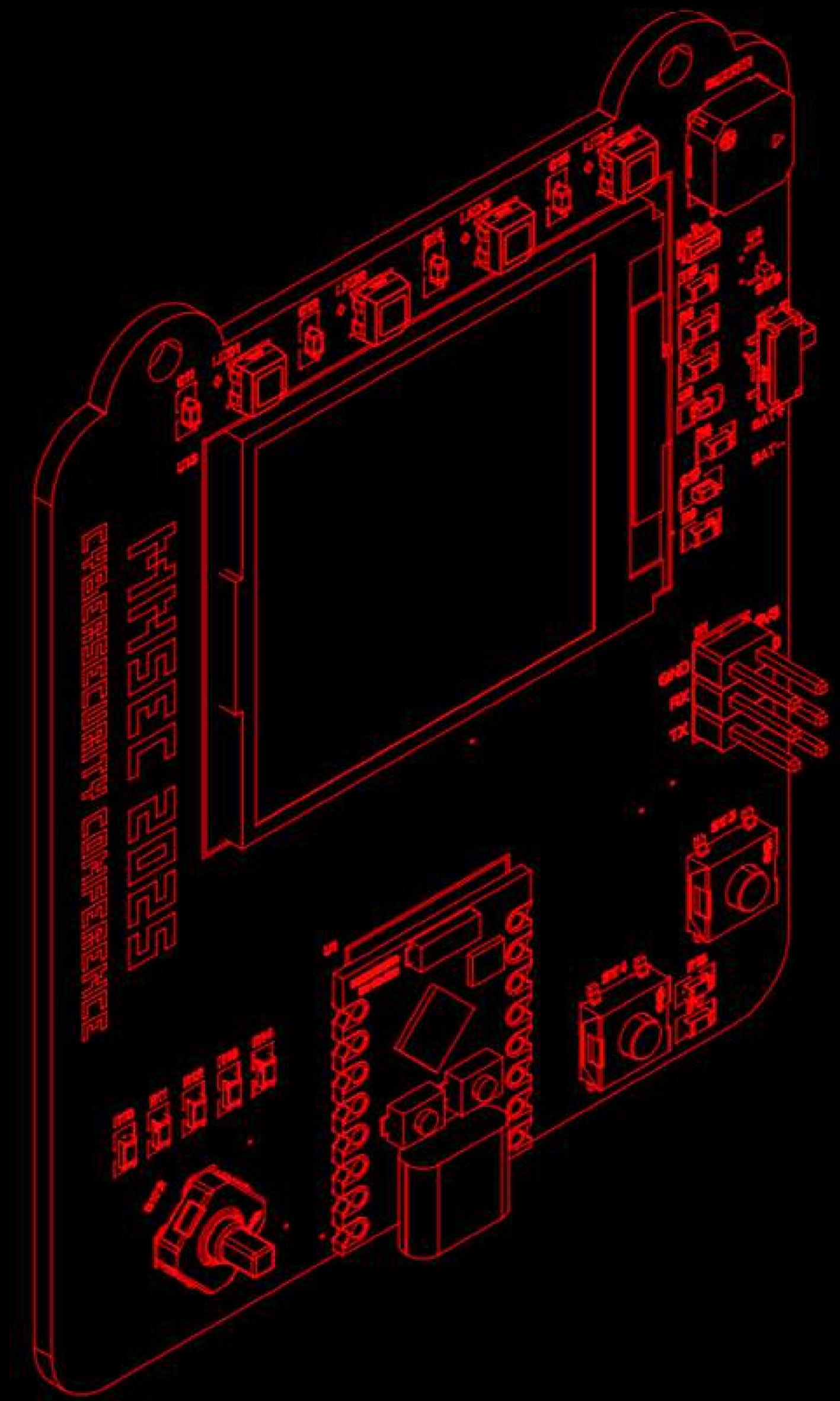
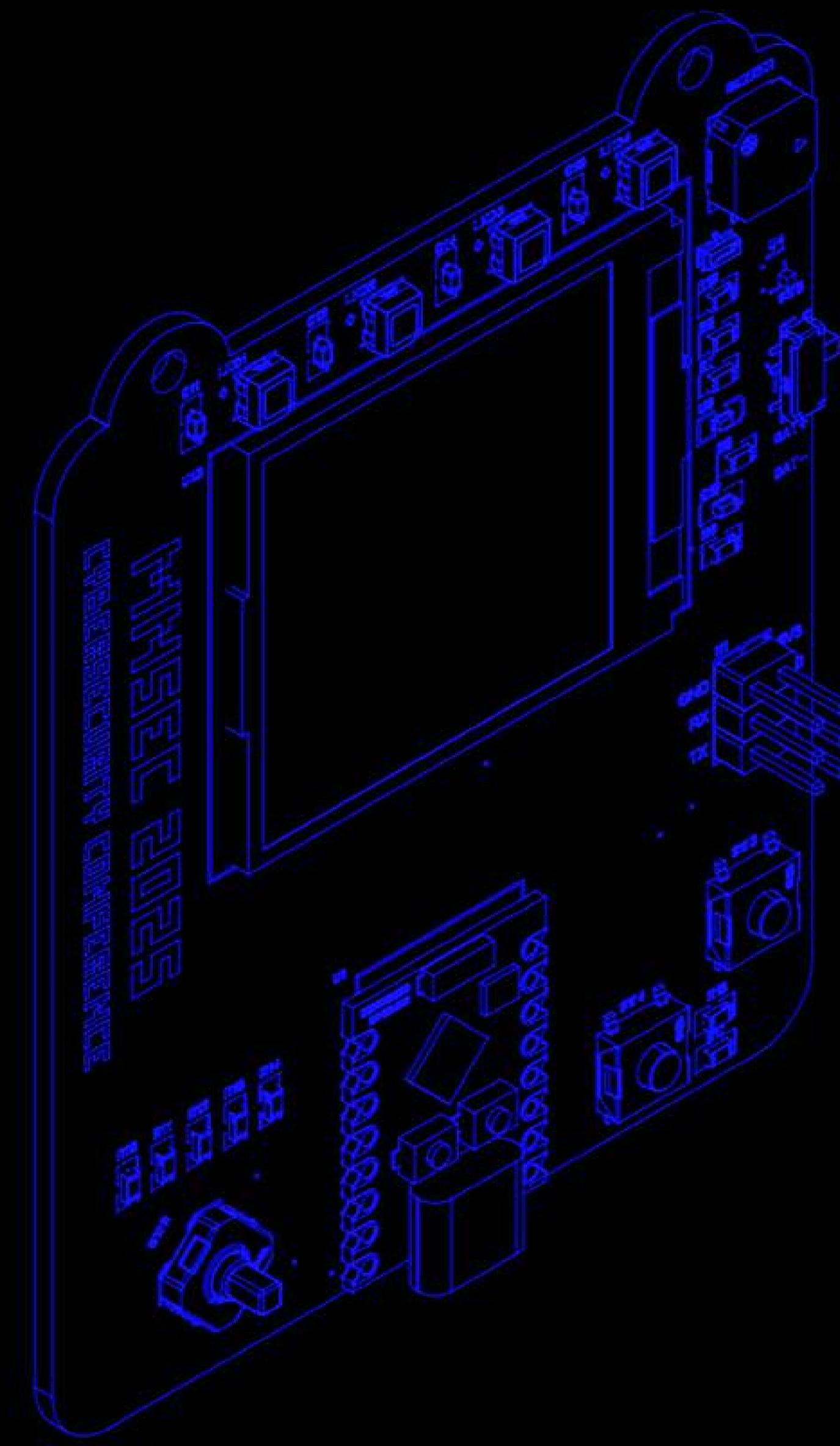


# MNSEC Event Badge User Guide

2025

Name	Signature	Date	COMPANY  beelog	Title: "MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	A4
Drawn					
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1:1

