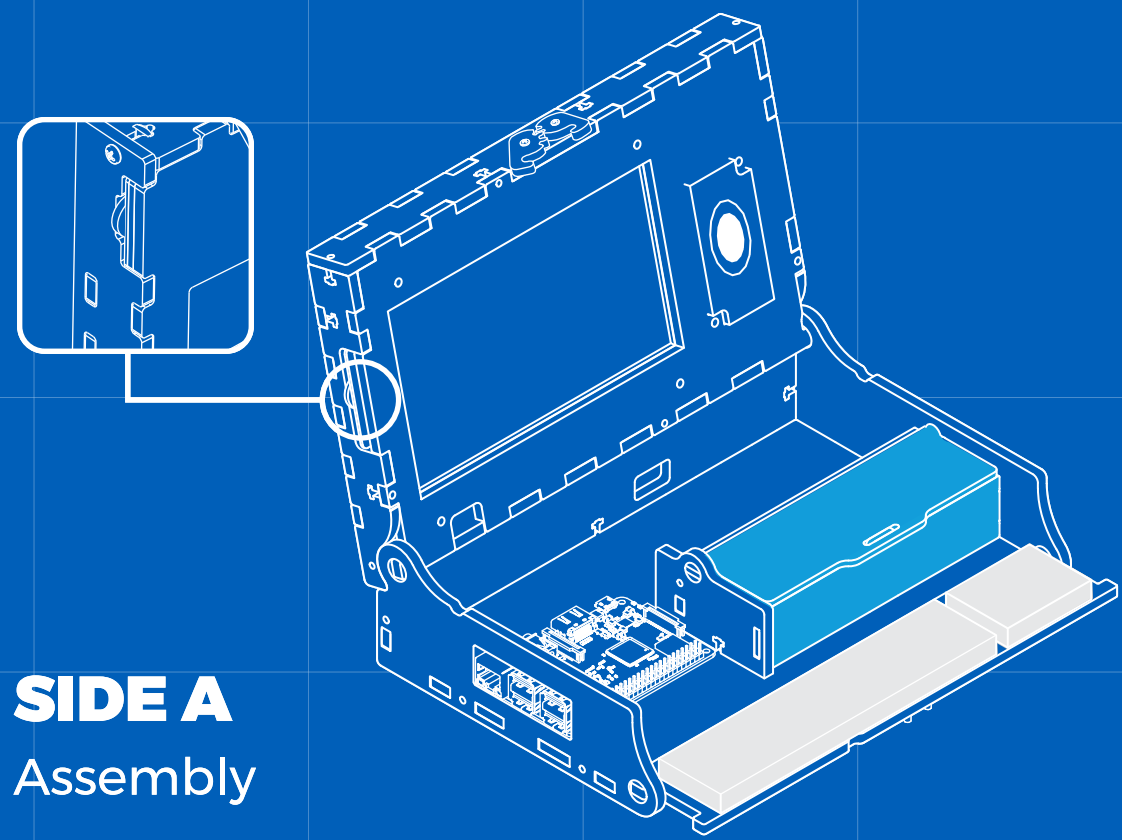


Mission Zero

Piper Computer Kit V4



ELECTRONIC INVENTORY

- | | |
|---------------|-------------------|
| Display | Audio Cable |
| Speaker | HDMI Cable |
| Raspberry Pi | Breadboards |
| Battery | Buttons |
| Jumper Wire | LEDs |
| Power Harness | Switches/ Buzzers |

MECHANICAL INVENTORY

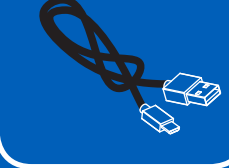
- | | |
|----------------|------------------|
| 26 1/2" Screws | 22 Hex Nuts |
| 4 3/8" Screws | 4 Retainer Clips |
| 4 1/4" Screws | |

PREP

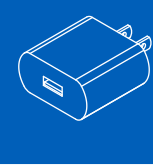
Use the USB-A to USB-C Cable and Charger to **charge the Battery** before building your Piper Computer Kit. This may take several hours.

**Note: USB Type of Cable and Charger May Vary.*

USB to USB*



Charger*

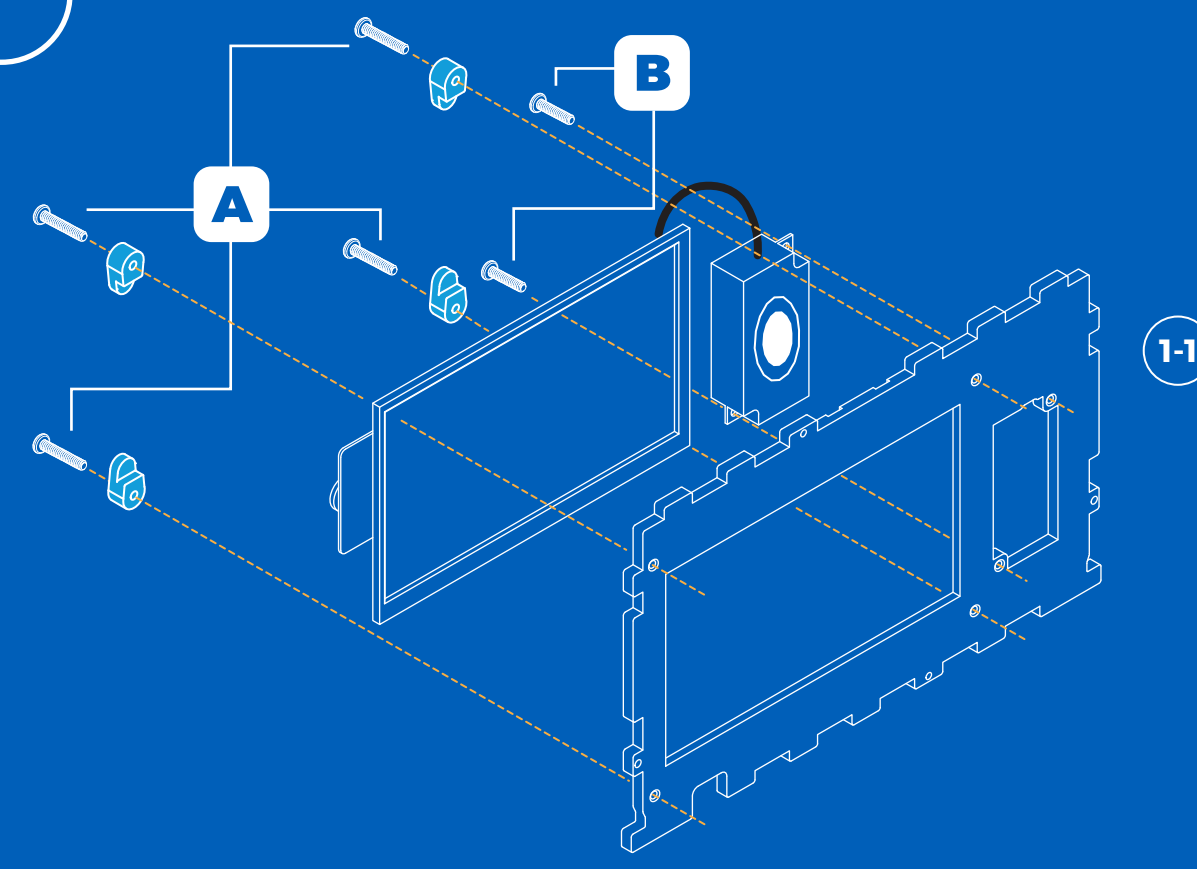


1.1

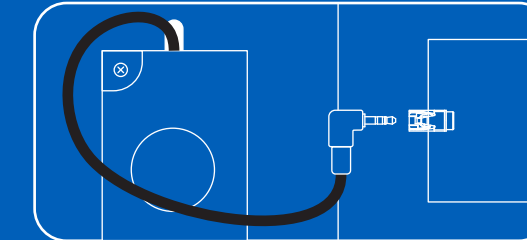


STEP 1.1

- Display
- Speaker
- A** Screws x4
- B** Screws x2
- Retainer Clips x4



After assembly, flip and connect Speaker to Display.

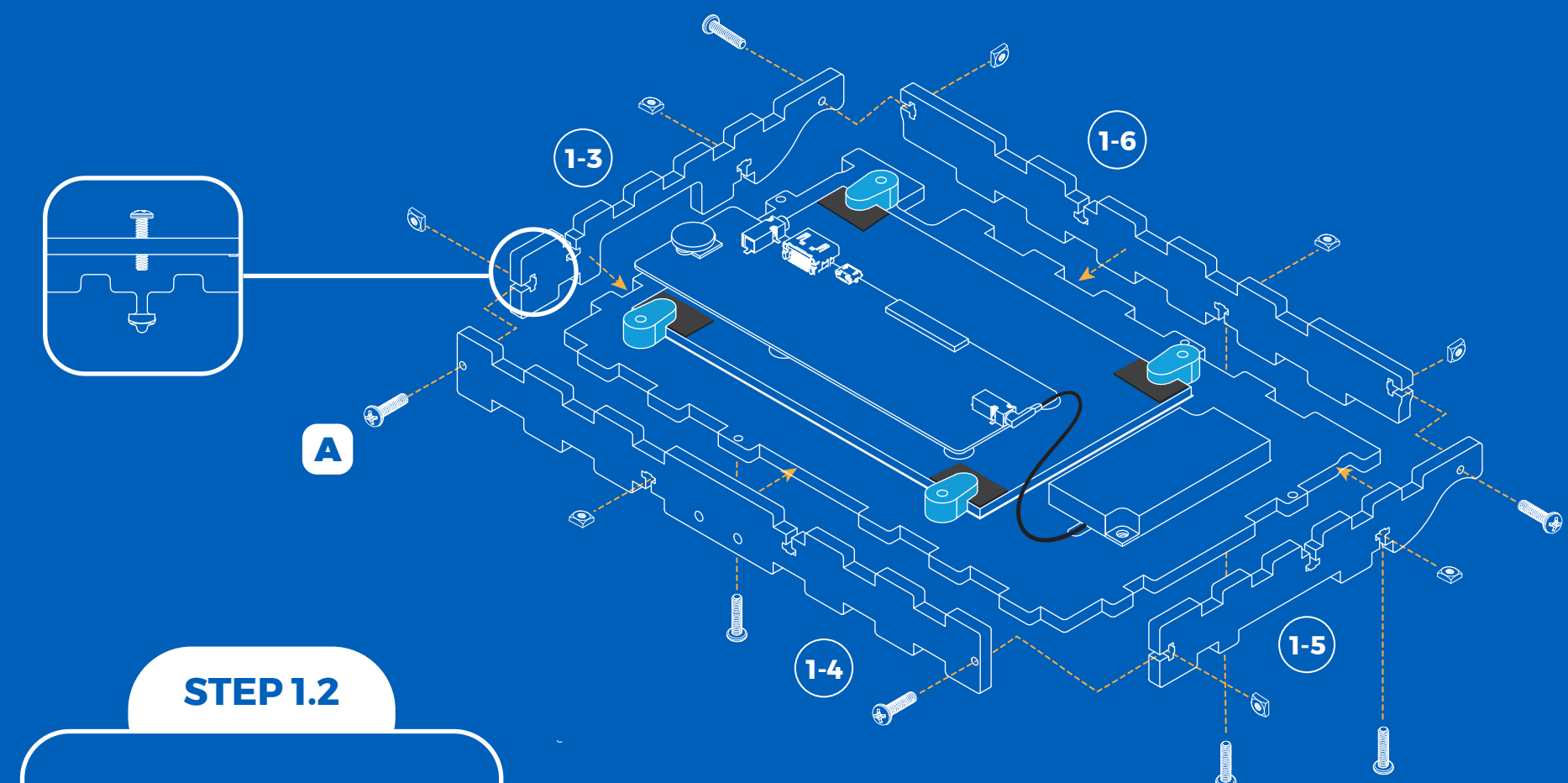


1.2



STEP 1.2

- A** Screws x8
- Nuts x8



2.1



STEP 2.1

- A** Screws x3
- Nuts x3



2.2

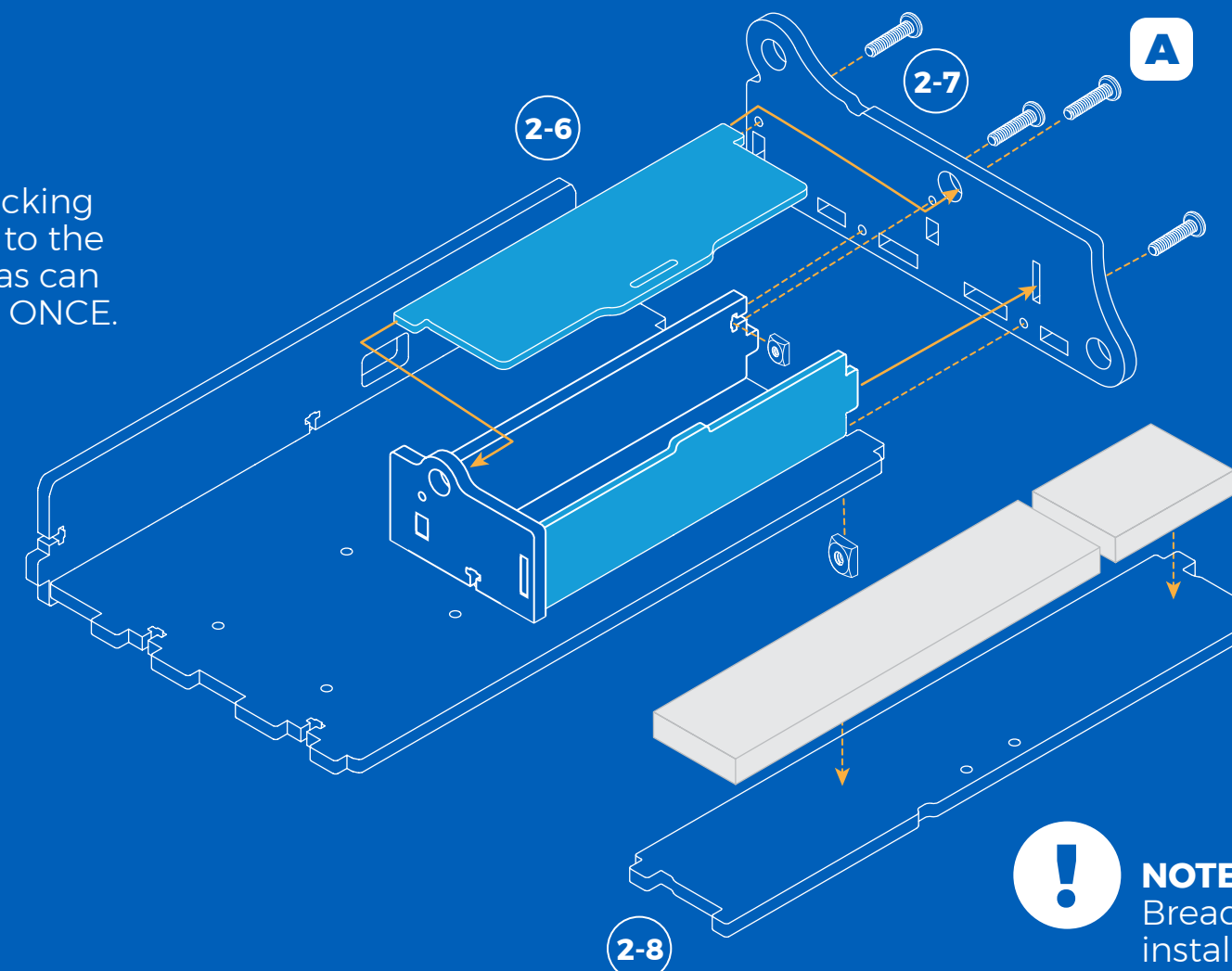


STEP 2.2

- A** Screws x4
- Nuts x4
- Breadboards



CAUTION: Sticking breadboards to the stenciled areas can only be done ONCE.