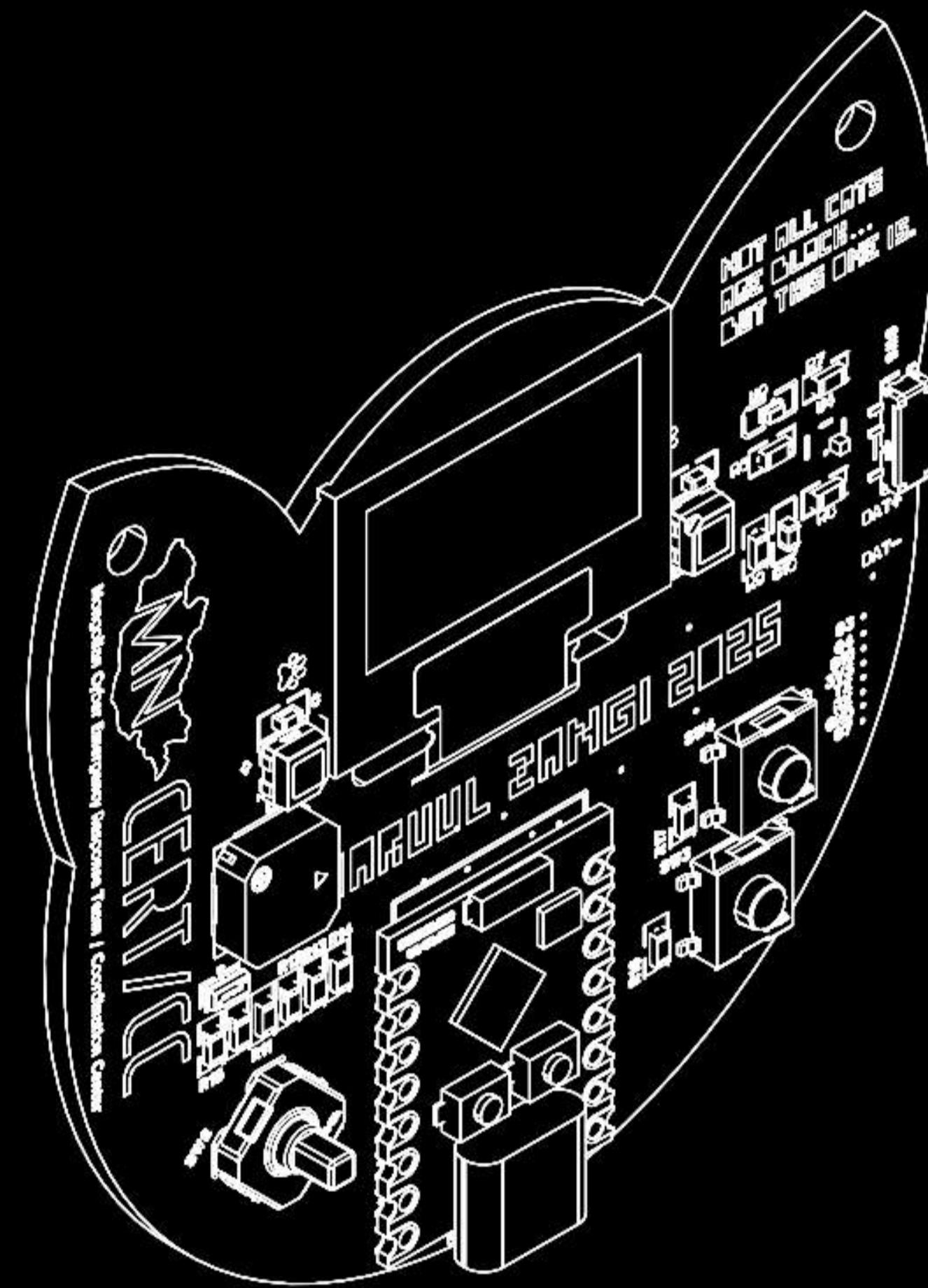


**Мэргэн**  
Mergen

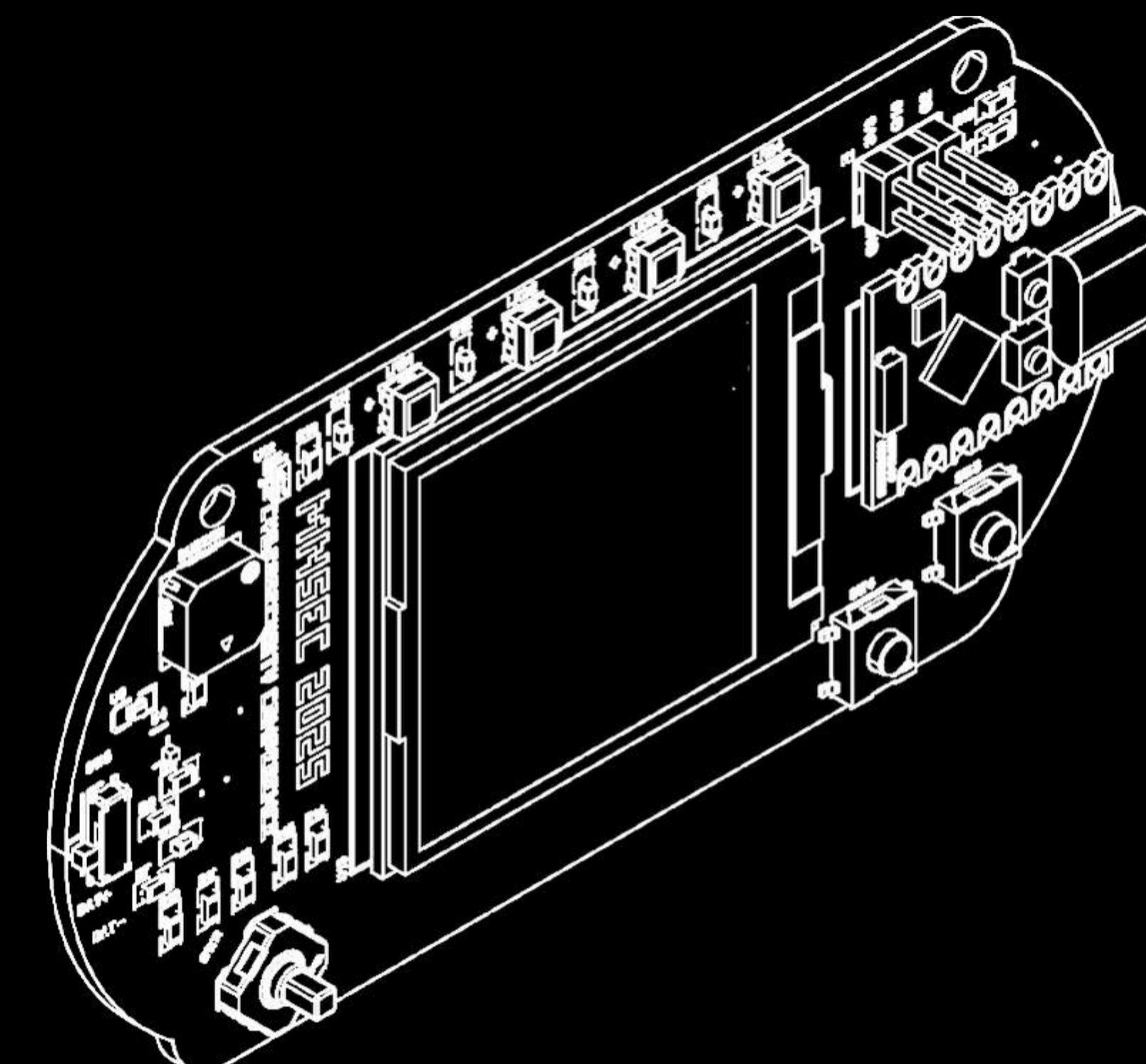
**ДЭМЖИГЧ**  
Sponsor

**Албат**  
Event organizer

Name	Signature	Date	COMPANY	Title:	Developed by Beelog Tech LLC	A4
Drawn						
CHK.D						
APPV.D				Weight:70gr-100gr	Scale 10:1	Sheet 1.1



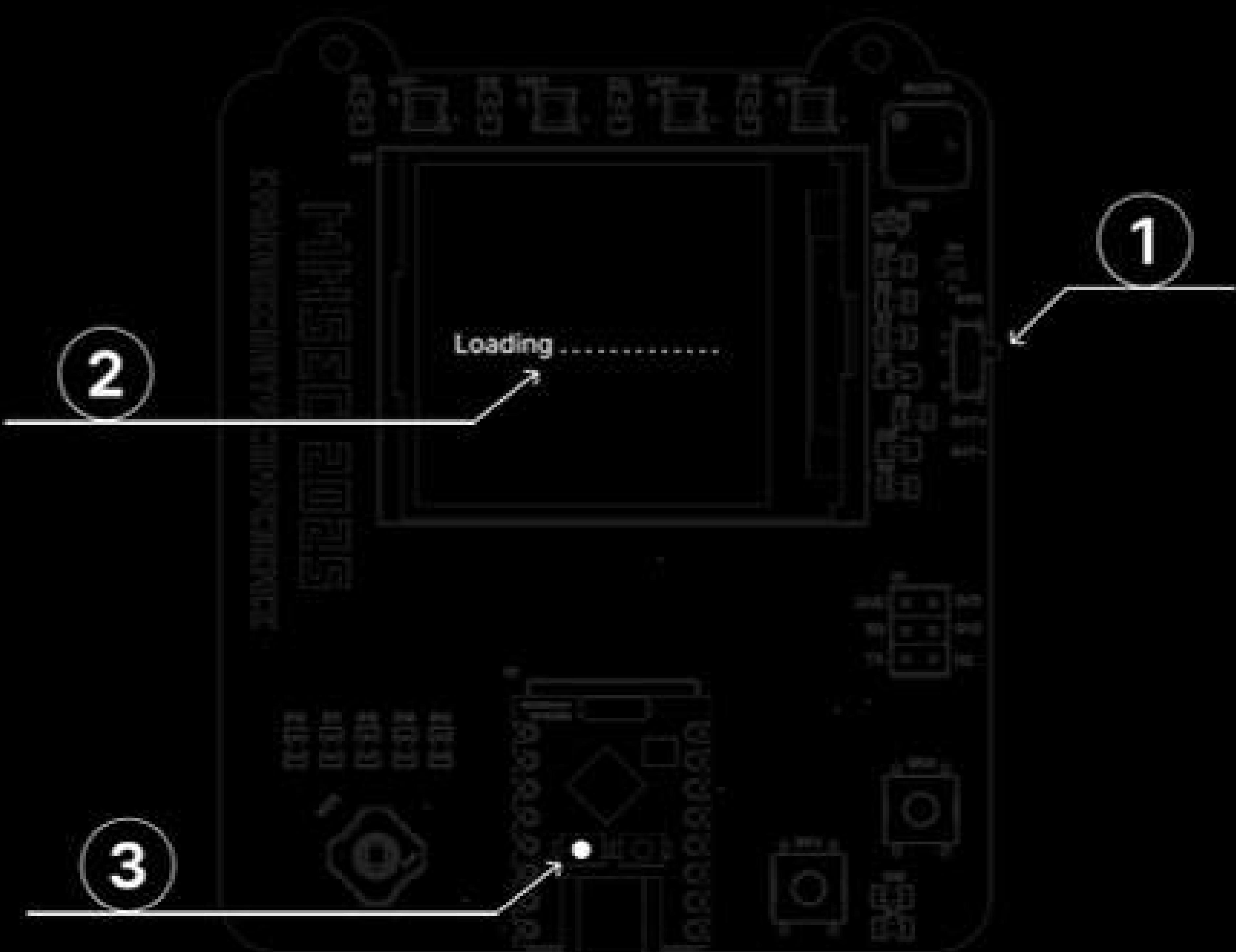
**Занги**  
Zangi



**Хүмүн**  
Khumun

Name	Signature	Date	COMPANY	Title:	Developed by Beelog Tech LLC"	A4
Drawn						
CHK.D						
APPV.D				Weight:70gr-100gr	Scale 10:1	Sheet 1.1

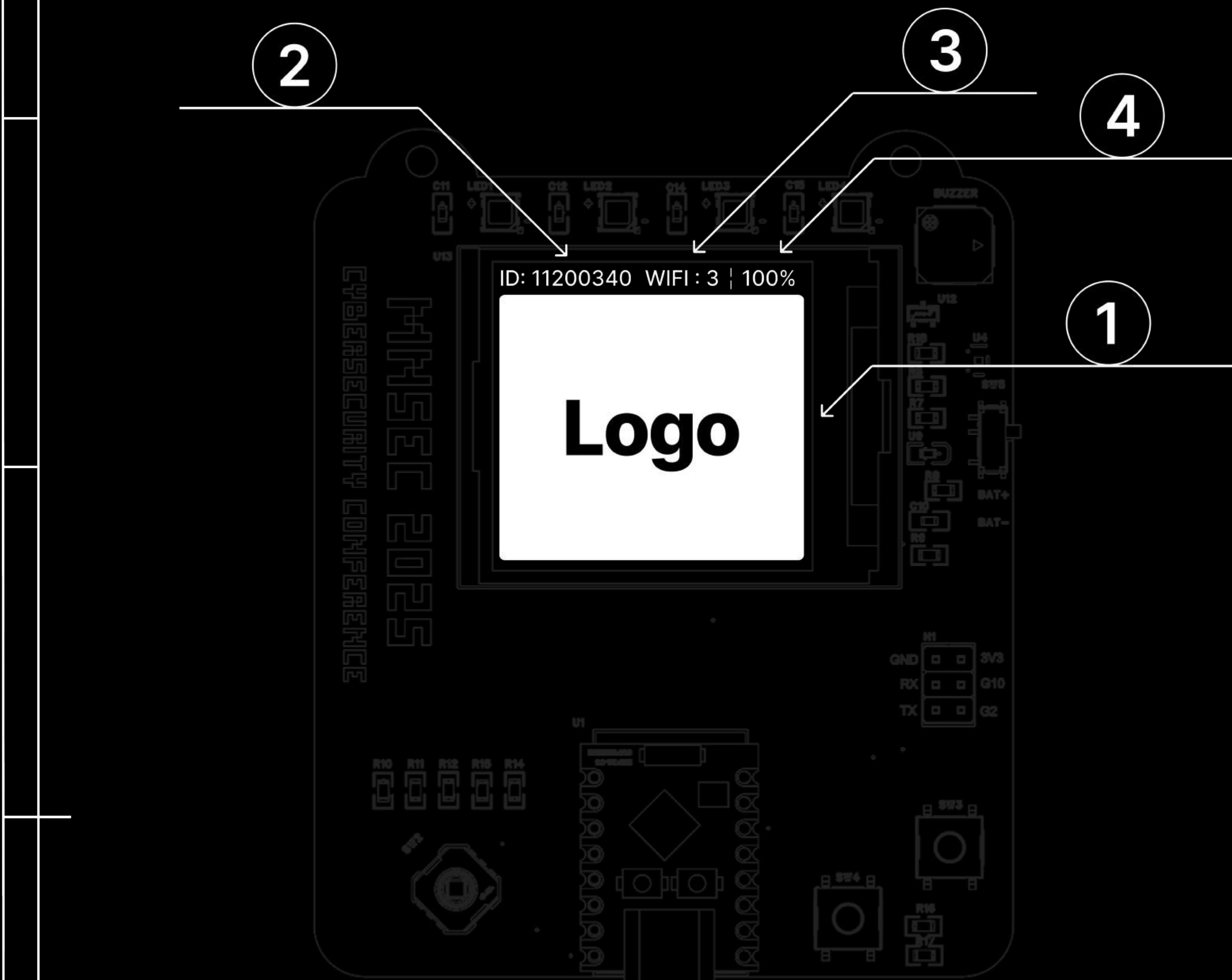
# Start



- ① **ON/OFF Switch:** When you slide the power switch, the badge will turn on and the display will light up.
- ② **Loading .... :** When you turn on the badge, the word "Loading" will appear on the display. During the next 7 seconds, the badge checks its Wi-Fi connection. After this process, it will continue automatically regardless of the result."
- ③ **RESET:** If necessary, the ESP32 can be reset to reload the code.