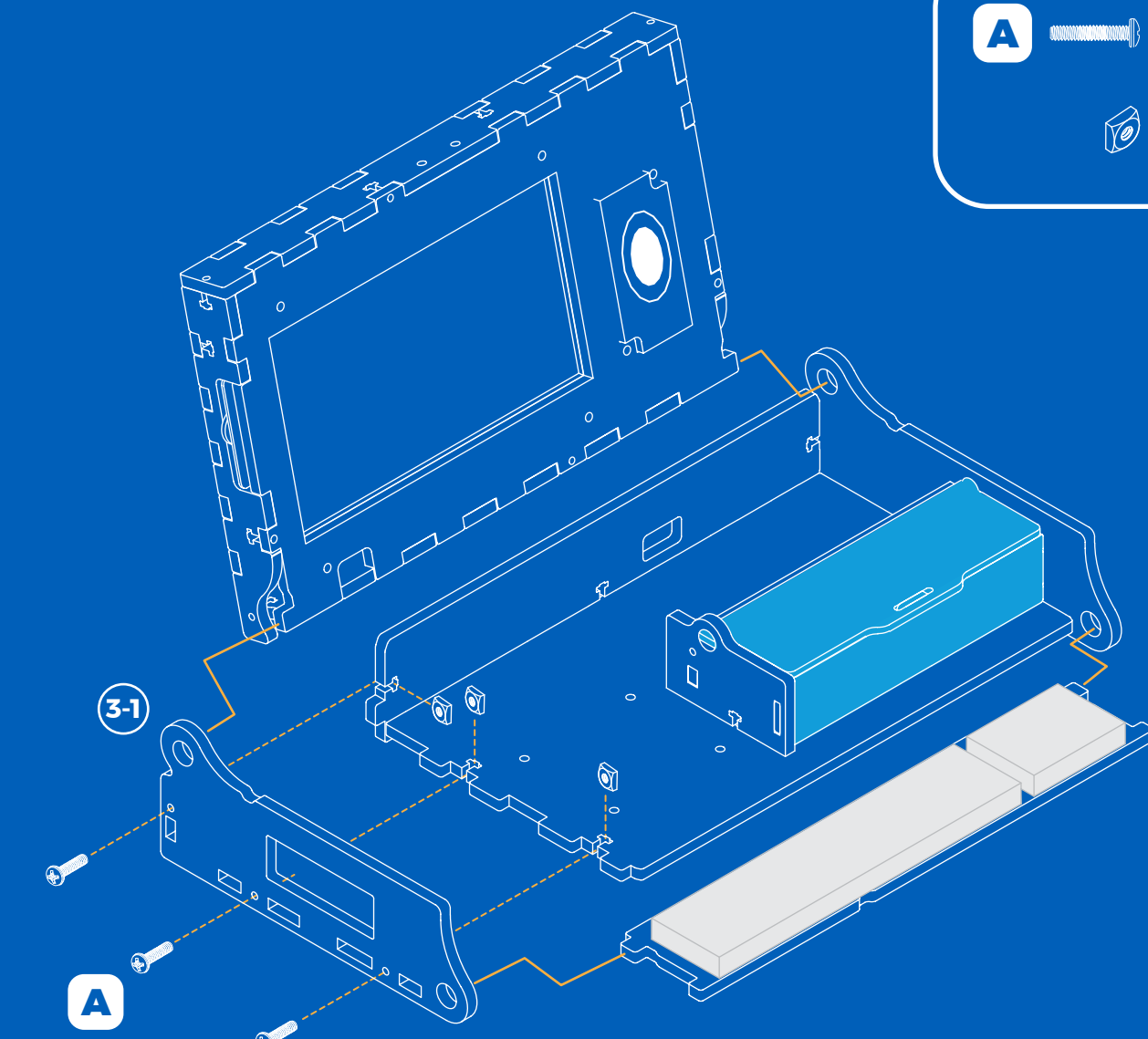
NOTE: The larger Breadboard can be installed in either orientation.

3



STEP 3

- A** Screws x3
- Nuts x3

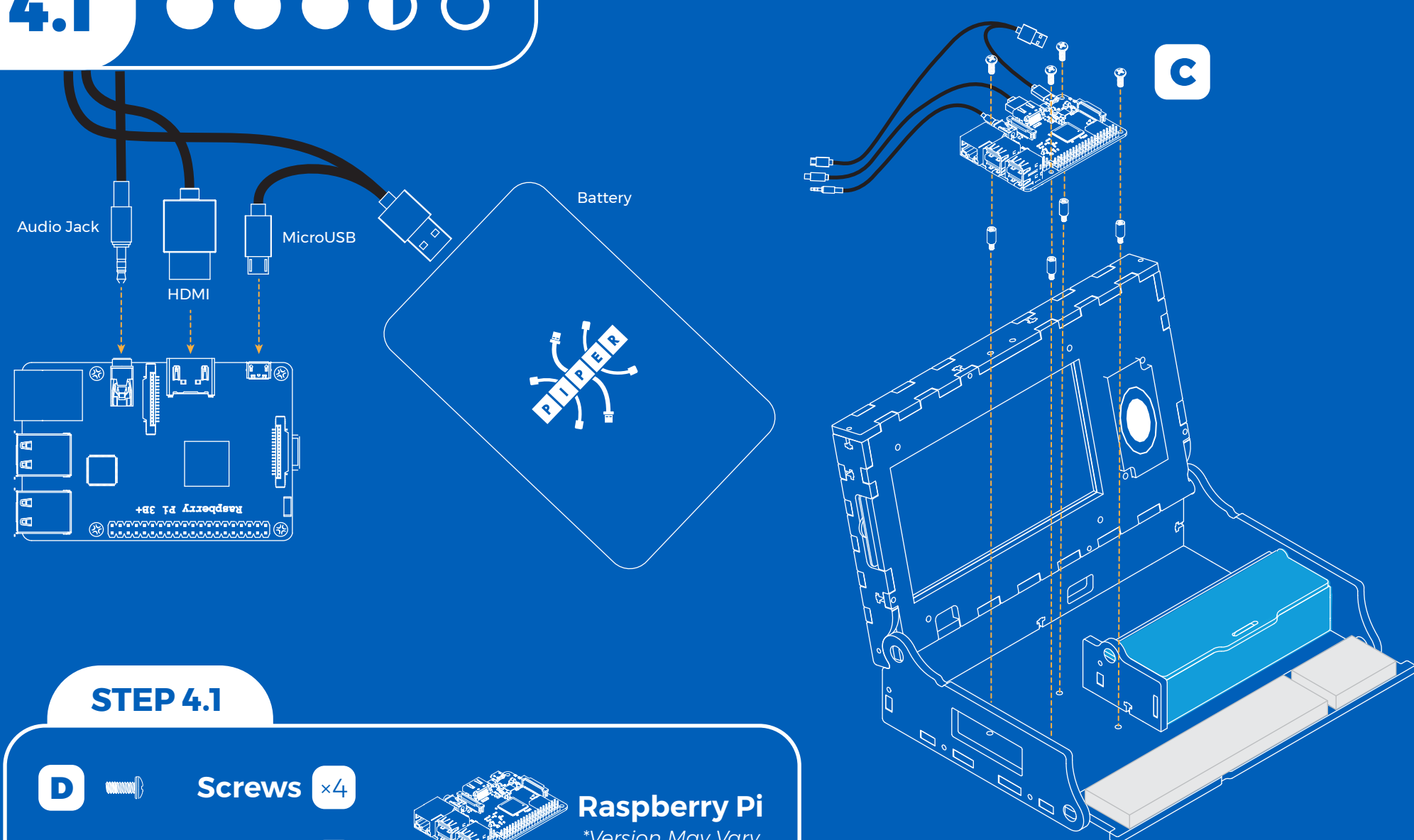


4.1



STEP 4.1

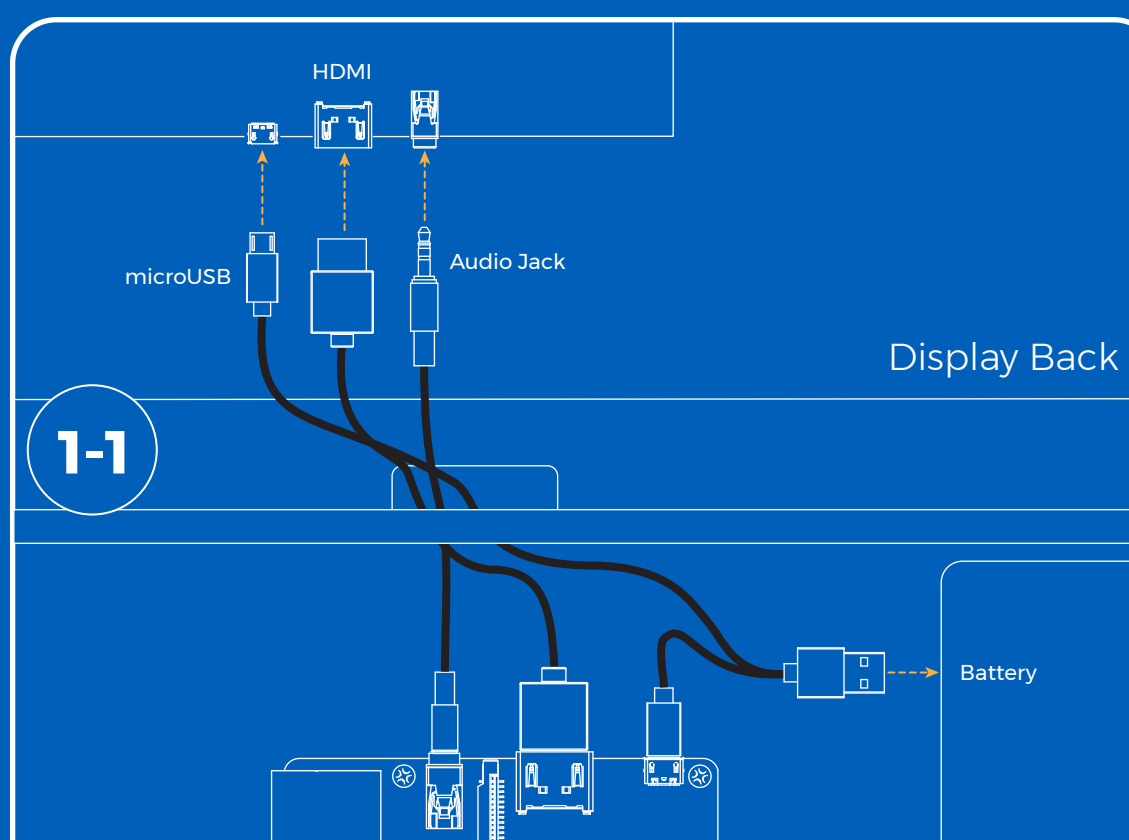
- D** Screws x4
- Standoffs x4
- Raspberry Pi
**Version May Vary*



4.2



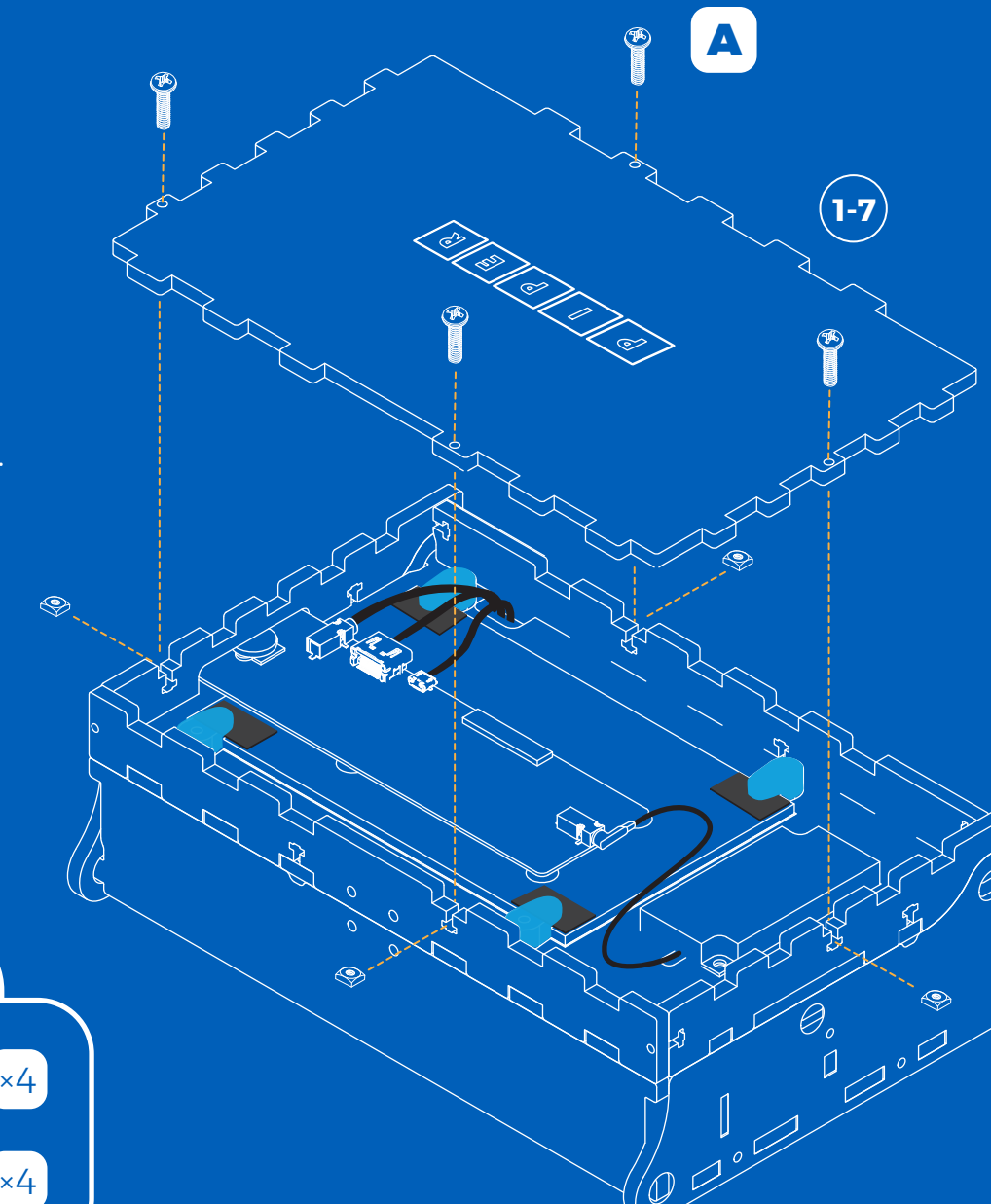
BEFORE ATTACHING LID: To ensure proper cabling test the Raspberry Pi by plugging the Pi into the battery and powering on.