Name	Signature	Date	Comments	beelog	Date	MNSEC Event Badge - Designed and Developed by Beelog Tech LLC	A4
Owner							
Chair							
Approver				https://log.beelog.com			

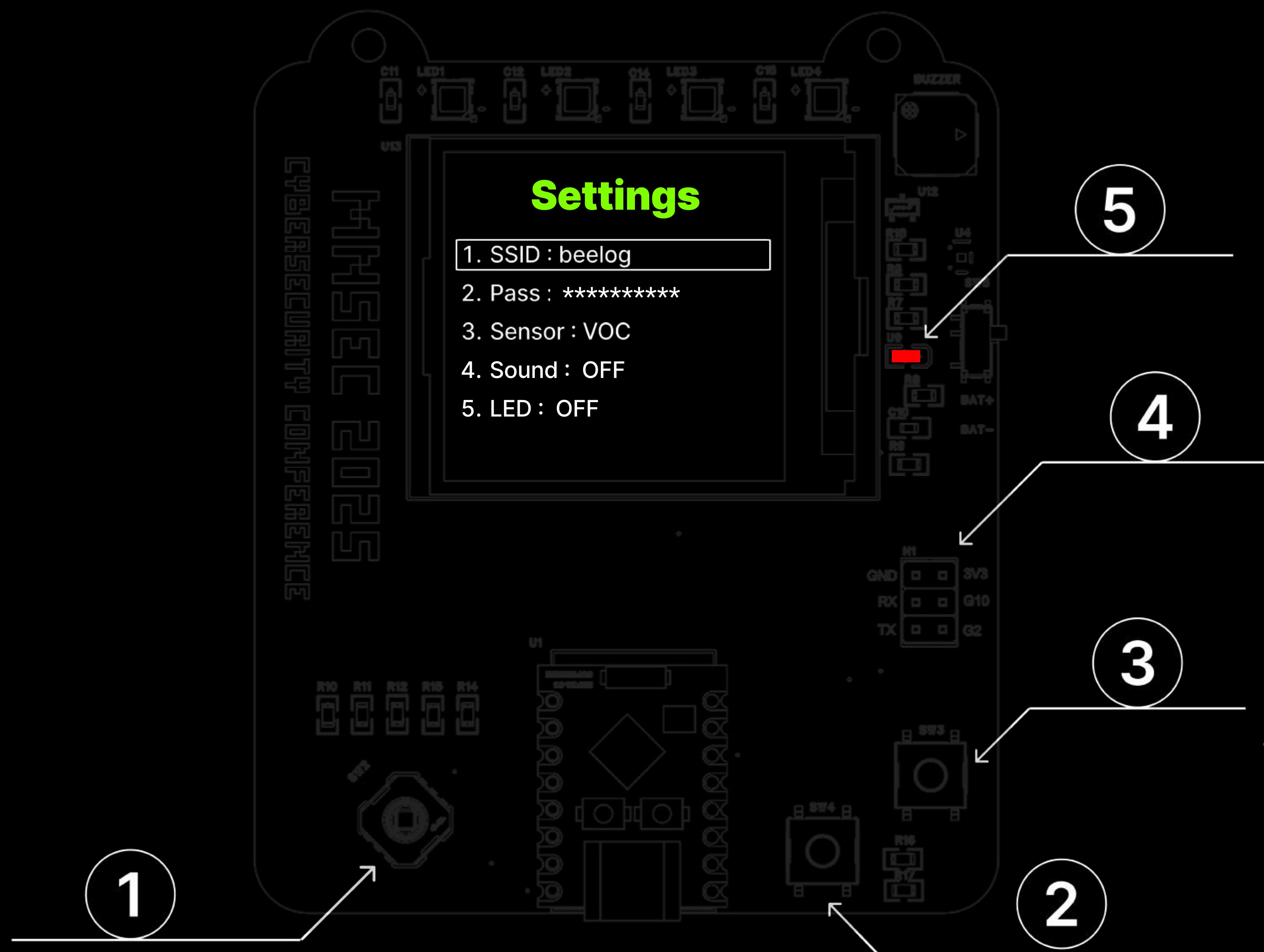
# Interface



- 1 Display :** After the device is powered on, the display will show changing images, indicating that the startup process is normal. At the top of the screen, a status bar appears showing the device's Wi-Fi status, battery percentage, and device ID
- 2 Device ID :** The device ID code can be used to create a name card and also when changing the Wi-Fi password.
- 3 WIFI Status :** 255 = WL\_NO\_SHIELD // for compatibility with WiFi Shield library
- |                              |                               |
|------------------------------|-------------------------------|
| <b>0 = WL_IDLE_STATUS</b>    | <b>4 = WL_CONNECT_FAILED</b>  |
| <b>1 = WL_NO_SSID_AVAIL</b>  | <b>5 = WL_CONNECTION_LOST</b> |
| <b>2 = WL_SCAN_COMPLETED</b> | <b>6 = WL_DISCONNECTED</b>    |
| <b>3 = WL_CONNECTED</b>      |                               |
- 4 Battery :** The battery section shows the remaining charge as a percentage

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1/1

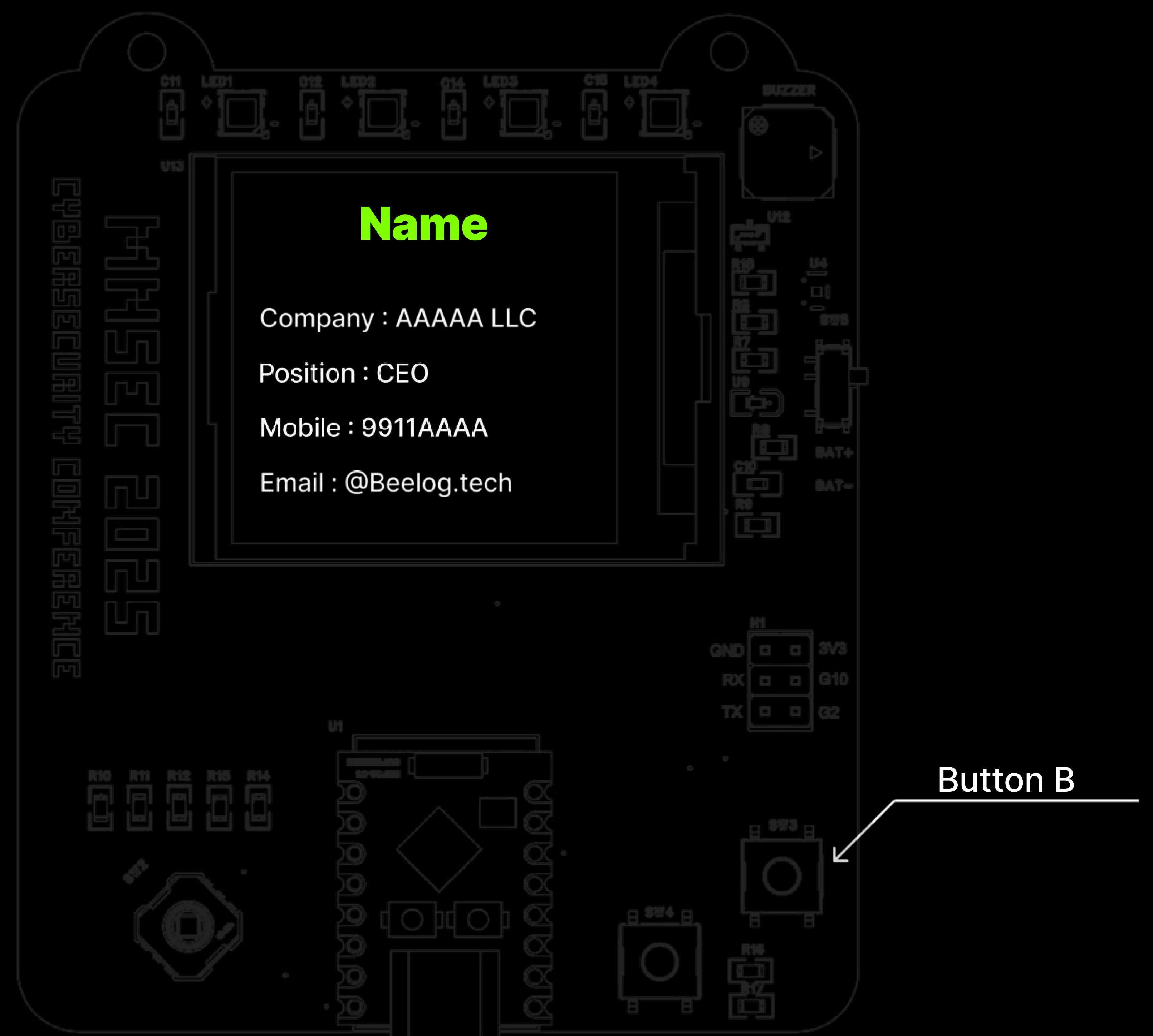
# Enter the Settings menu



- ① **JoyStick :** The joystick helps you navigate and make selections in the game settings.  
**Press the center button of the joystick to enter the Settings menu**
- ② **Button B :** Button B can be used as a 'Yes' or 'Back' button in certain situations
- ③ **Button A :** Button A can be used as a 'Yes' or 'Back' button in certain situations
- ④ **Module connector :** The module connector is used to connect the Alcohol Sensor, Intake Air Quality Sensor, and Microne Module
- ⑤ **Battery charge :** "The red light labeled U9 turns on while the battery is charging. It will turn off once the charging is complete"

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1/1

# To create a Name Card

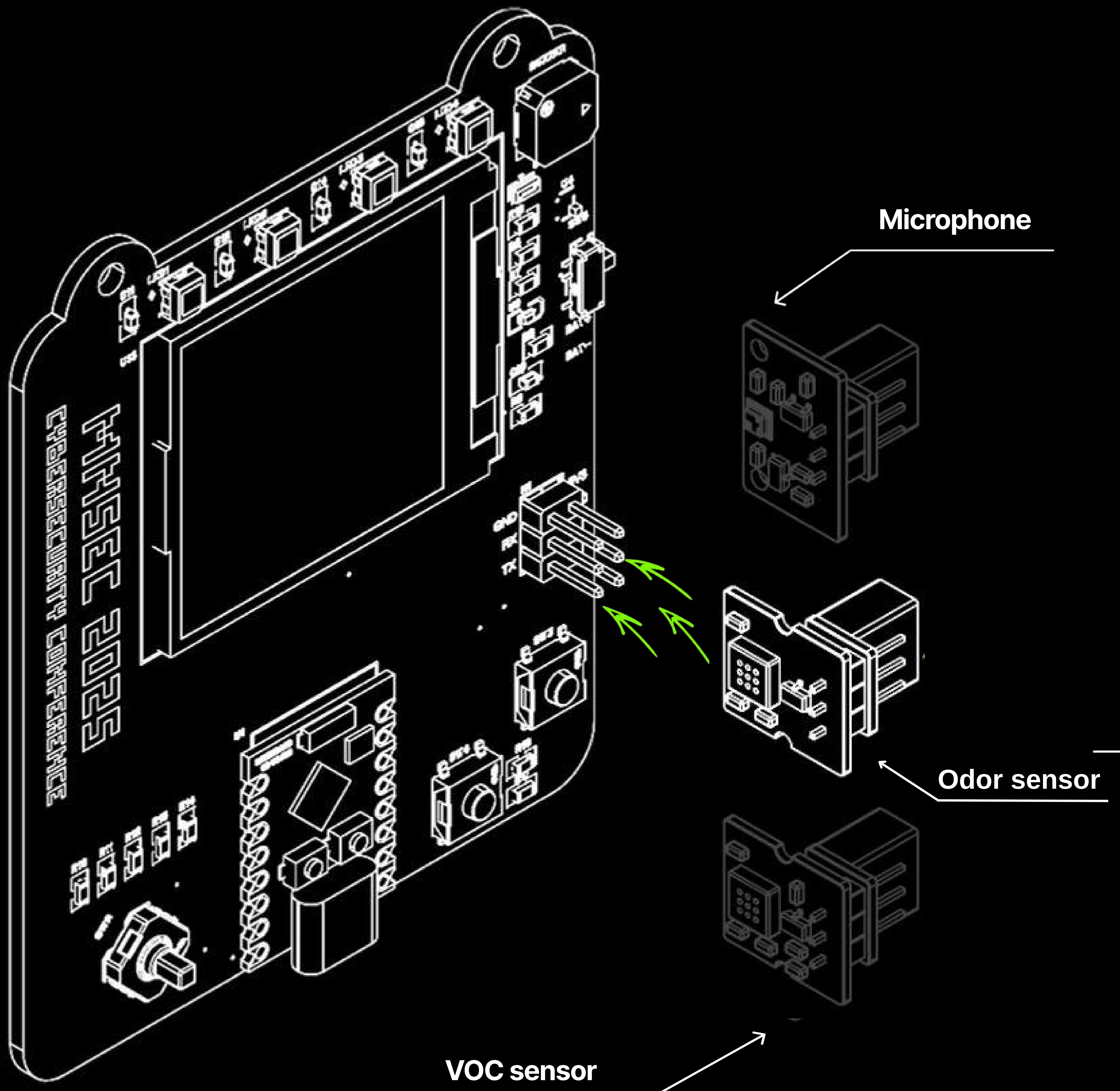


Access the web interface and fill in the required fields. In the Name field, enter your full name or nickname. In the Company field, enter your company name, and in the Position field, enter your job title. Also, provide your phone number. After saving the information, press Button B to display the Name Card on the badge screen

**The Name Card function will work even if the sensor is turned off in the Settings menu**

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APP.V.D			Weight:70gr-100gr	Scale 10:1	Sheet 1/1

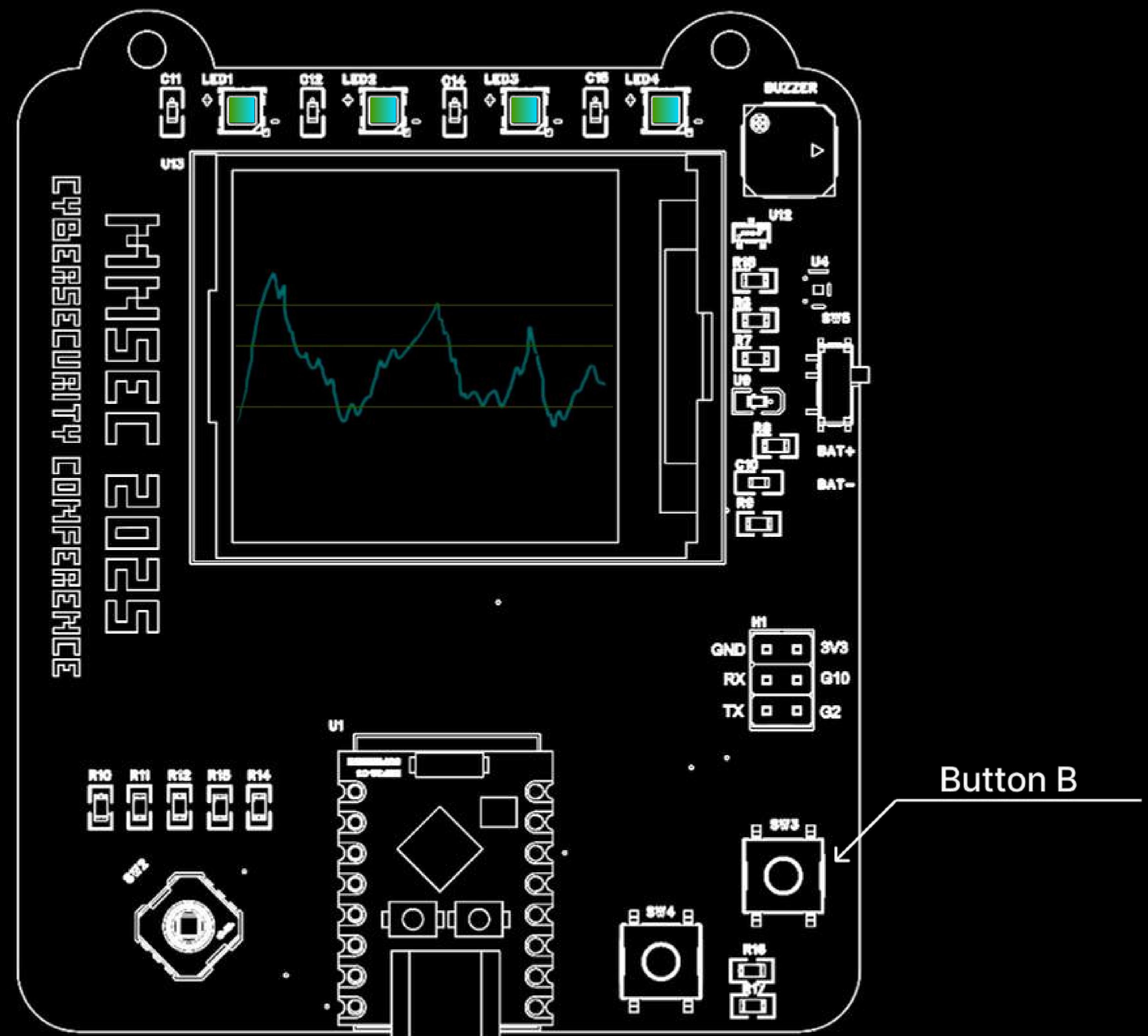
# How to use module ?



When using additional modules, connect them to the module connector as shown in the diagram. Sensor configurations can be adjusted through the Settings menu as follows: the Odor Sensor is connected via the Alcohol Sensor port, the VOC Sensor via the Air Quality Sensor port, and the MIC via its designated port.

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APPV.D		Weight:70gr-100gr		Scale 10:1	Sheet 1:1

# How to connect microphone?



In the Settings menu, adjust the Sensor section according to the sensor you want to use. When you return to the main screen and press and hold Button B, the display will switch from the Name Card to the Sensor screen. At this point, the indicator lights will flash in sync with the sound rhythm.

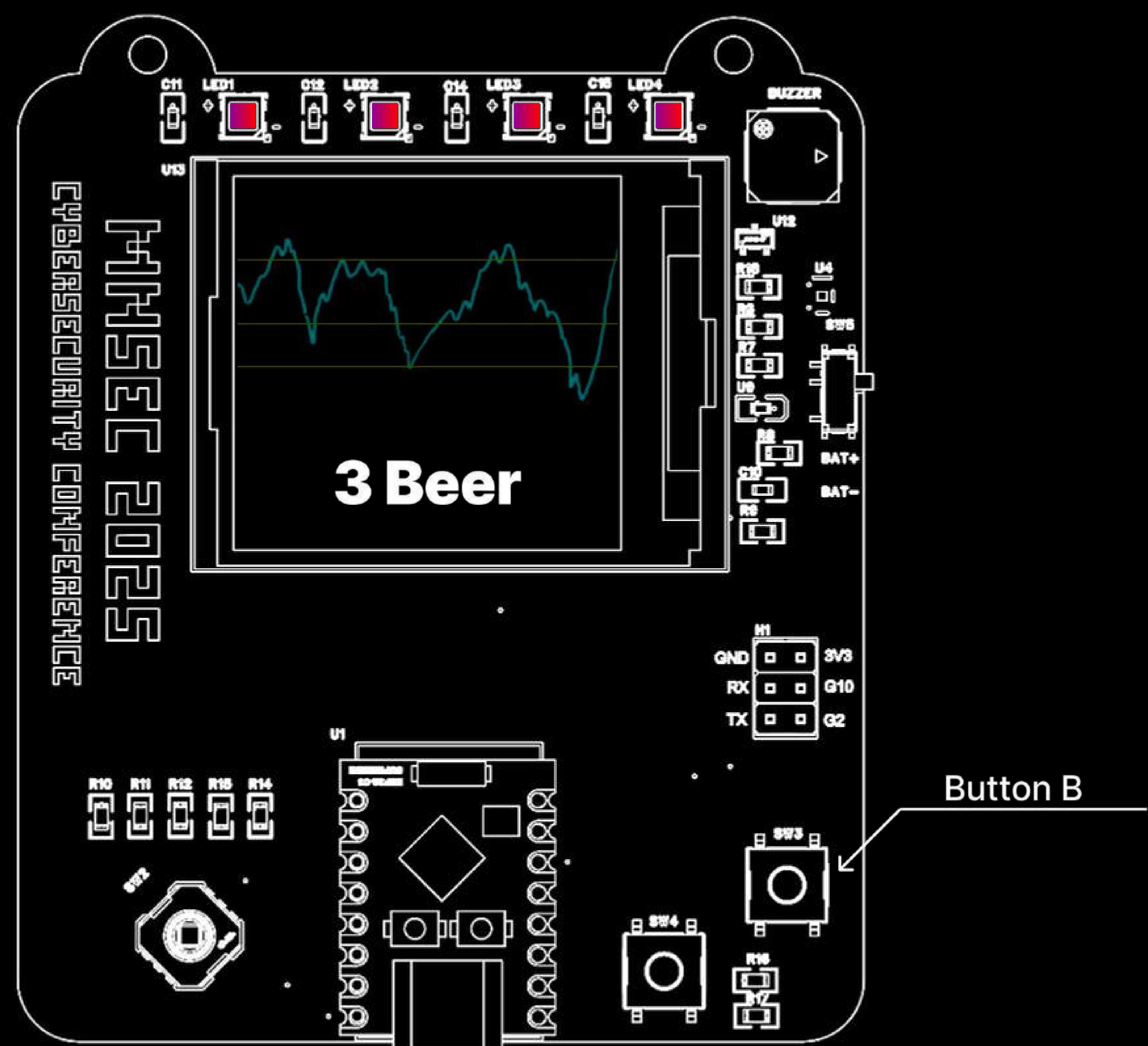
**Press Button B once to [perform action]. Press Button B again to return to the Home screen.**