**Battery may or may not include Piper logo*

STEP 4.2

- A** Screws x4
- Nuts x4

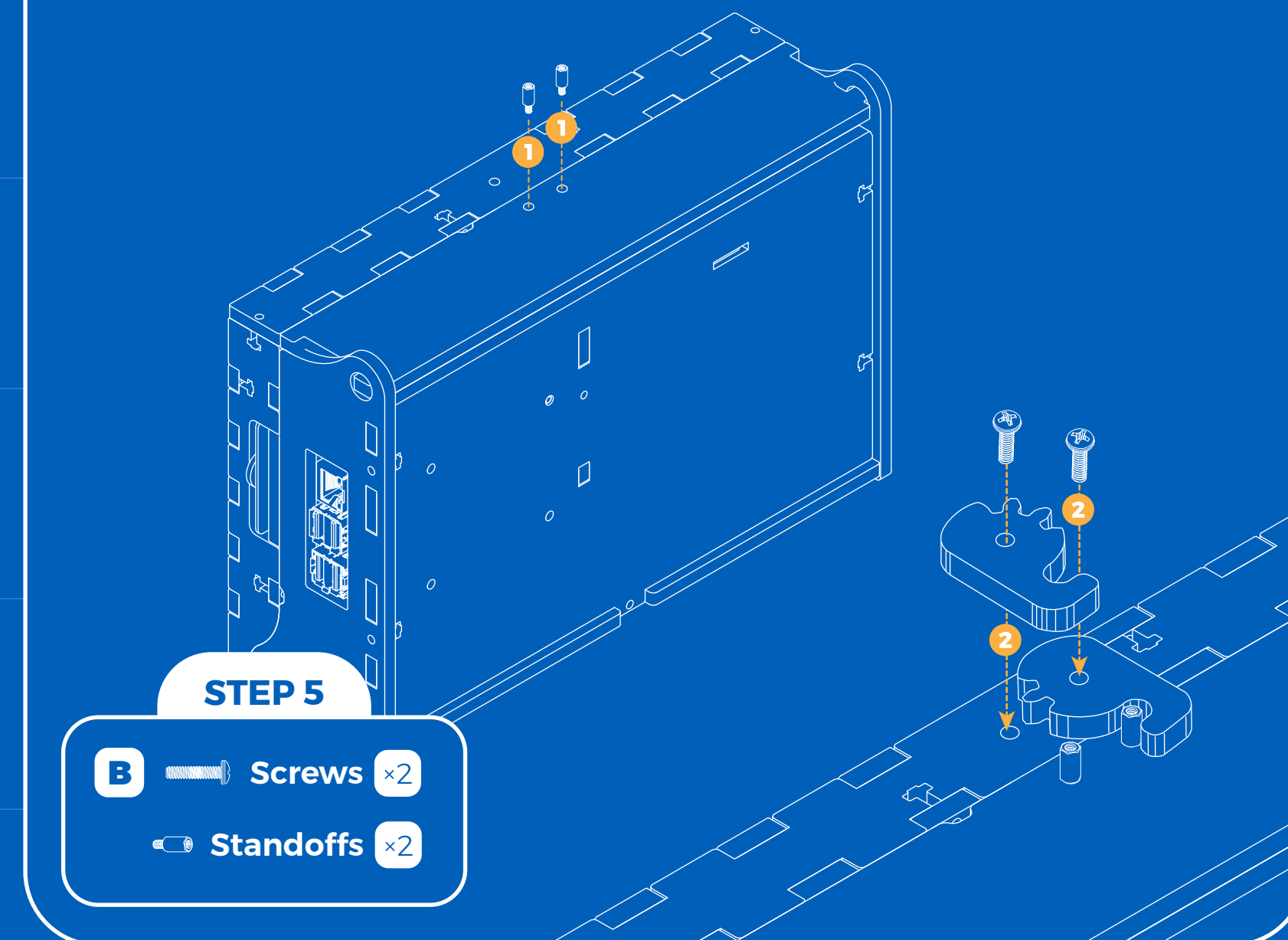


5



STEP 5

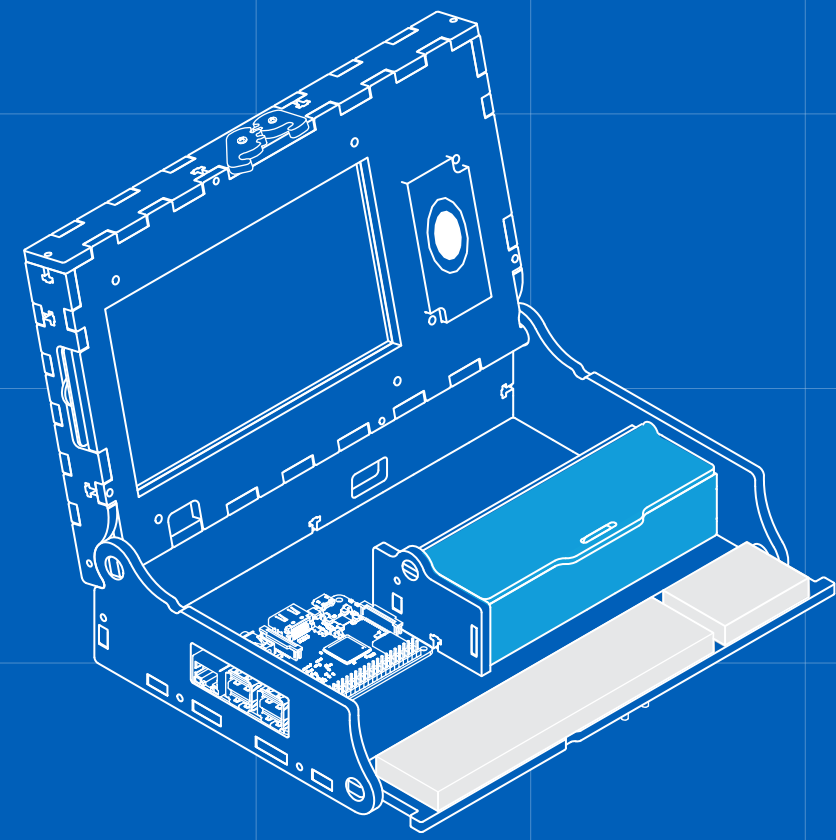
- B** Screws x2
- Standoffs x2



Mission Zero

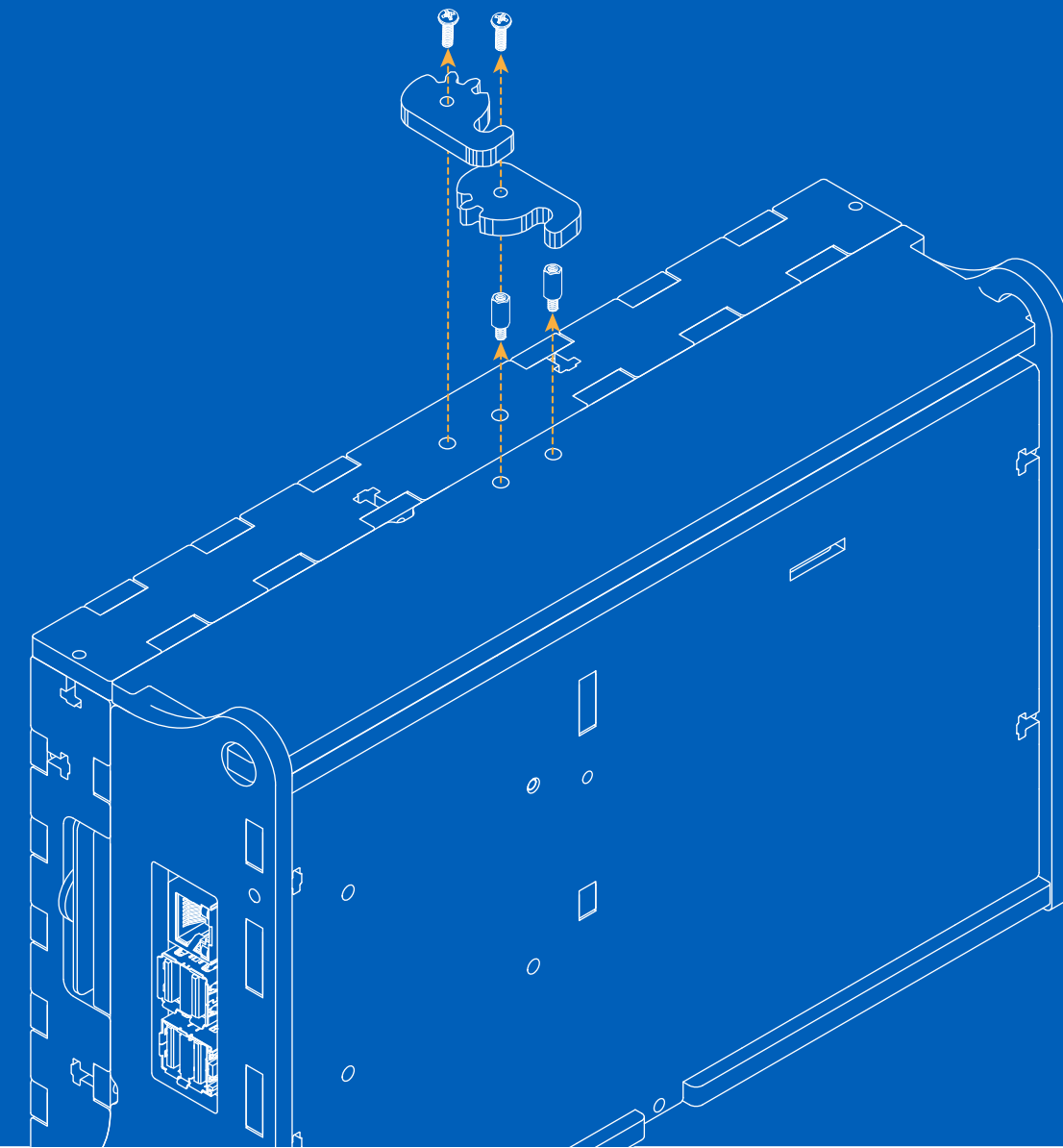
Piper Computer Kit V4

SIDE B
Disassembly

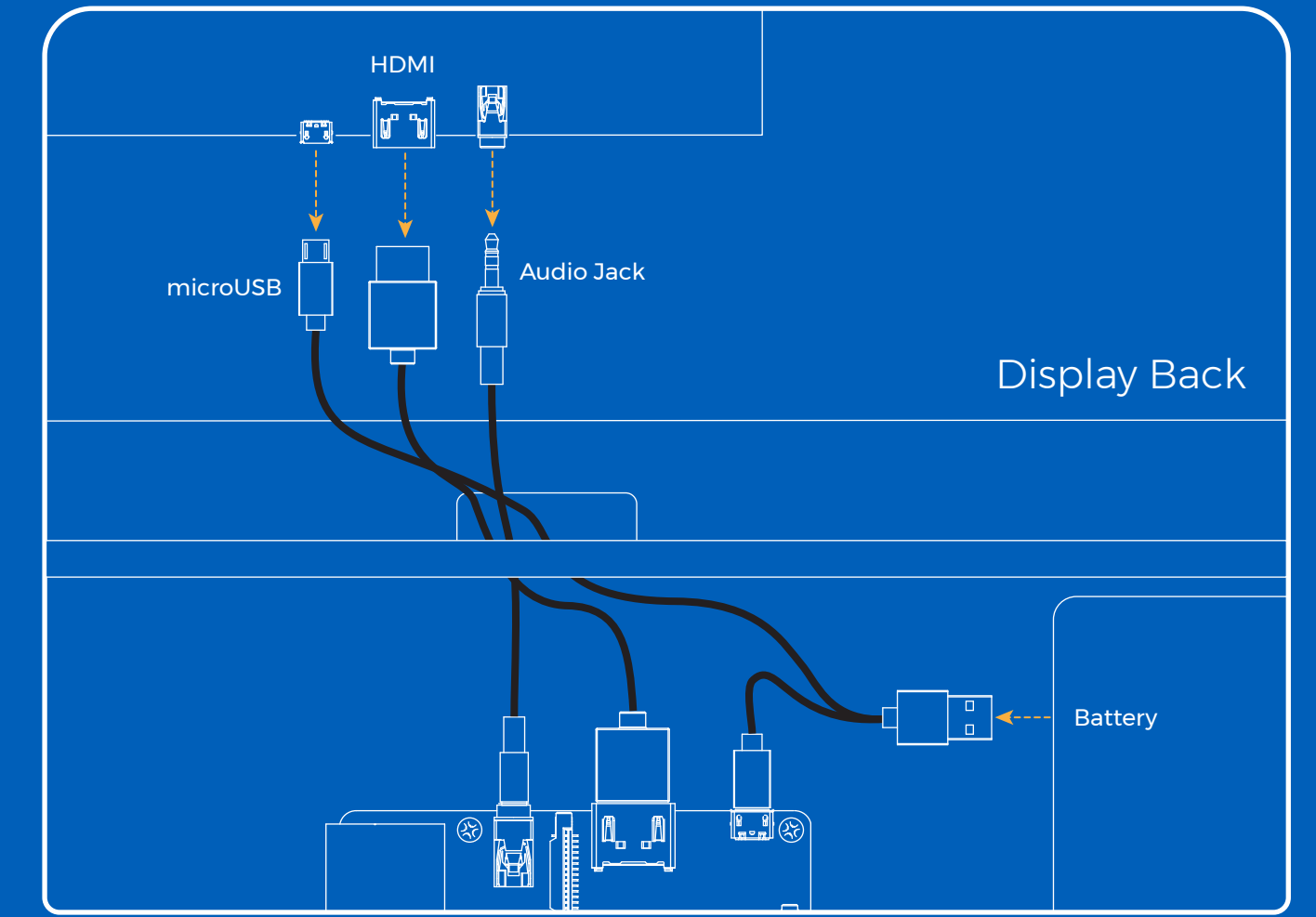
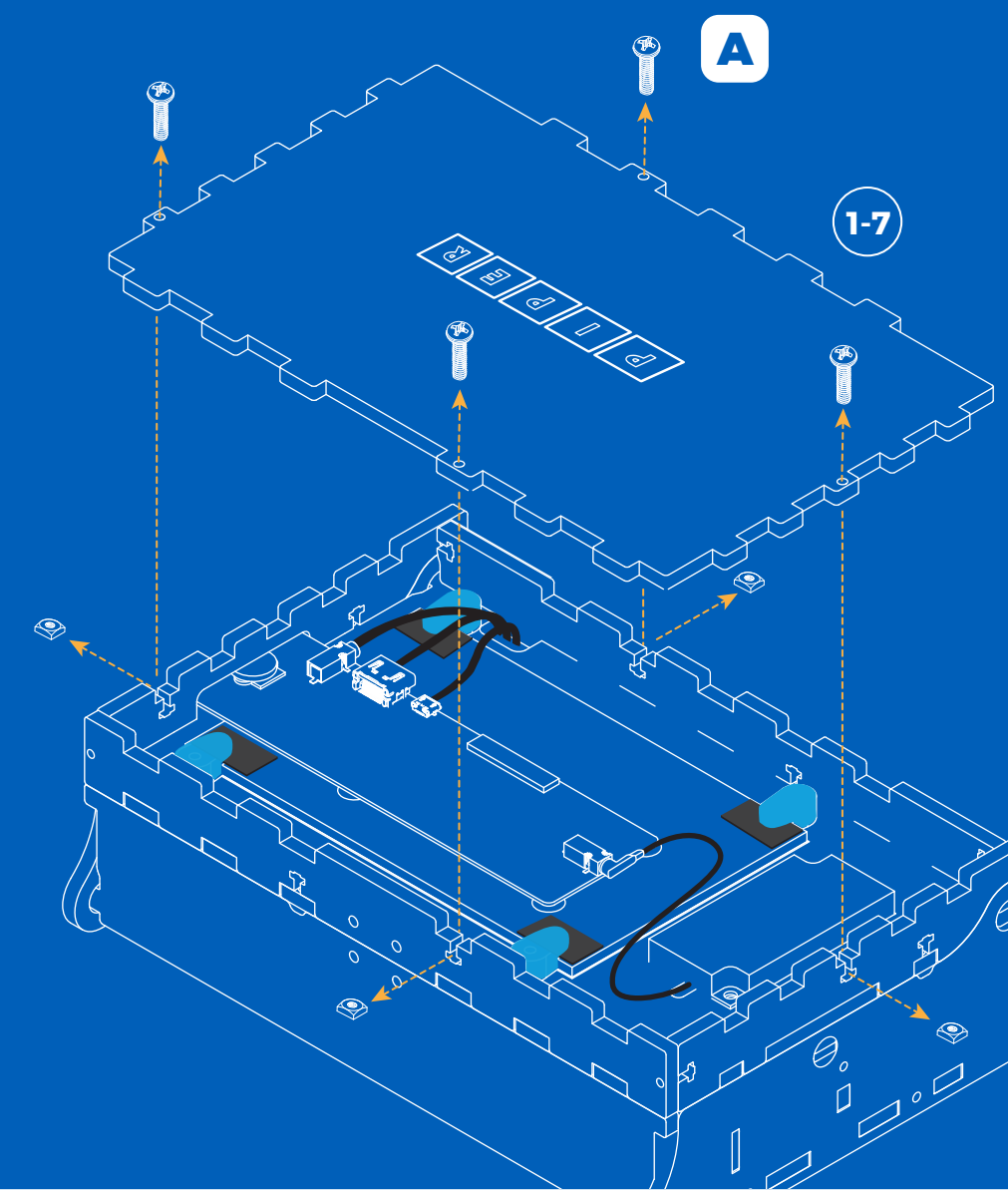


1 ● ○ ○ ○ ○

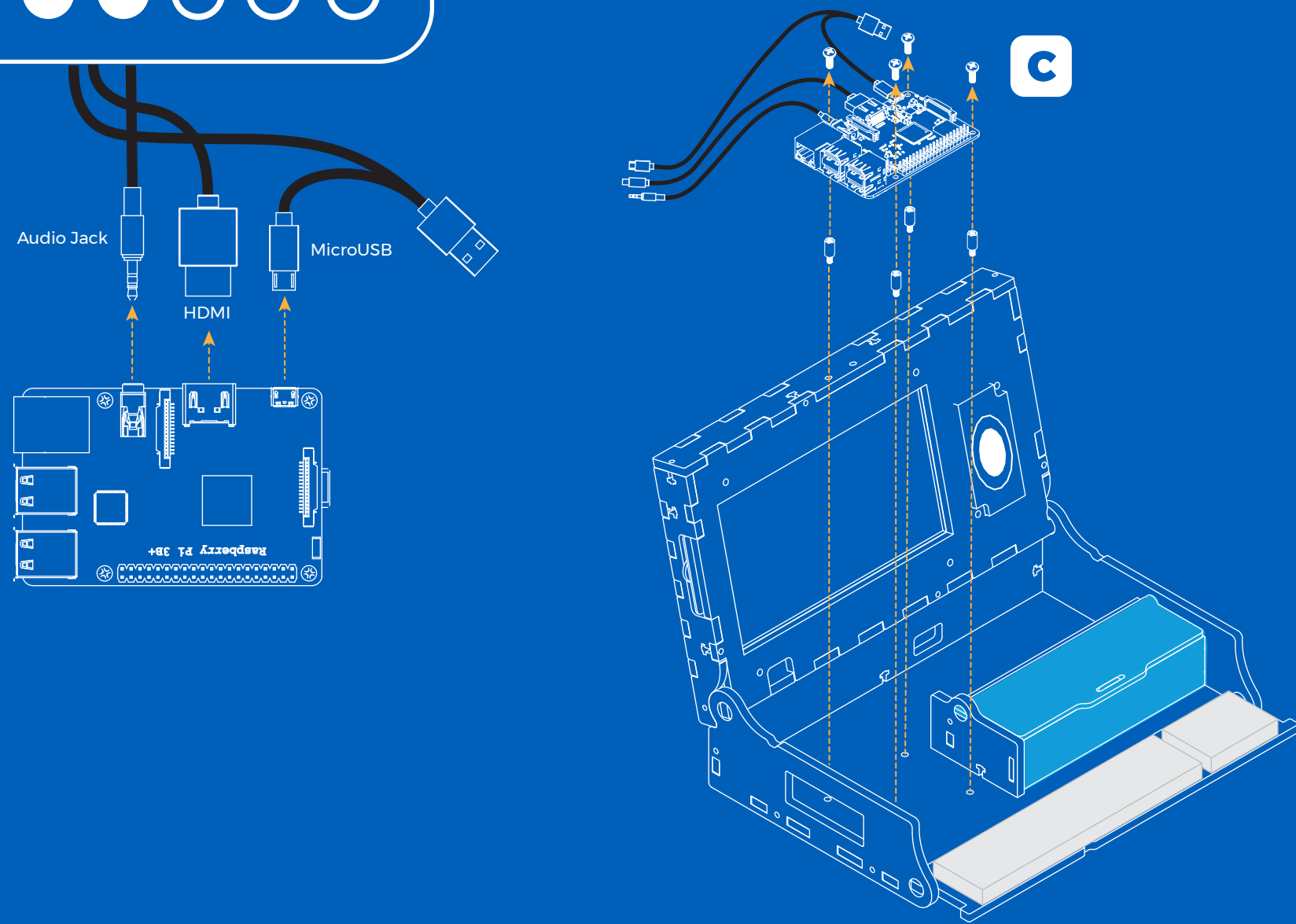
Place each item on its spot on the Components sheet



2.1 ● ○ ○ ○ ○

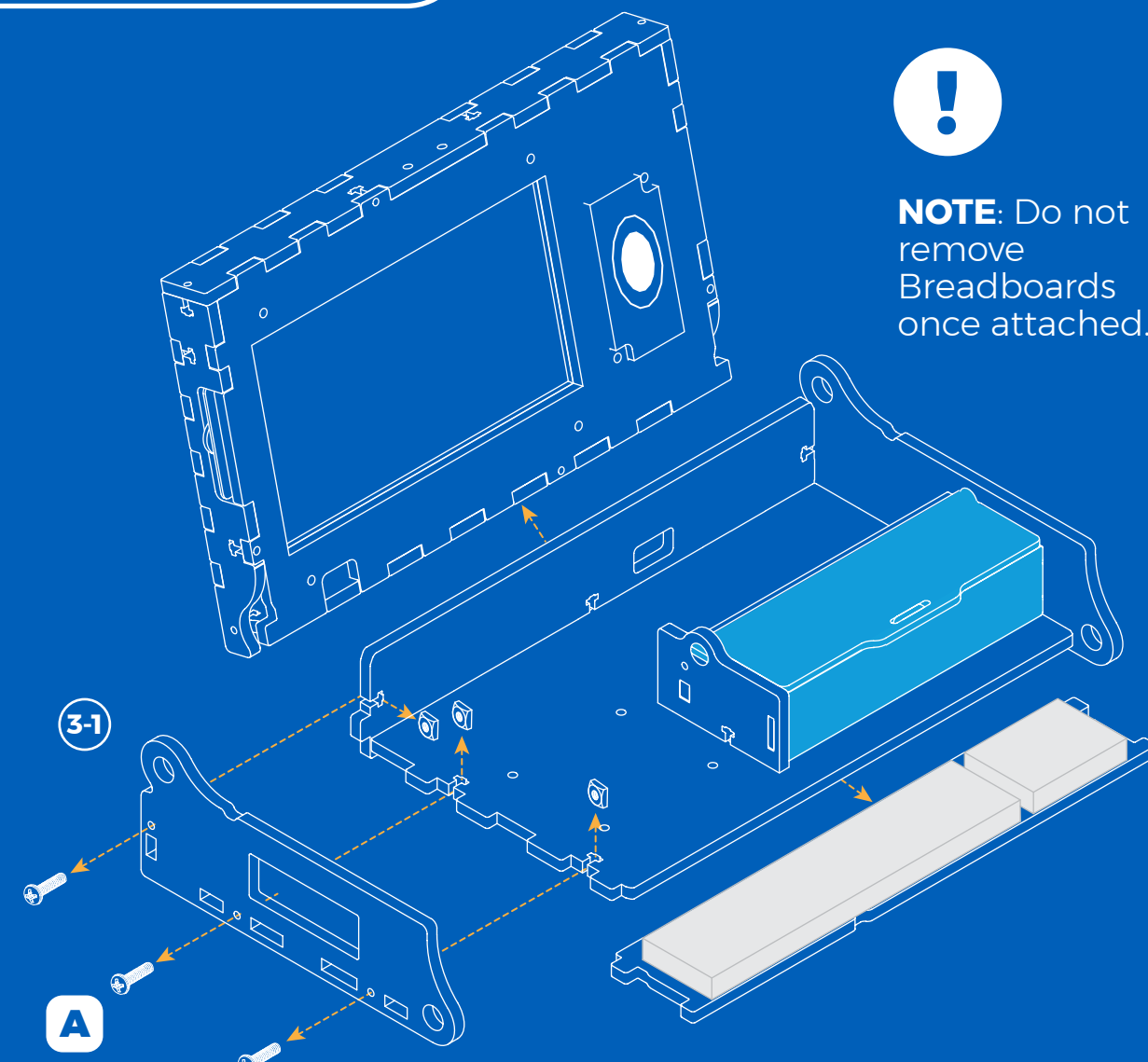


2.2 ● ● ○ ○ ○

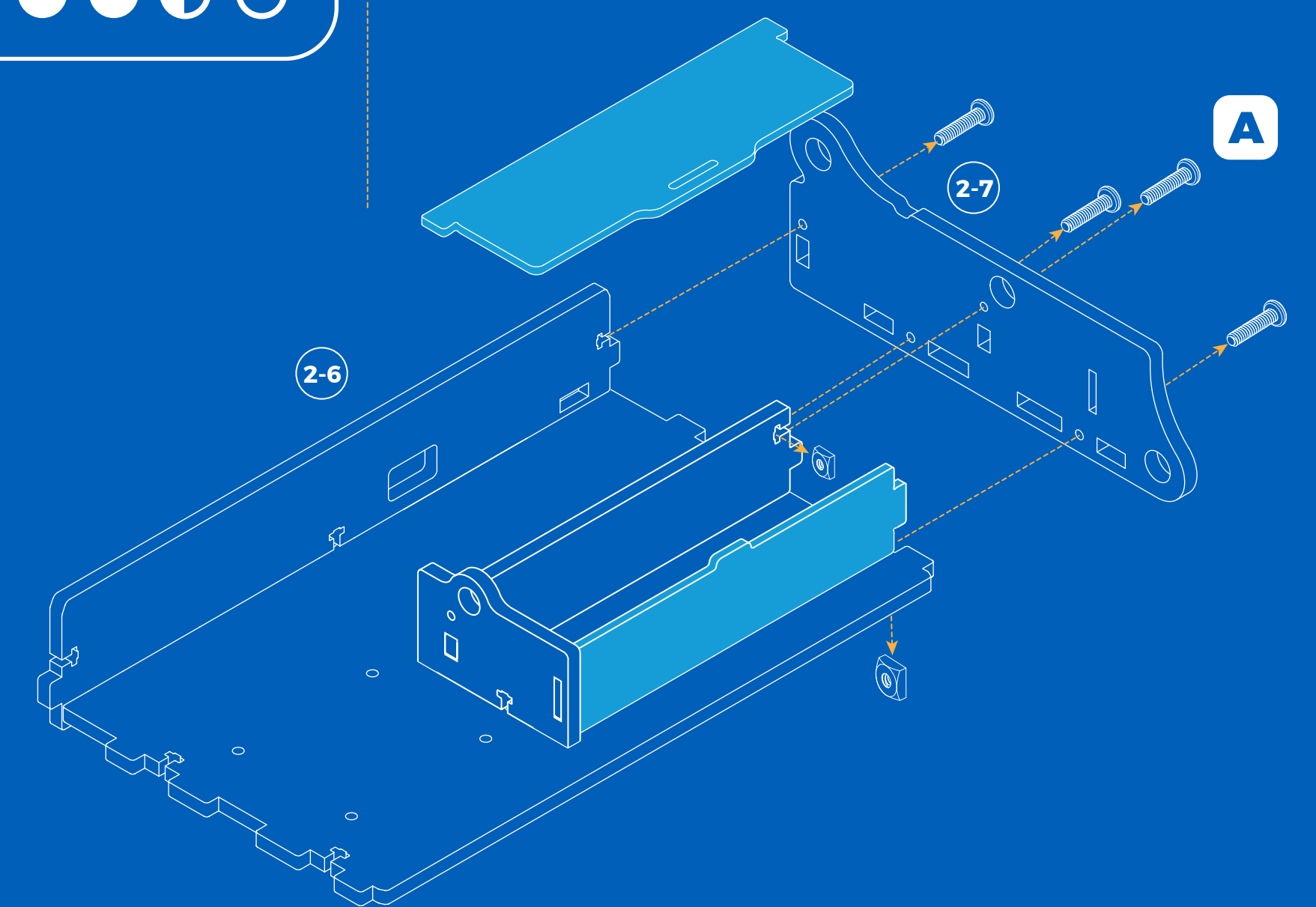


3 ● ● ● ○ ○

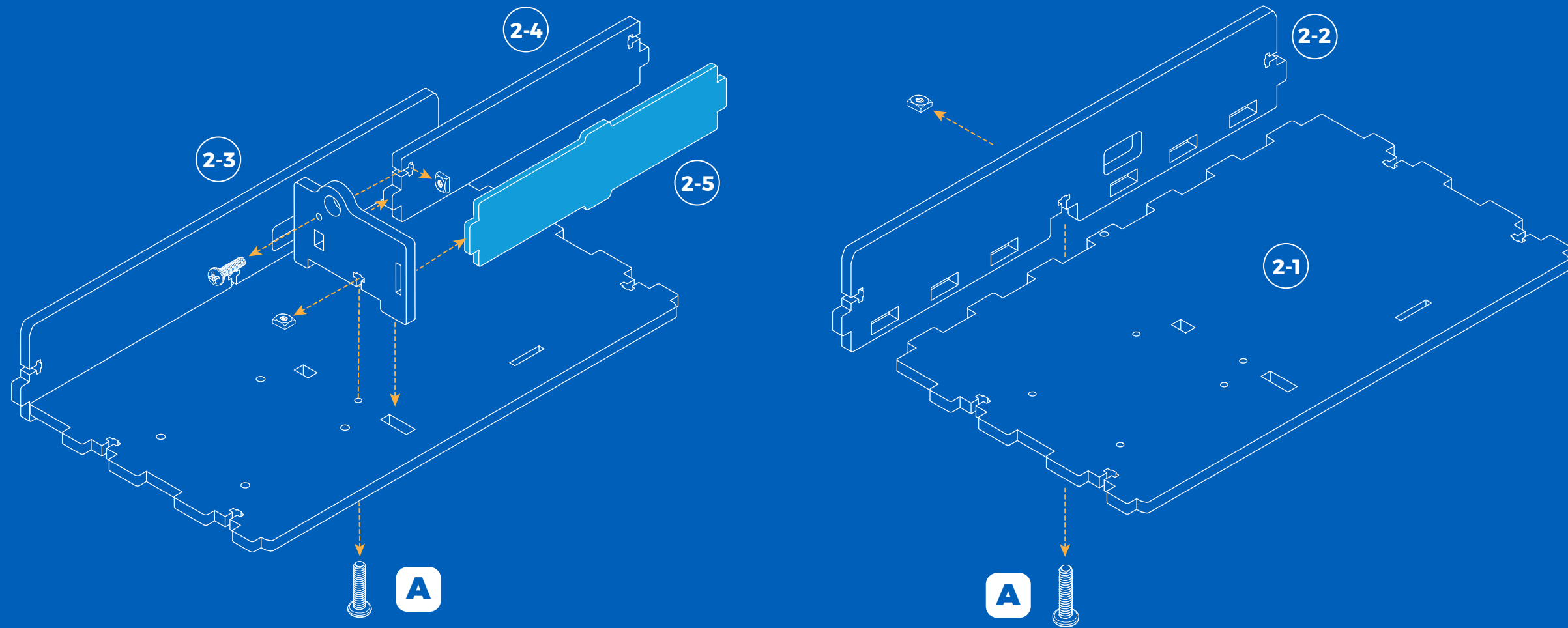
NOTE: Do not remove Breadboards once attached.