Note: These sensors are not officially approved for use in Mongolia. Therefore, it is not recommended to use them for official or business purposes. **FUN USE ONLY**

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1:1

# How to connect alcohol sensor?

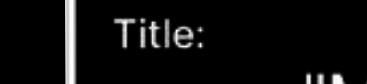


In the Settings menu, adjust the Sensor section according to the sensor you want to use. When you return to the main screen and press and hold Button B, the display will switch from the Name Card to the Sensor screen. At this point, the indicator lights will flash in sync with the sound rhythm.

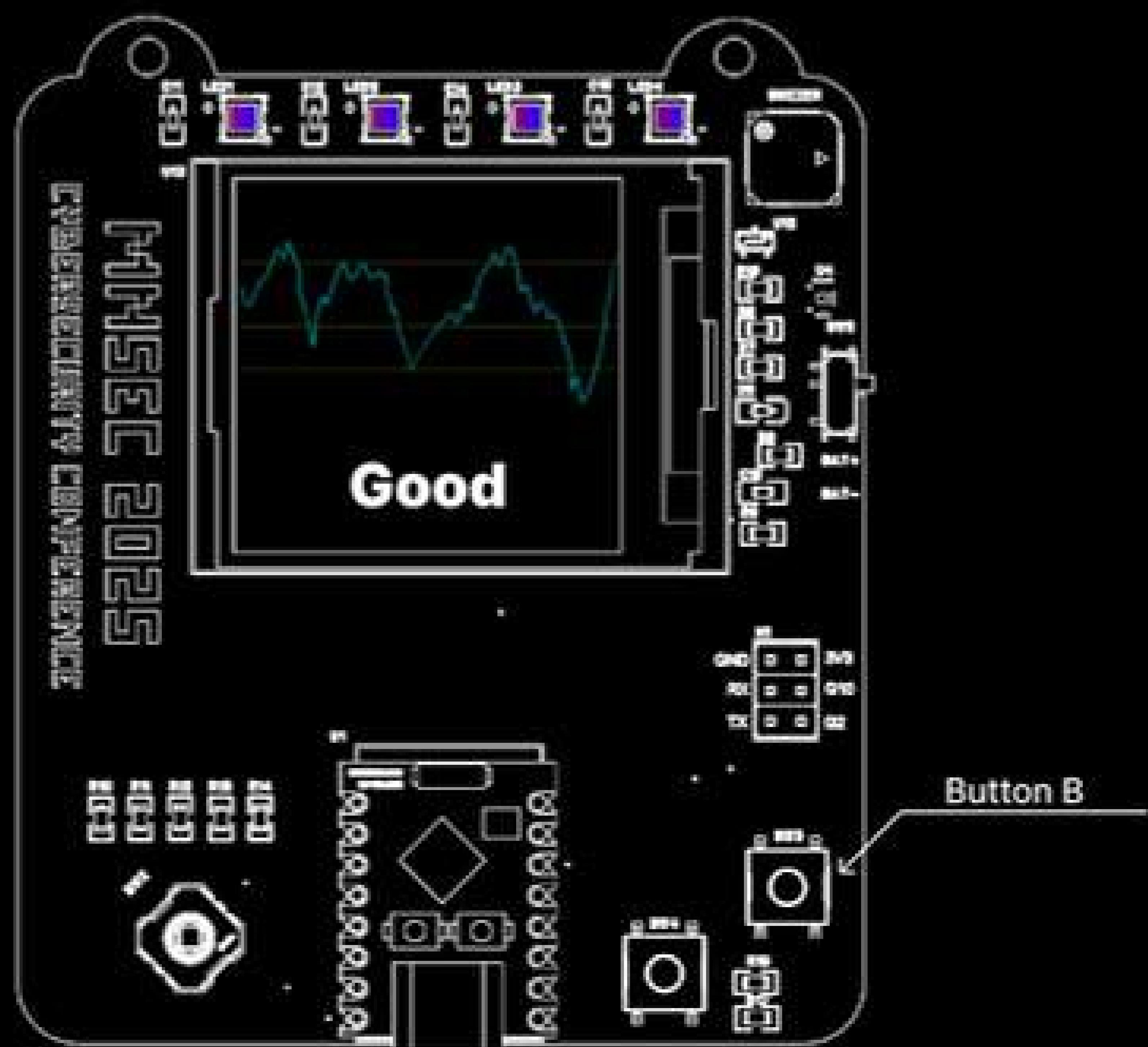
**Press Button B once to [perform action]. Press Button B again to return to the Home screen.**



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	Name	Signature	Date	COMPANY 	Title: "MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	A4
Drawn						
CHK.D						
APPV.D				Weight:70gr-100gr	Scale 10:1	Sheet 1.1

# How to connect indoor air quality sensor ?



In the Settings menu, adjust the Sensor section according to the sensor you want to use. When you return to the main screen and press and hold Button B, the display will switch from the Name Card to the Sensor screen. At this point, the indicator lights will flash in sync with the sound rhythm.

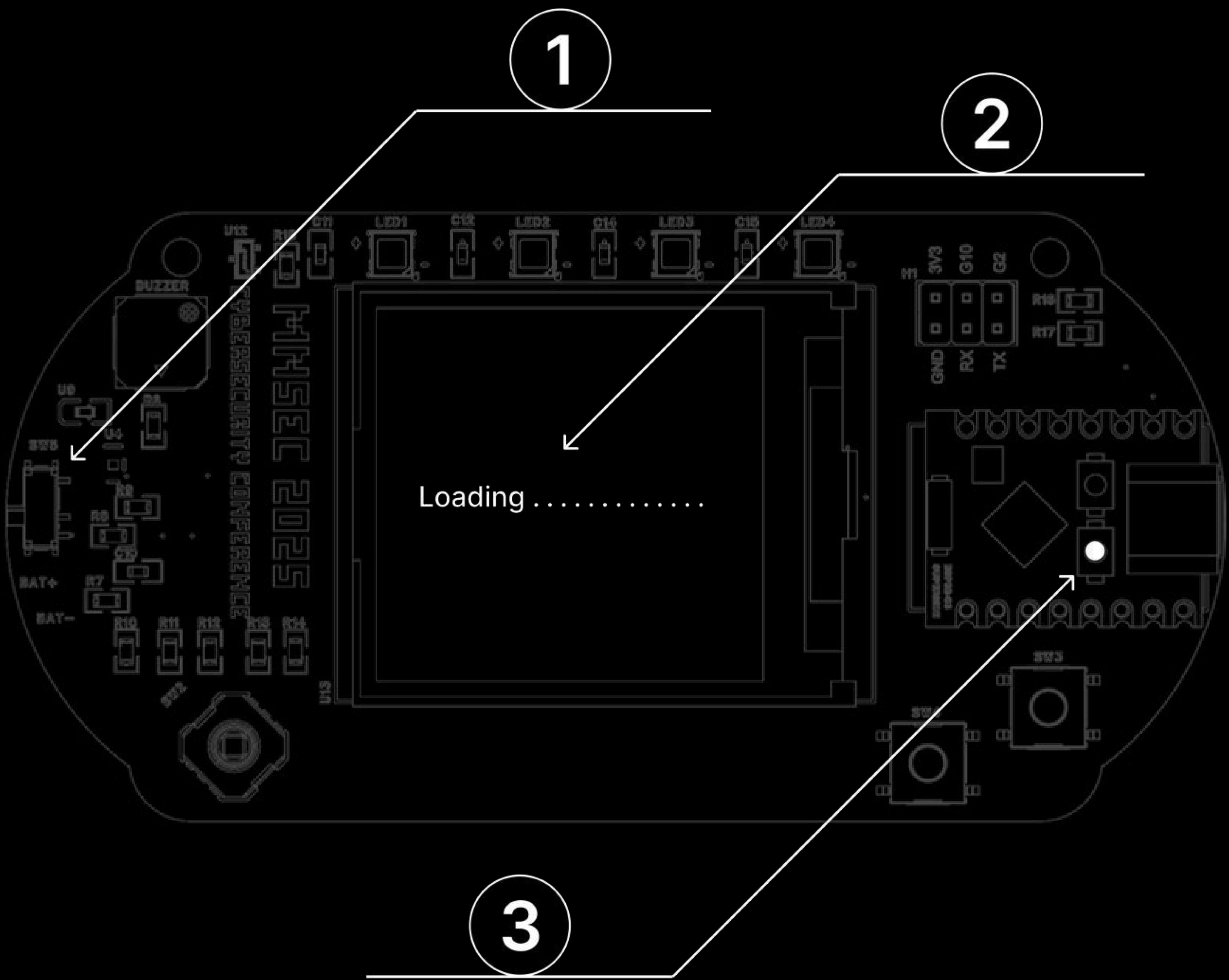
**Press Button B once to [perform action]. Press Button B again to return to the Home screen.**



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Name	Signature	Date	Comments	beelog	Date	MNSEC Event Badge - Designed and Developed by Beelog Tech LLC®	A4
Chairman							
Chairwoman							
Secretary							