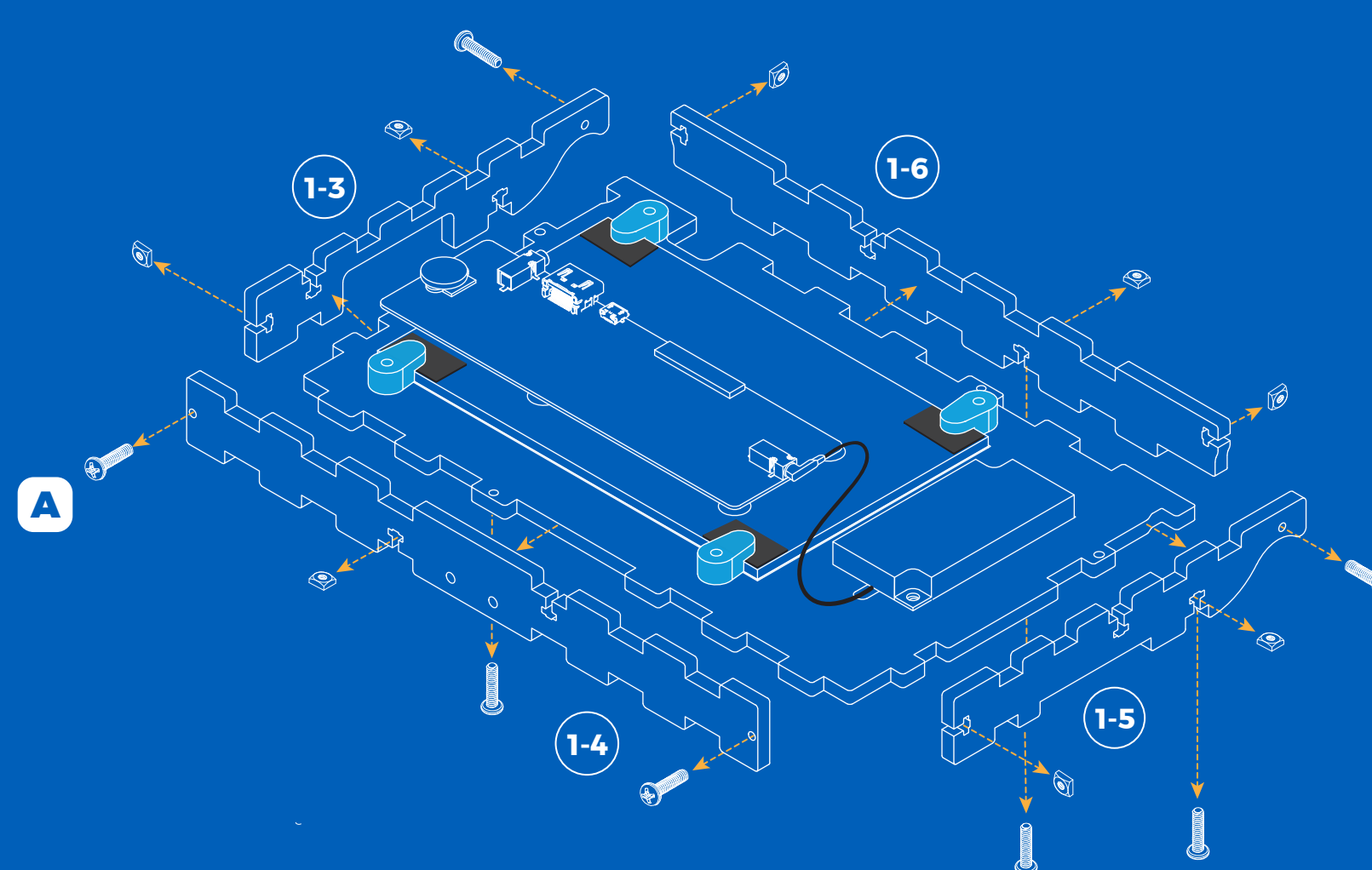
4.1 ● ● ● ● ○



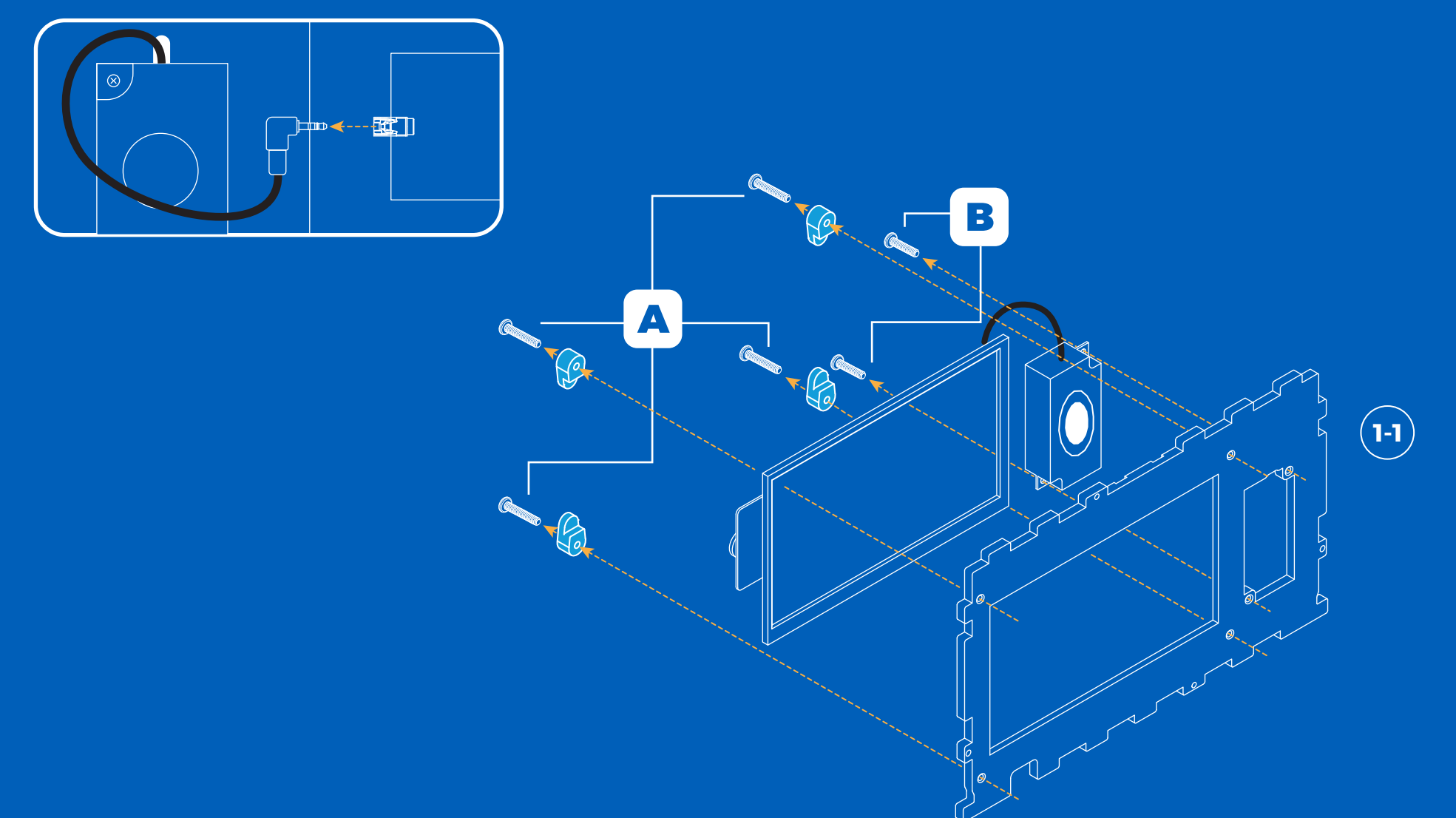
4.2 ● ● ● ● ○

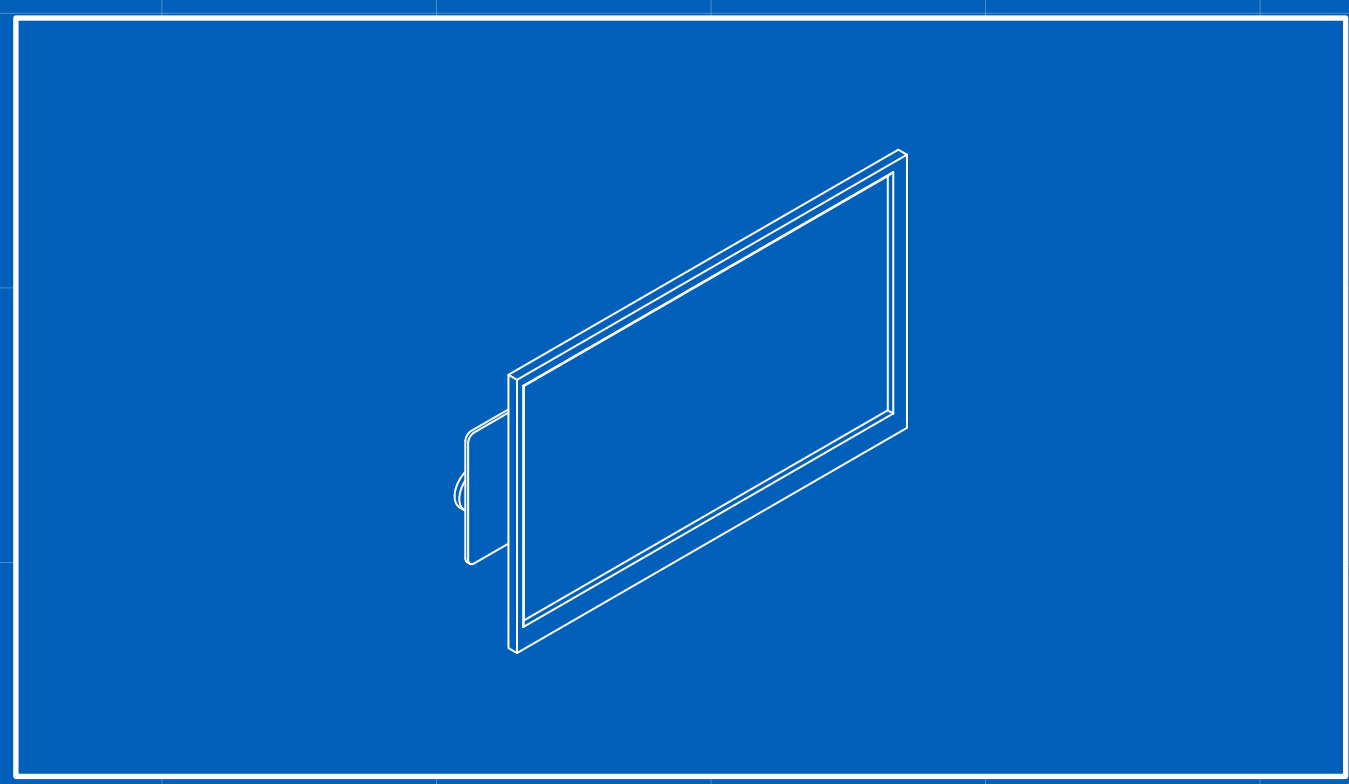


5.1 ● ● ● ● ●

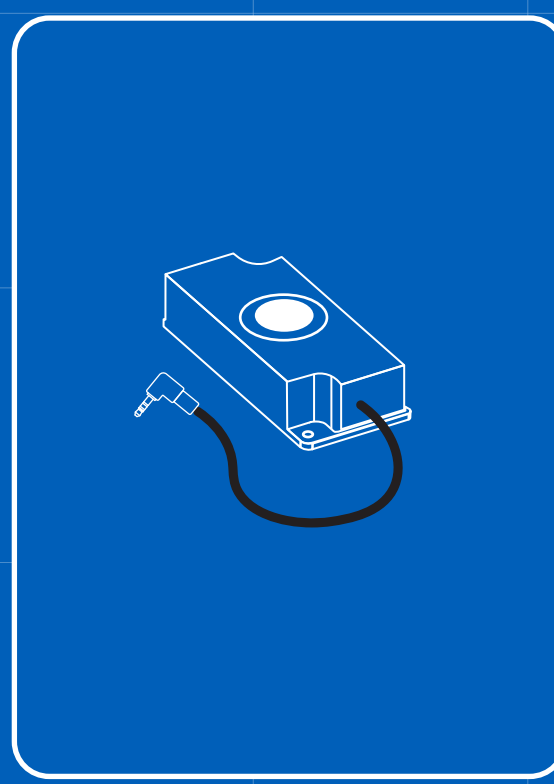


5.2 ● ● ● ● ●

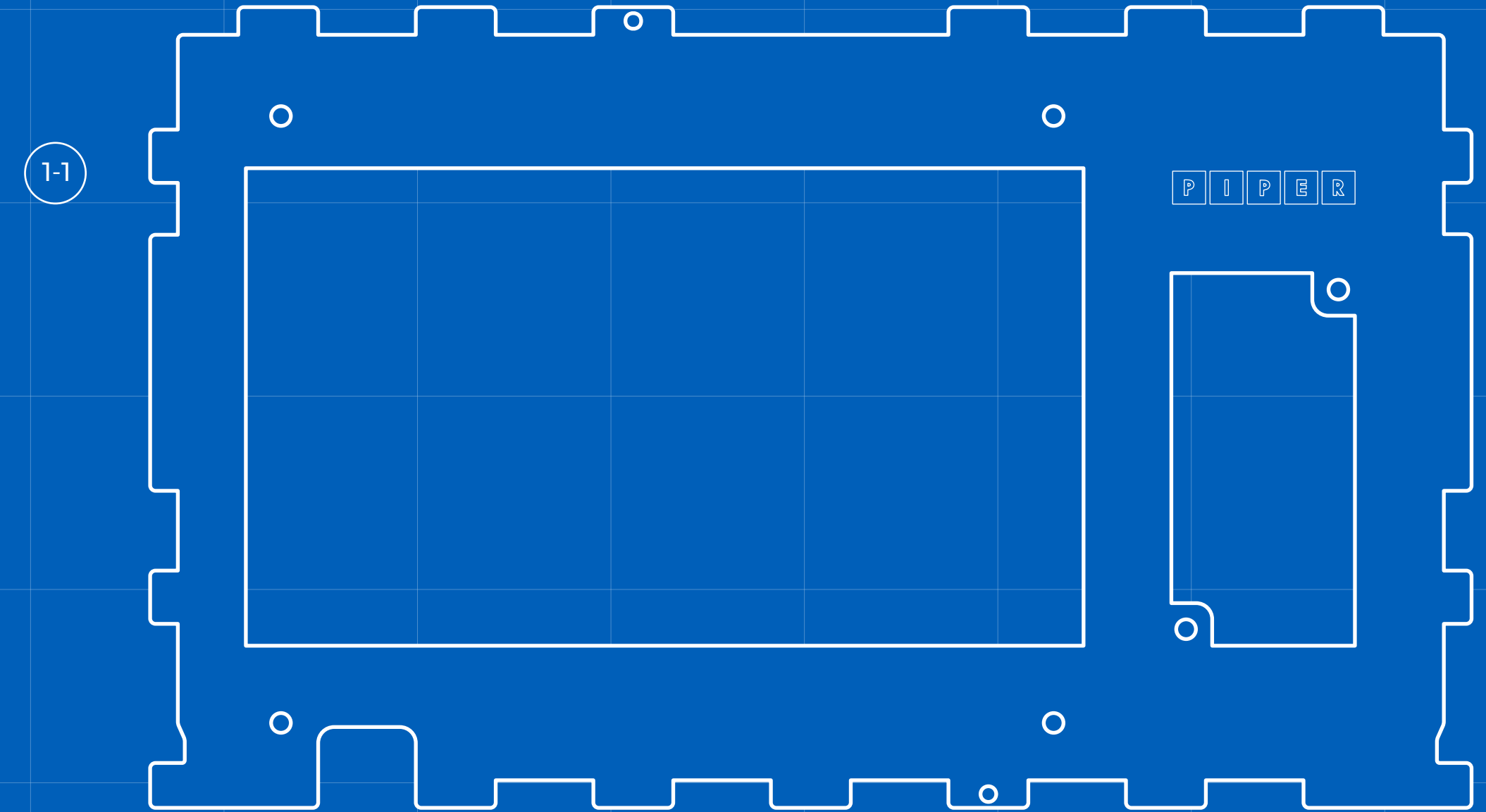




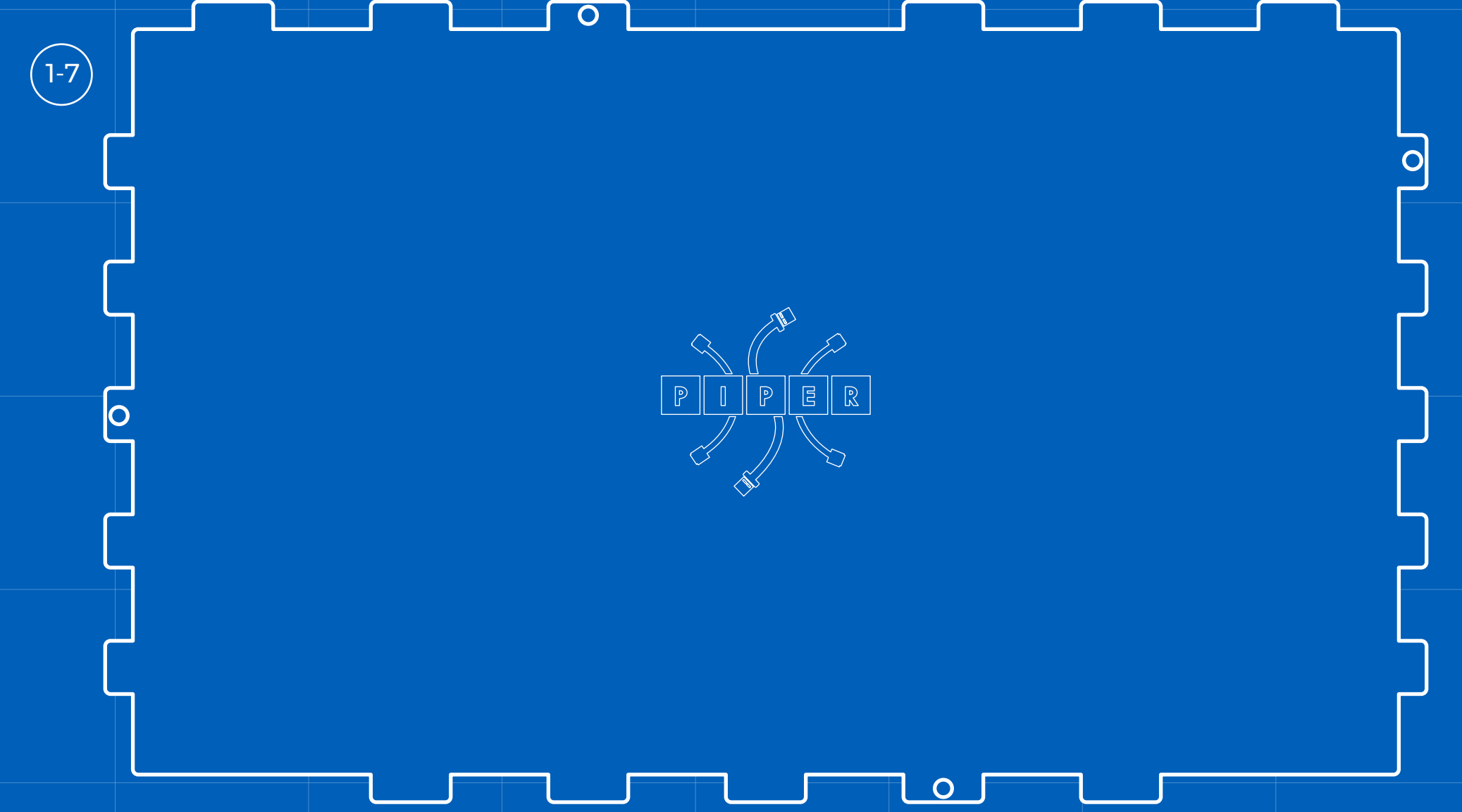
Display x 1



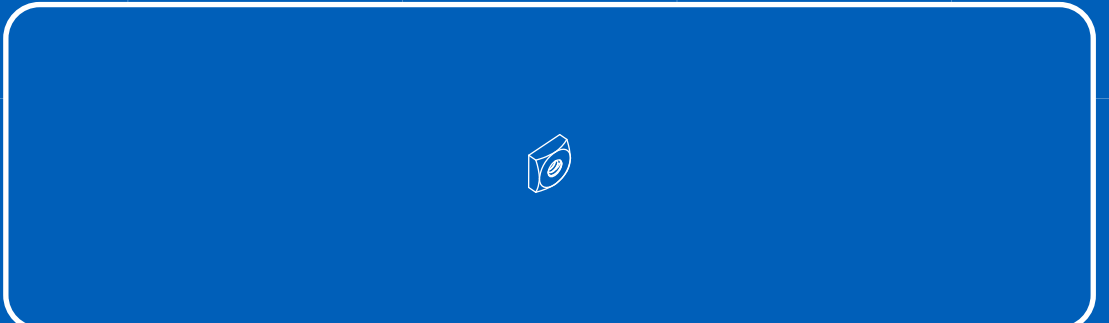
Speaker x 1



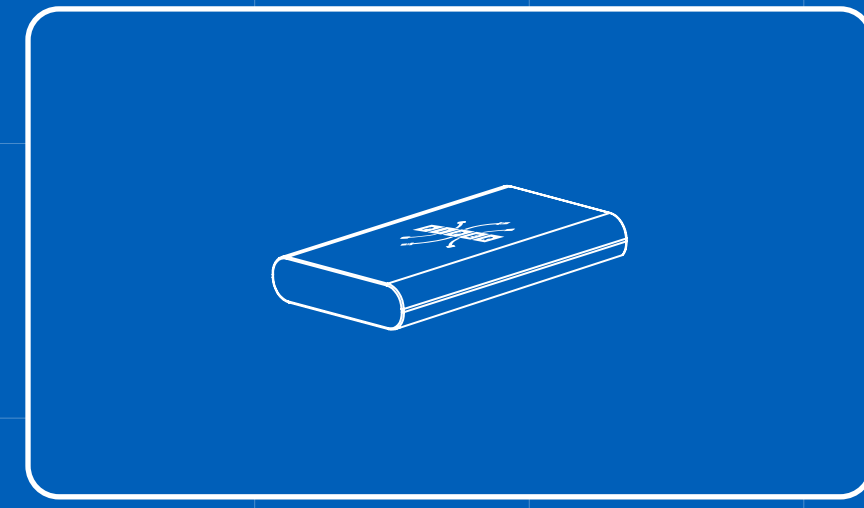
1-1



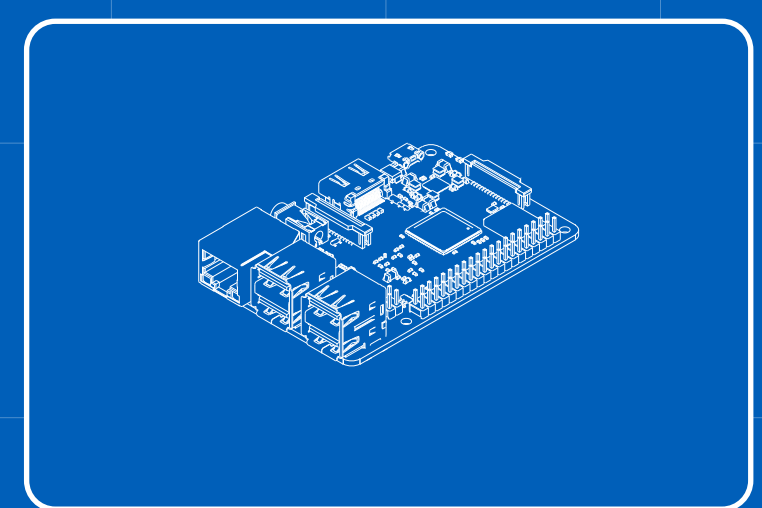
1-7



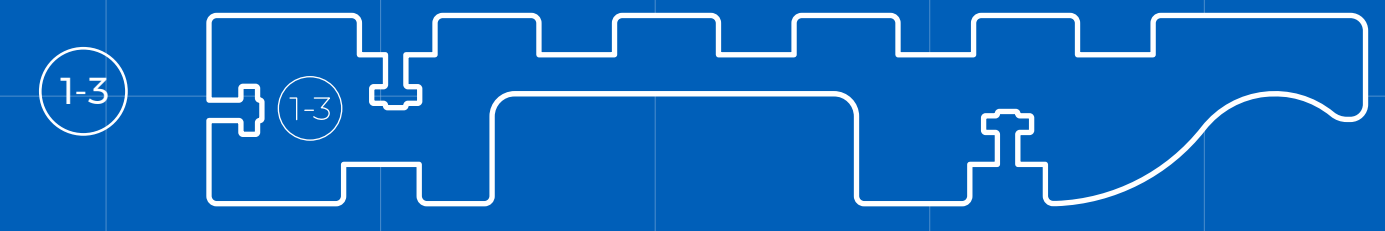
Nuts x 22



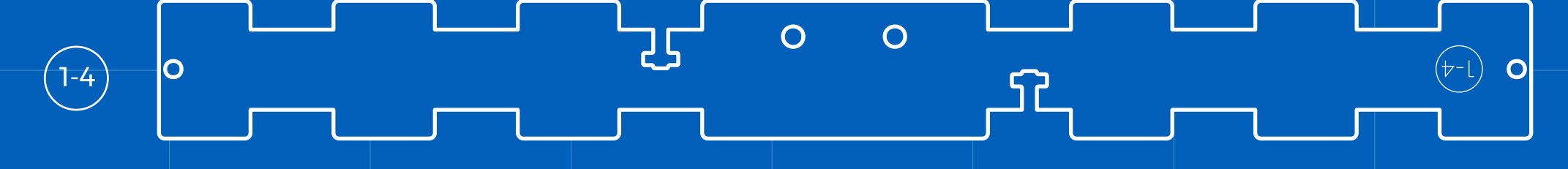
Battery x 1



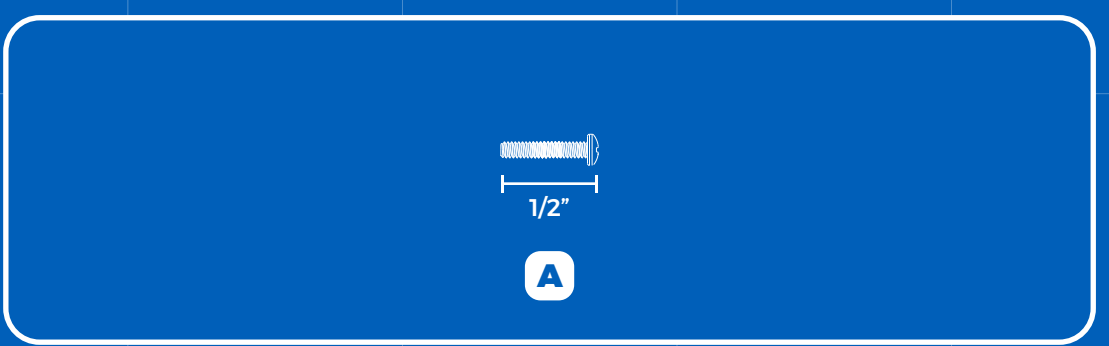
Raspberry Pi x 1



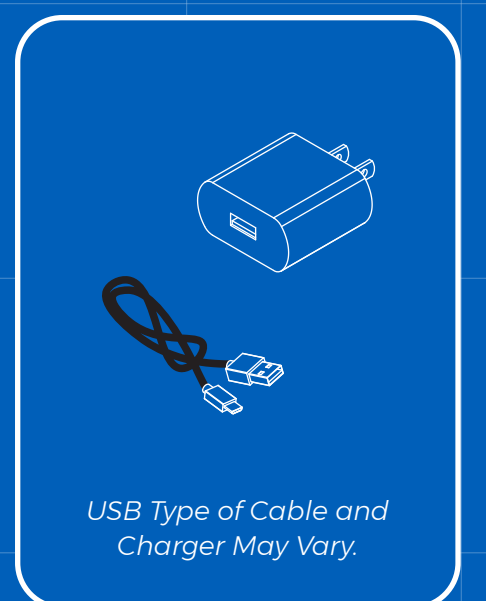
1-3



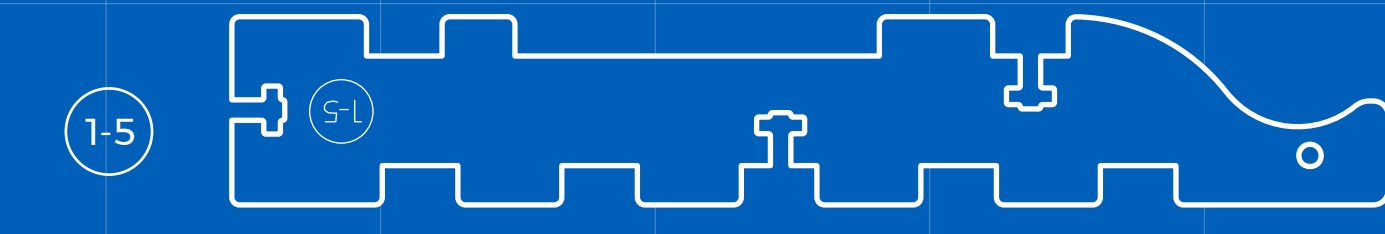
1-4



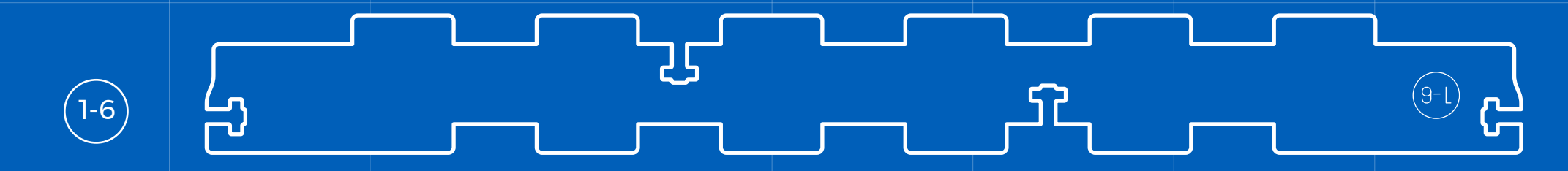
1/2" Screws x 26



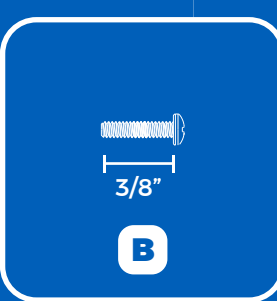
Battery Charger and Cable



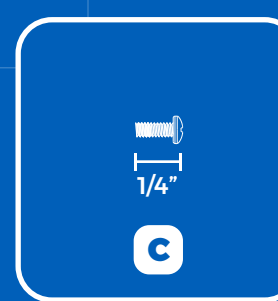
1-5



1-6



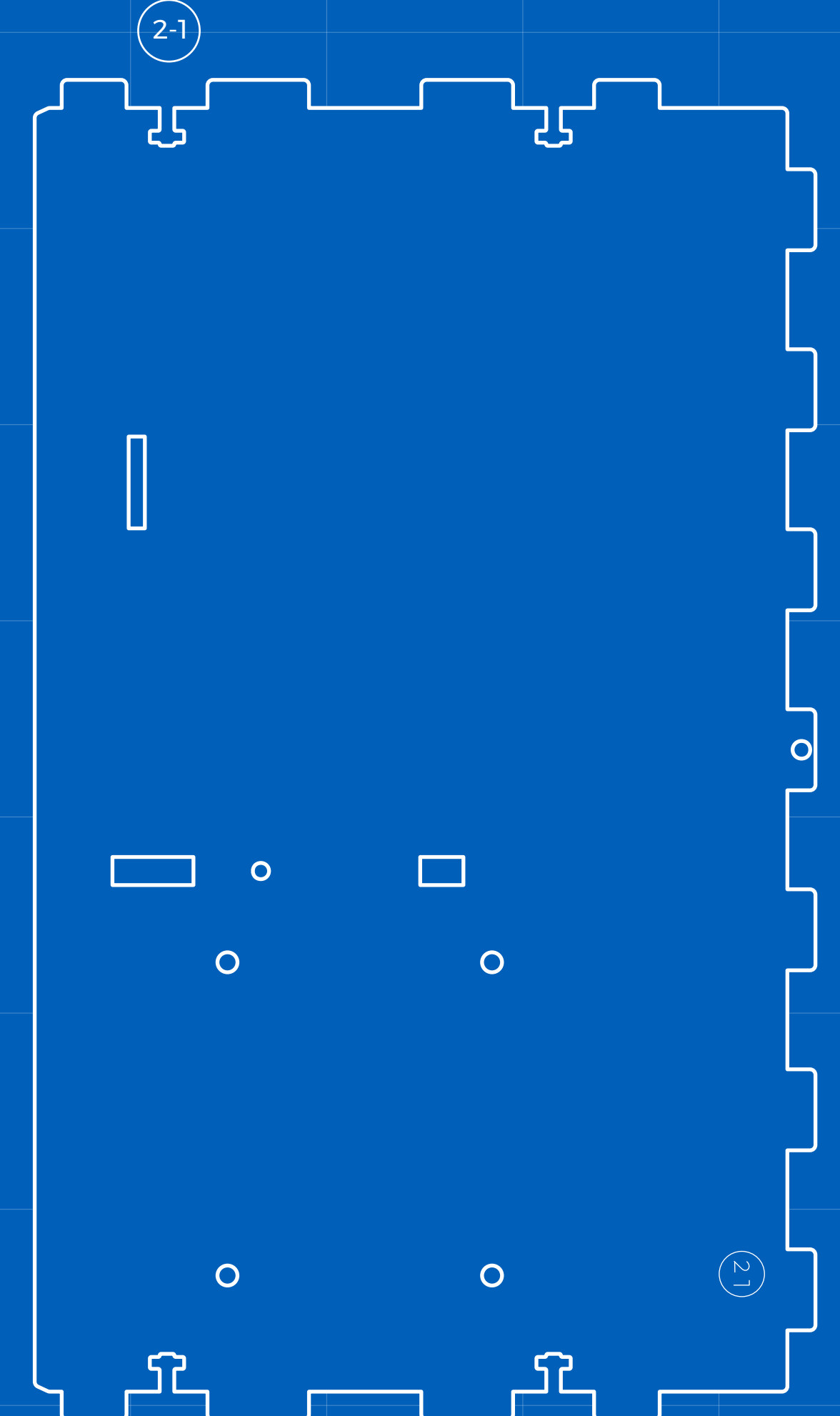
3/8" Screws x 4