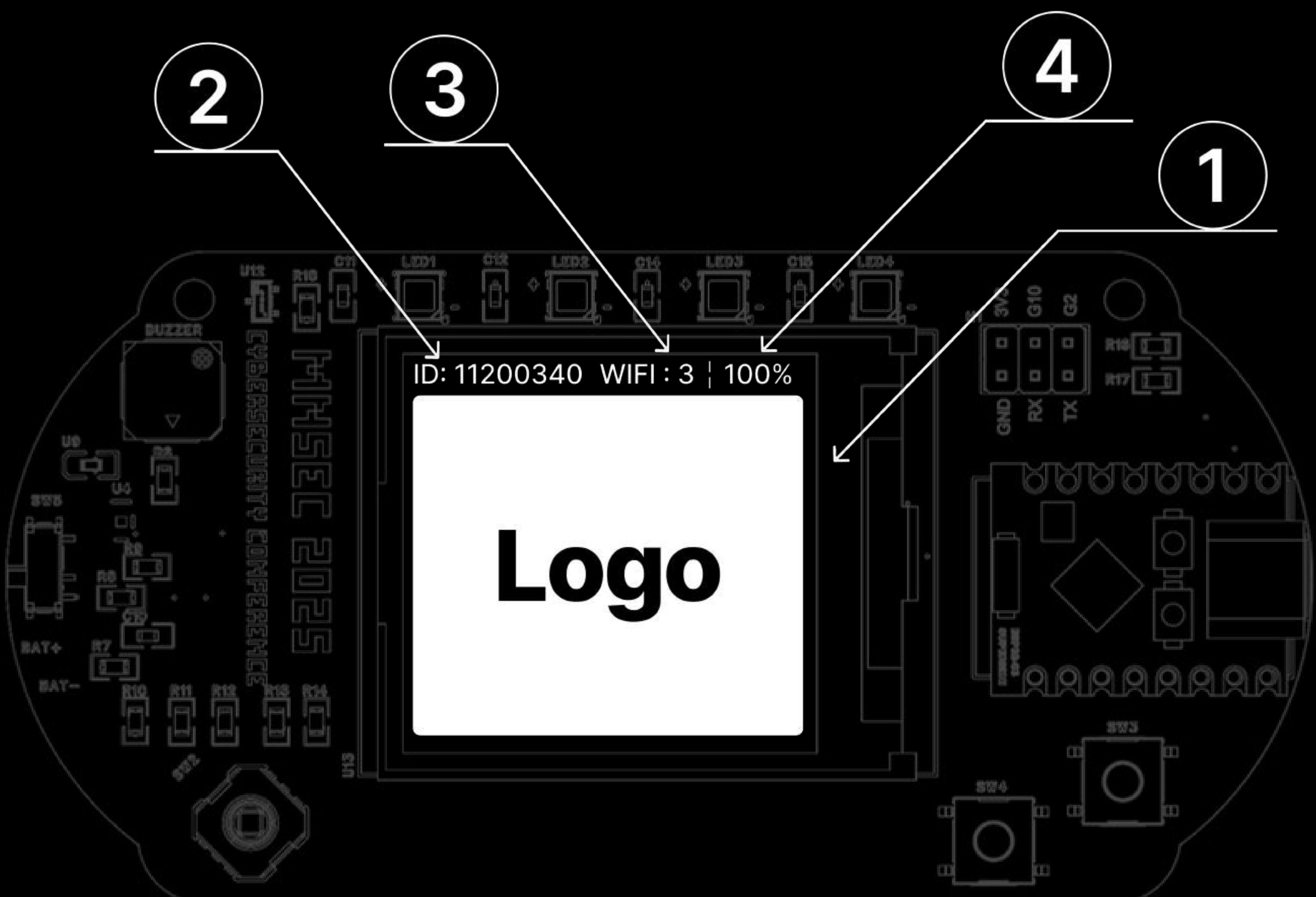
# Start



- ① **ON/OFF Switch:** When you slide the power switch, the badge will turn on and the display will light up.
- ② **Loading ....:** When you turn on the badge, the word 'Loading' will appear on the display. During the next 7 seconds, the badge checks its Wi-Fi connection. After this process, it will continue automatically regardless of the result."
- ③ **RESET :** "If necessary, the ESP32 can be reset to reload the code

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1:1

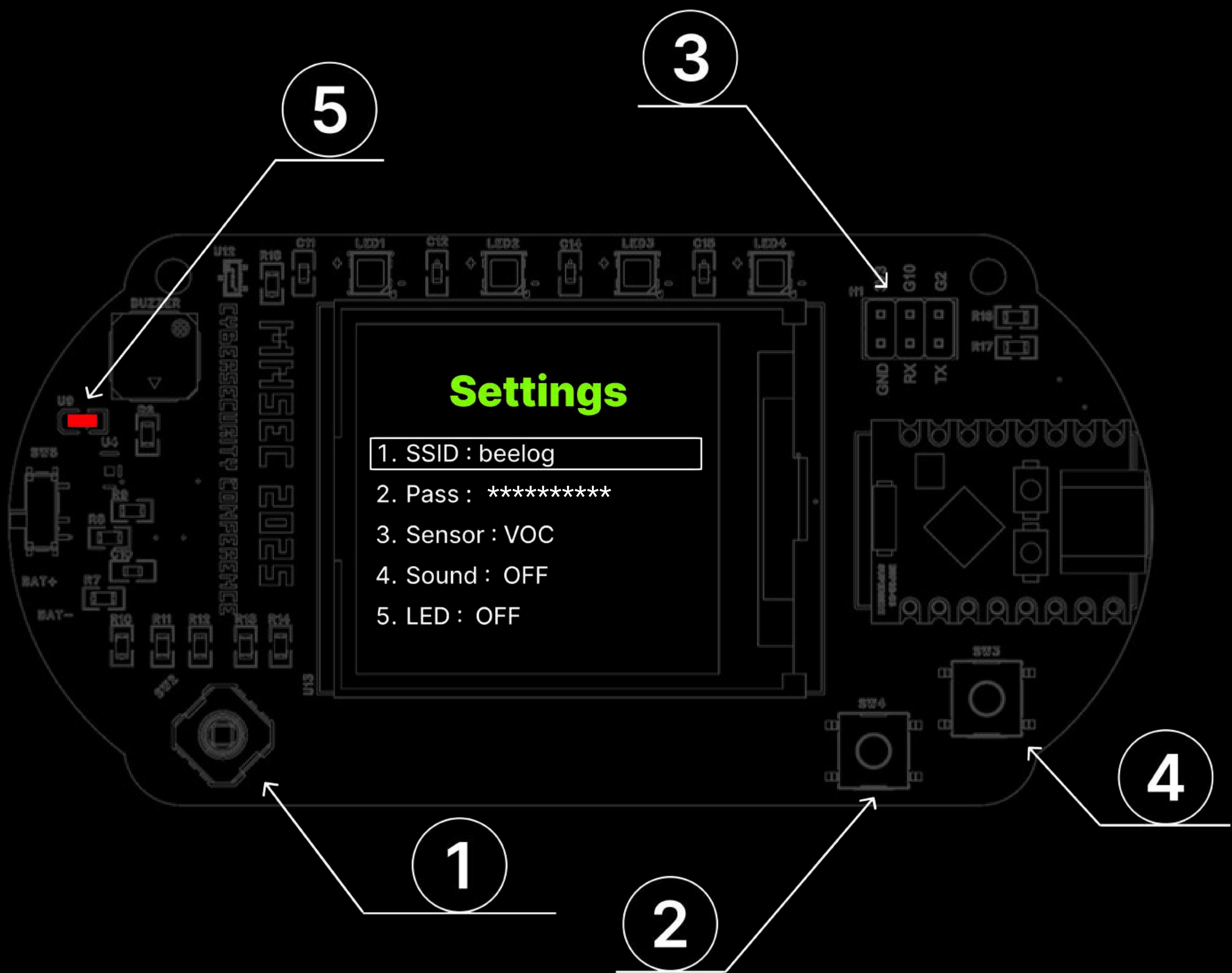
# Interface



- ① Display :** After the device is powered on, the display will show changing images, indicating that the startup process is normal. At the top of the screen, a status bar appears showing the device's Wi-Fi status, battery percentage, and device ID
- ② Device ID :** The device ID code can be used to create a name card and also when changing the Wi-Fi password.
- ③ WIFI Status :** 255 = WL\_NO\_SHIELD // for compatibility with WiFi Shield library
- |                       |                        |
|-----------------------|------------------------|
| 0 = WL_IDLE_STATUS    | 4 = WL_CONNECT_FAILED  |
| 1 = WL_NO_SSID_AVAIL  | 5 = WL_CONNECTION_LOST |
| 2 = WL_SCAN_COMPLETED | 6 = WL_DISCONNECTED    |
| 3 = WL_CONNECTED      |                        |
- ④ Battery :** The battery section shows the remaining charge as a percentage

Name	Signature	Date	COMPANY 	Title: "MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	A4
Drawn					
CHK.D					
APPV.D		Weight:70gr-100gr	Scale 10:1	Sheet 1:1	

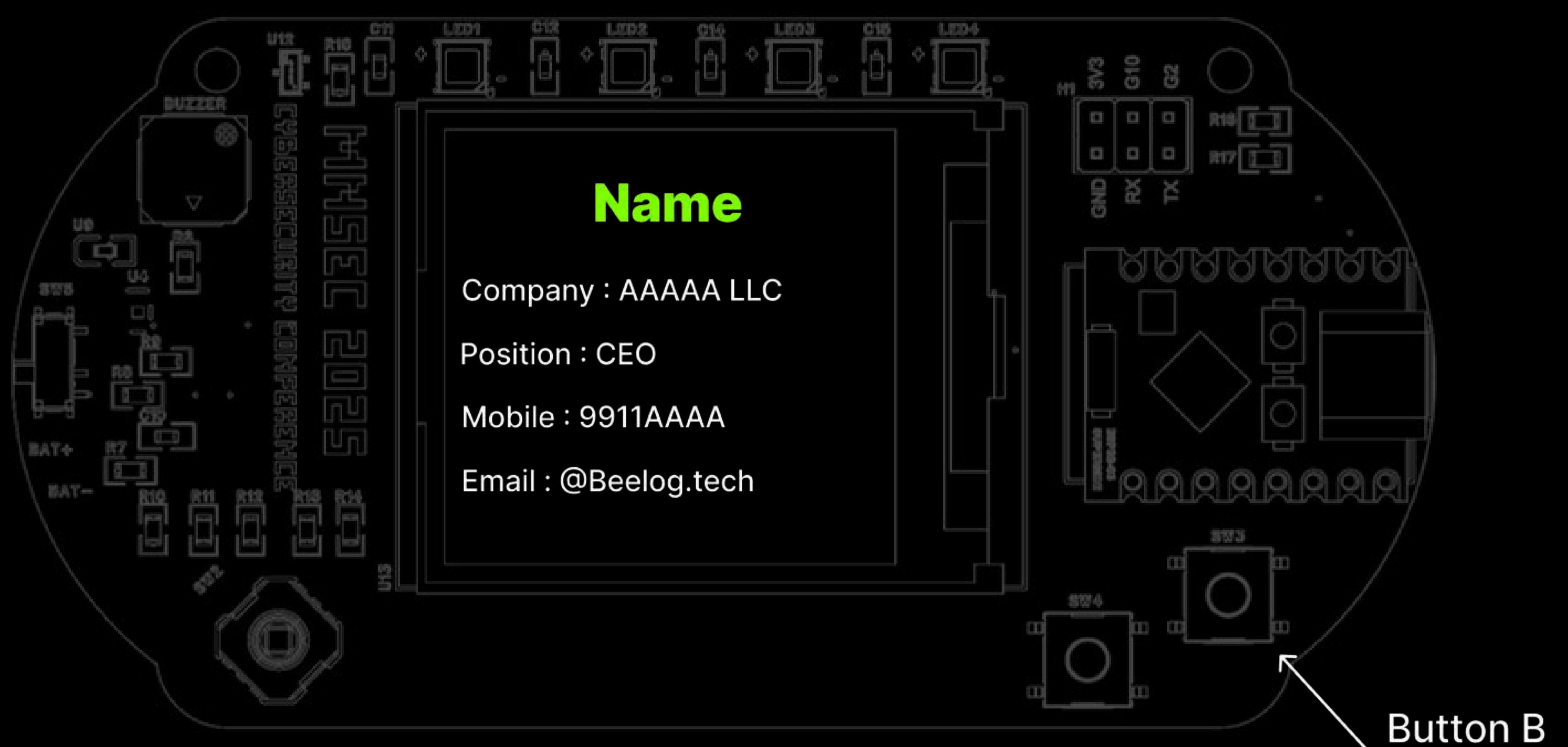
# Enter the Settings menu



- 1 JoyStick :** The joystick helps you navigate and make selections in the game settings.  
**Press the center button of the joystick to enter the Settings menu**
- 2 Button B :** Button B can be used as a 'Yes' or 'Back' button in certain situations
- 3 Button A :** Button A can be used as a 'Yes' or 'Back' button in certain situations
- 4 Module connector :** The module connector is used to connect the Alcohol Sensor, Intake Air Quality Sensor, and Microne Module
- 5 Battery charge :** The red light labeled U9 turns on while the battery is charging. It will turn off once the charging is complete