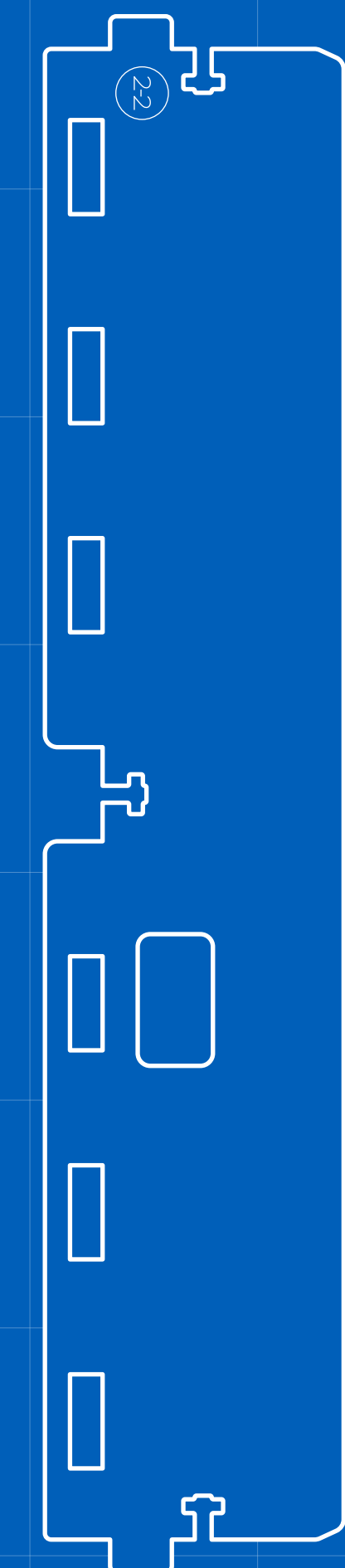
1/4" Screws x 4



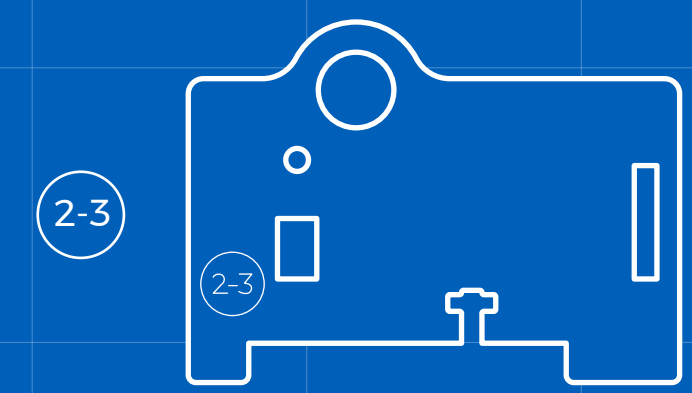
Buttons



2-1



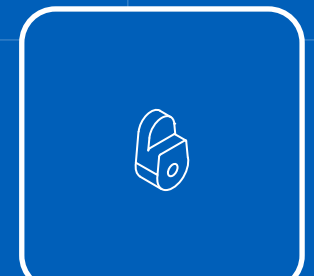
2-2



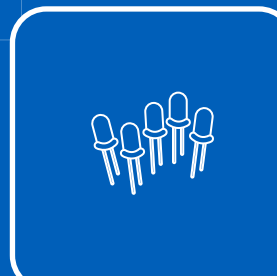
2-3



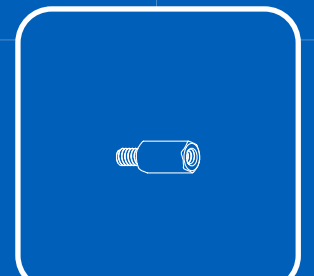
Breadboards x 2



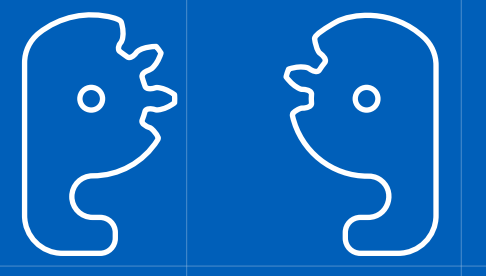
Retainer Clips x 4



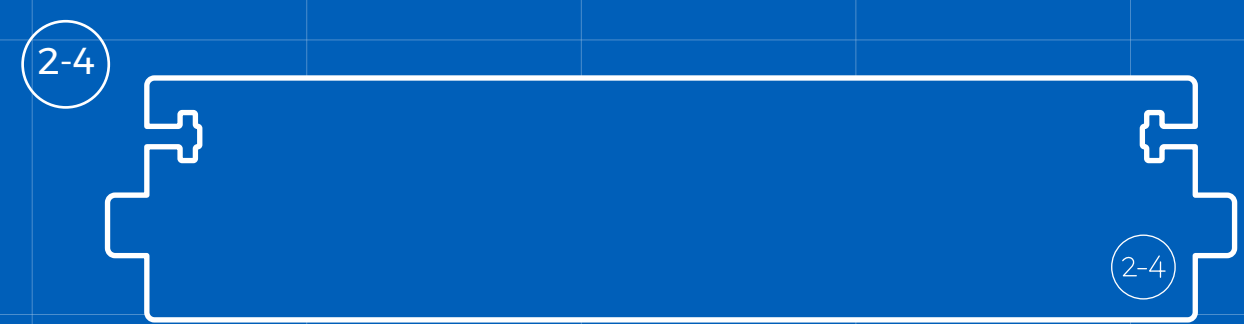
LEDs



Standoffs x 6



Left Latch Right Latch



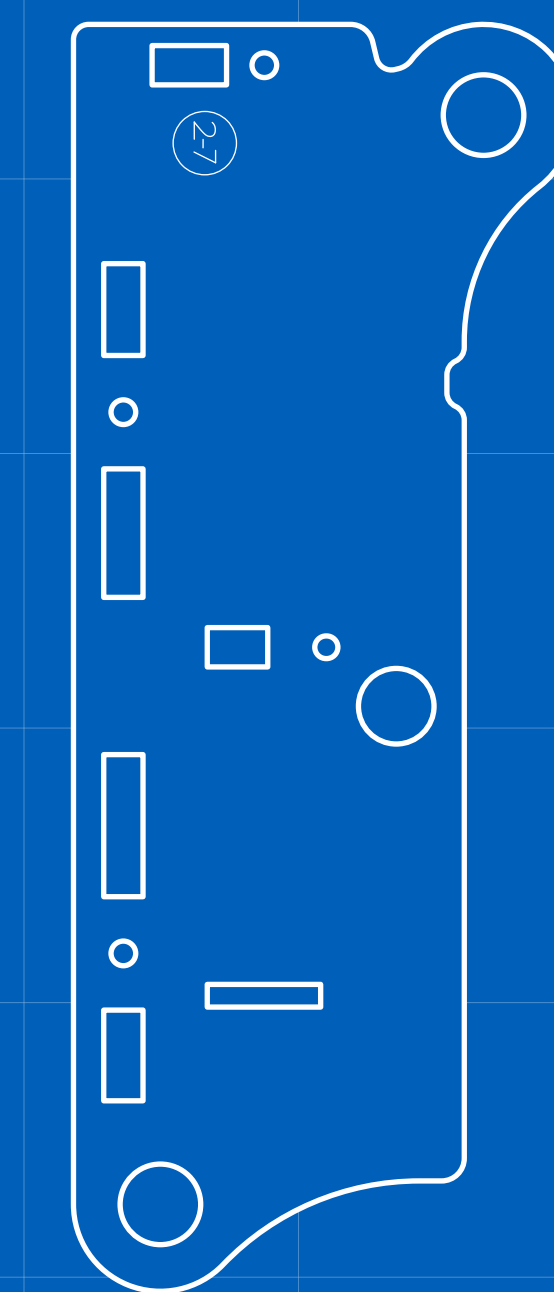
2-4



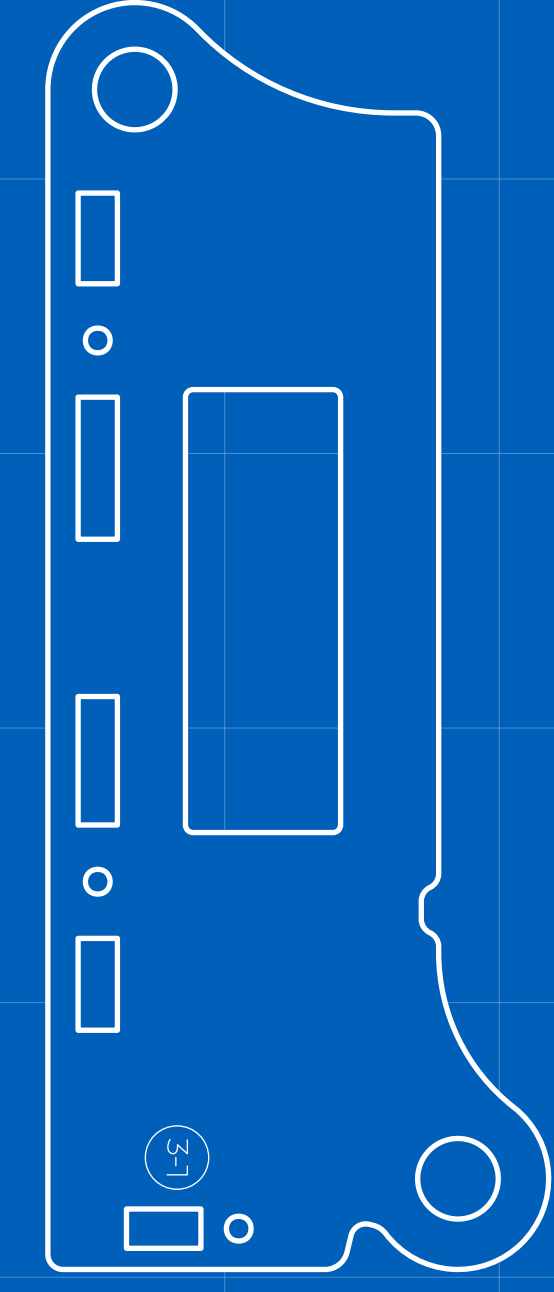
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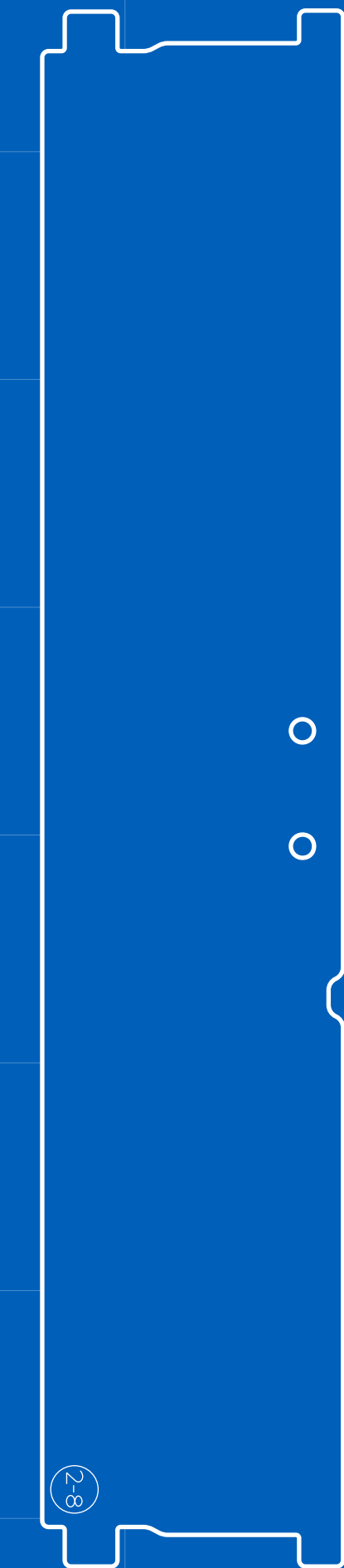
2-6



2-7



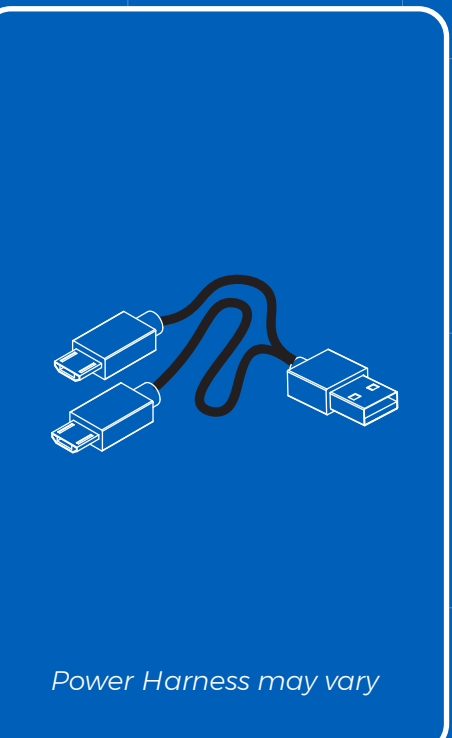
3-1



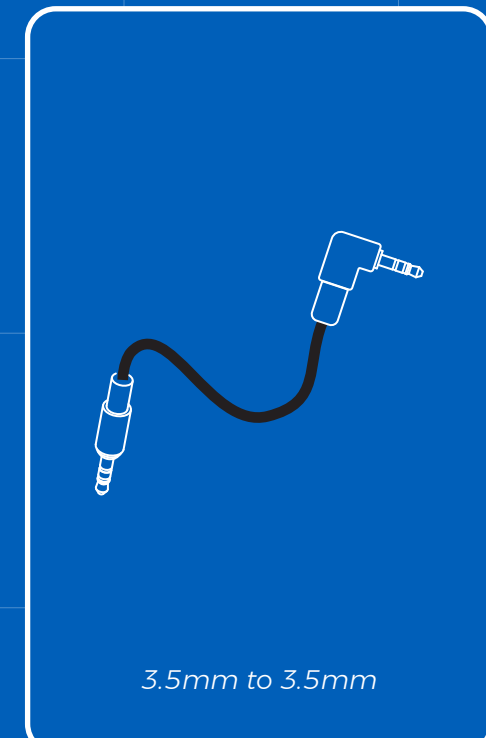
2-8



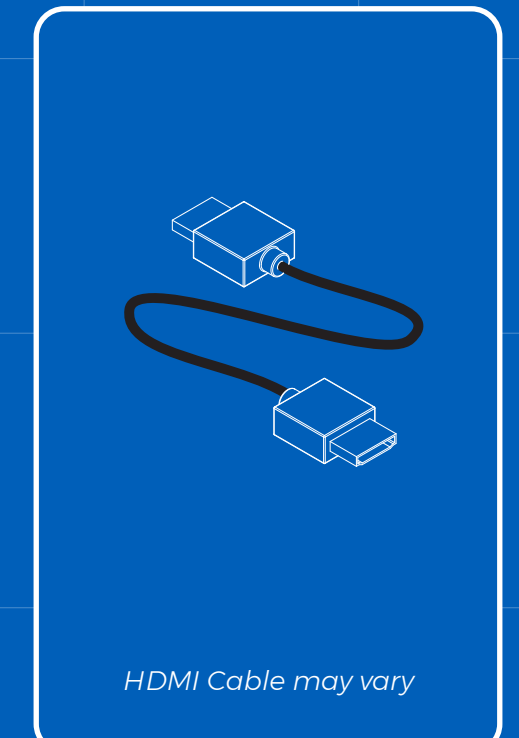
200 mm Jumper Wire x 1



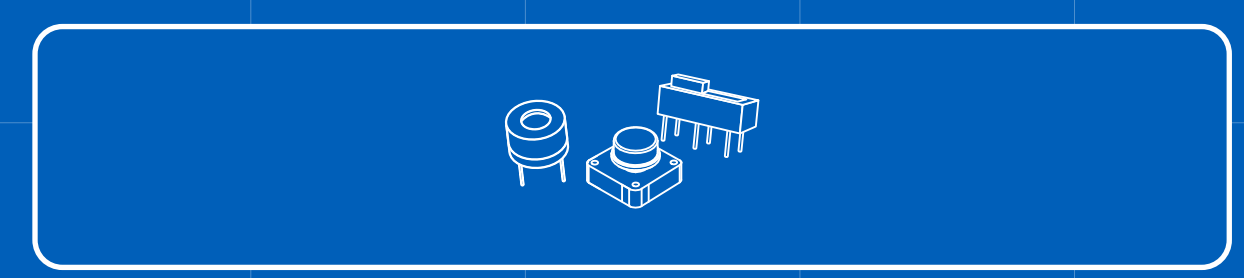
Power Harness x 1



Audio Cable x 1



HDMI Cable x 1



Switches & Buzzers

Piper Computer Kit V4

Gather and organize your supplies

Piper Computer V4 Version 4.2.0