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1/1

# To create a Name Card

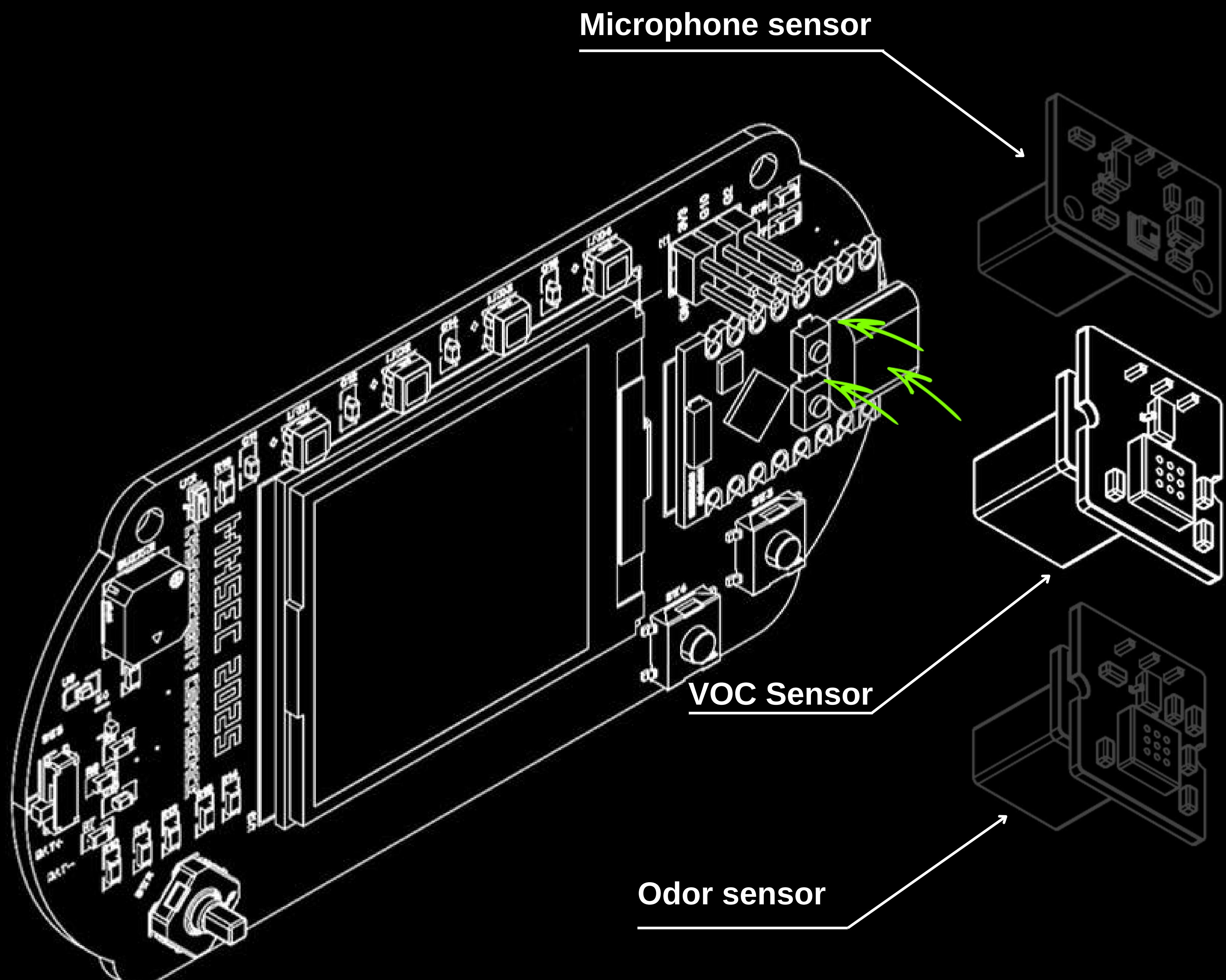


Access the web interface and fill in the required fields. In the Name field, enter your full name or nickname. In the Company field, enter your company name, and in the Position field, enter your job title. Also, provide your phone number. After saving the information, press Button B to display the Name Card on the badge screen

**The Name Card function will work even if the sensor is turned off in the Settings menu**

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APP.V.D			Weight:70gr-100gr	Scale 10:1	Sheet 1:1

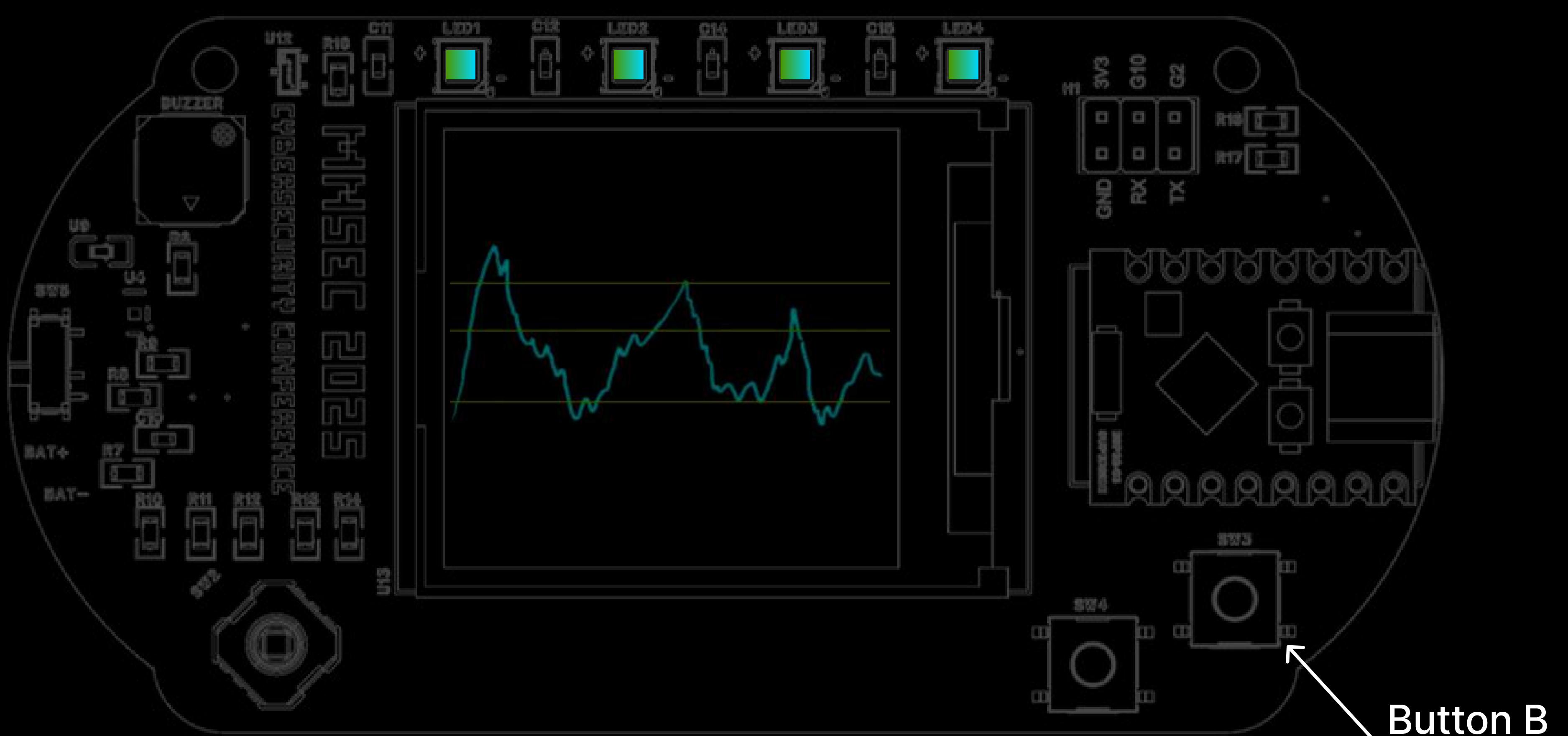
# How to use module ?



When using additional modules, connect them to the module connector as shown in the diagram. Sensor configurations can be adjusted through the Settings menu as follows: the Odor Sensor is connected via the Alcohol Sensor port, the VOC Sensor via the Air Quality Sensor port, and the MIC via its designated port.

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APP.V.D		Weight:70gr-100gr		Scale 10:1	Sheet 1:1

# How to connect microphone?



In the Settings menu, adjust the Sensor section according to the sensor you want to use. When you return to the main screen and press and hold Button B, the display will switch from the Name Card to the Sensor screen. At this point, the indicator lights will flash in sync with the sound rhythm.

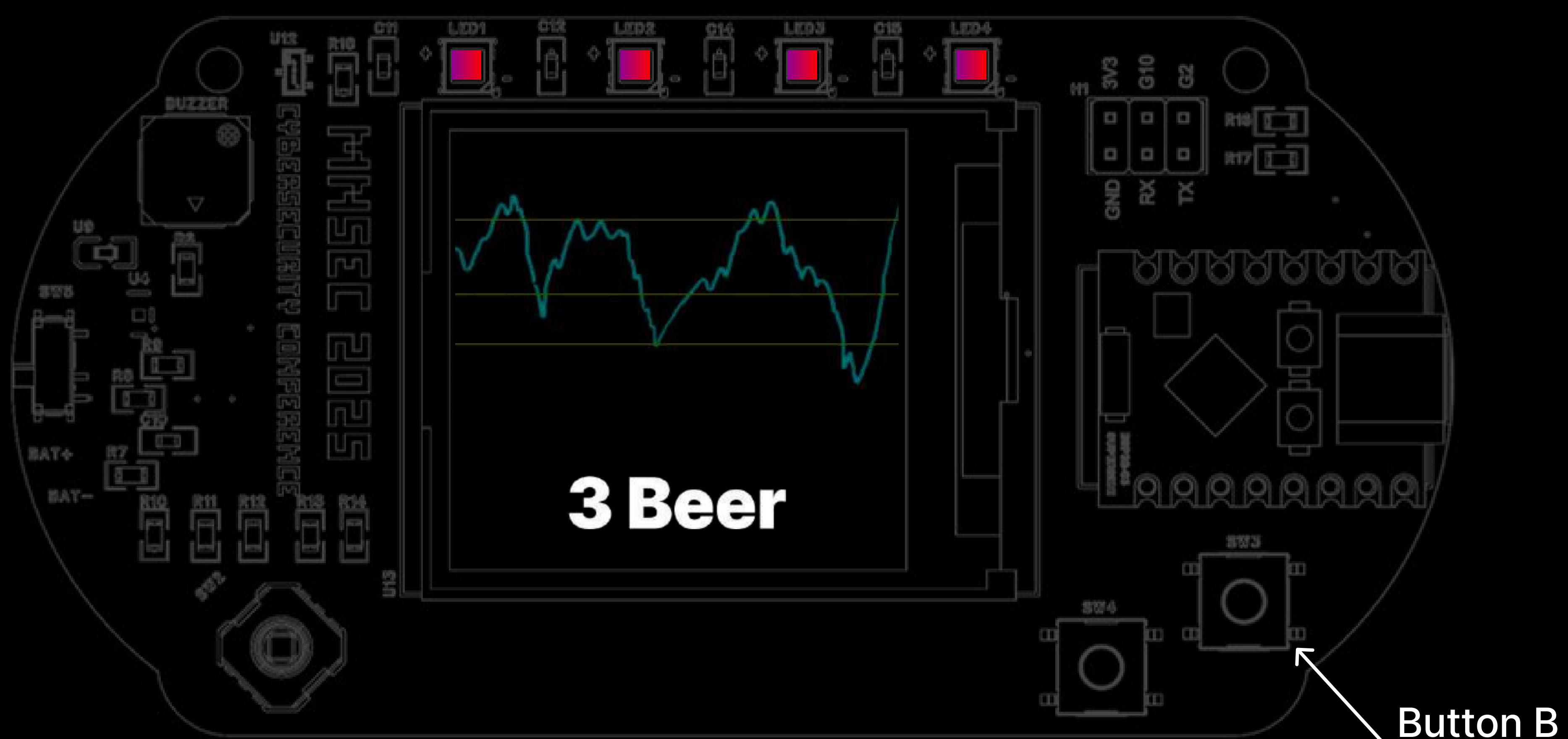
**Press Button B once to [perform action]. Press Button B again to return to the Home screen.**



Note: These sensors are not officially approved for use in Mongolia. Therefore, it is not recommended to use them for official or business purposes. **FUN USE ONLY**

Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1:1

# How to connect alcohol sensor?



In the Settings menu, adjust the Sensor section according to the sensor you want to use. When you return to the main screen and press and hold Button B, the display will switch from the Name Card to the Sensor screen. At this point, the indicator lights will flash in sync with the sound rhythm.

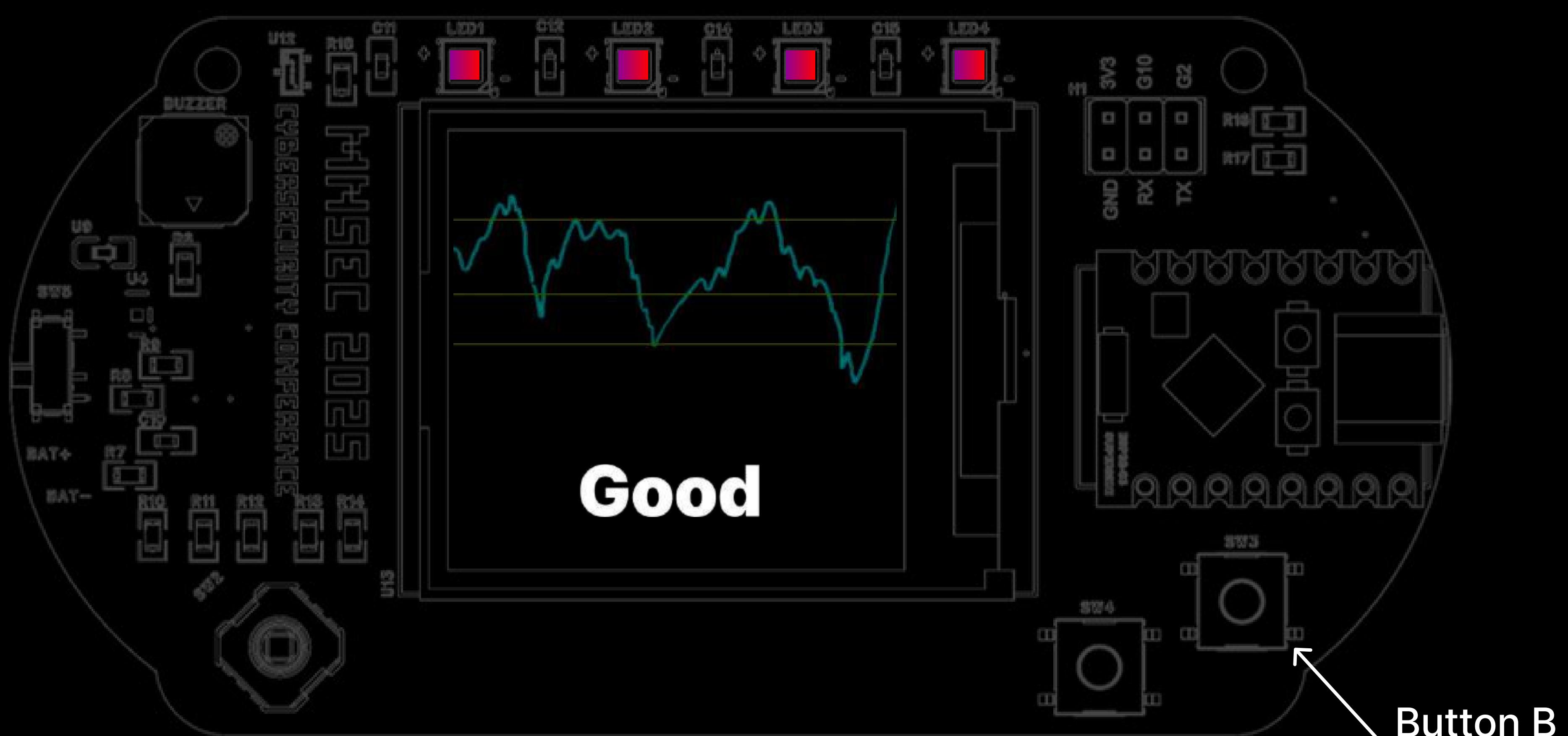
**Press Button B once to [perform action]. Press Button B again to return to the Home screen.**



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Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1:1

# How to connect indoor air quality sensor ?



In the Settings menu, adjust the Sensor section according to the sensor you want to use. When you return to the main screen and press and hold Button B, the display will switch from the Name Card to the Sensor screen. At this point, the indicator lights will flash in sync with the sound rhythm.

**Press Button B once to [perform action]. Press Button B again to return to the Home screen.**

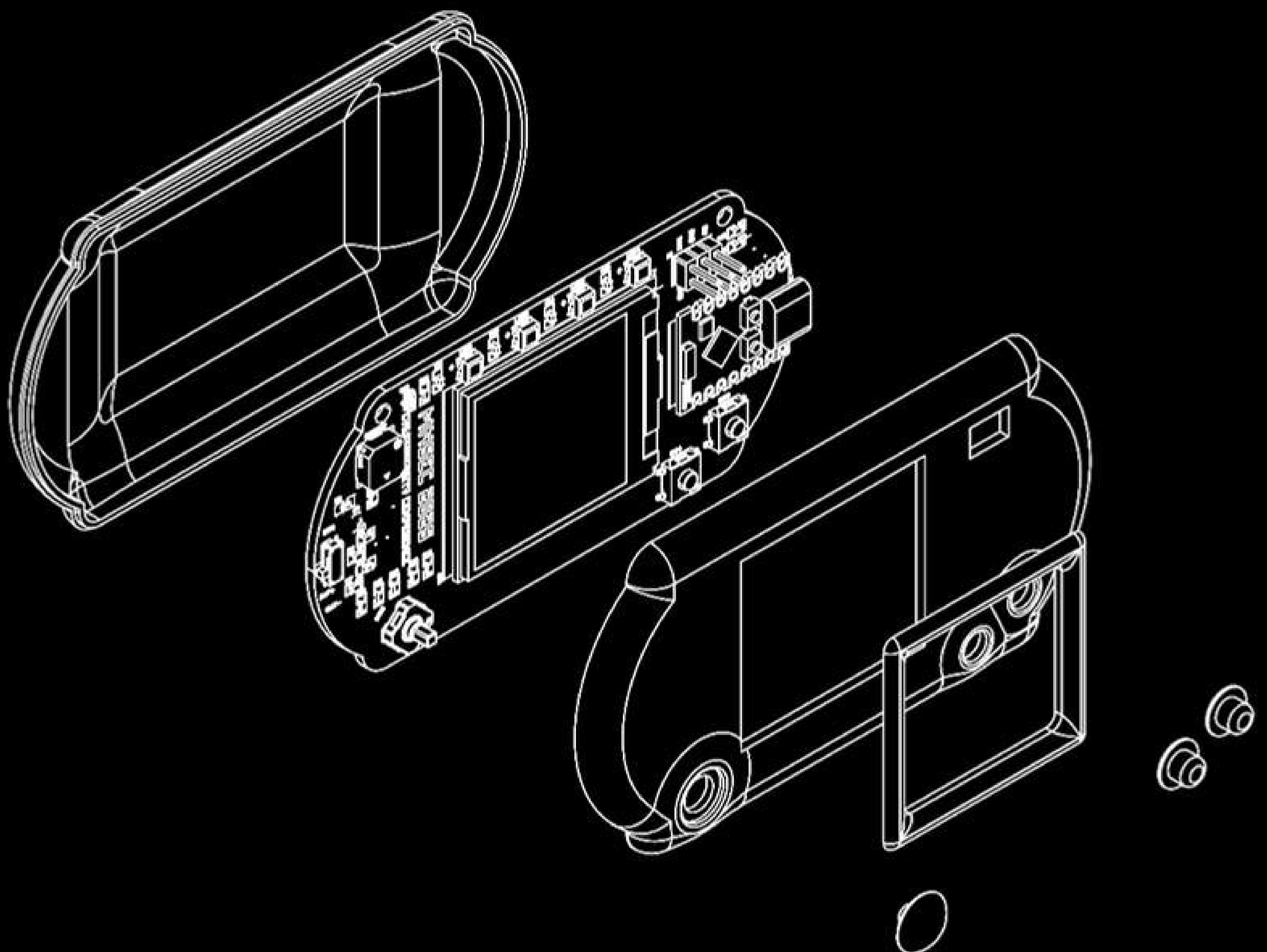


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Name	Signature	Date	COMPANY	Title:	A4
Drawn				"MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1:1

# Case

Custom badge cases are available by order.  
Pre-orders are currently being accepted



Name	Signature	Date	COMPANY  beelog	Title: "MNSEC Event Badge – Designed and Developed by Beelog Tech LLC"	A4
Drawn					
CHK.D					
APPV.D			Weight:70gr-100gr	Scale 10:1	Sheet 1:1