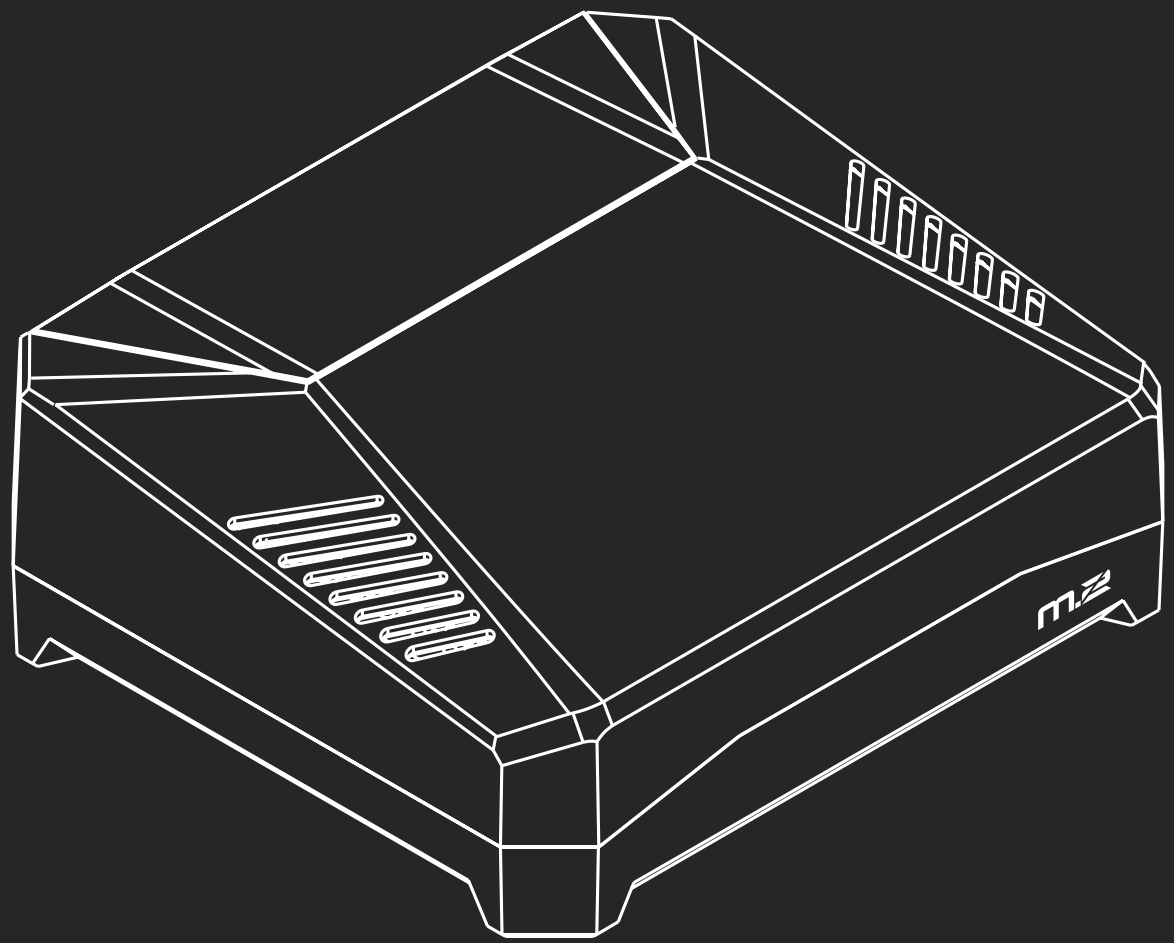
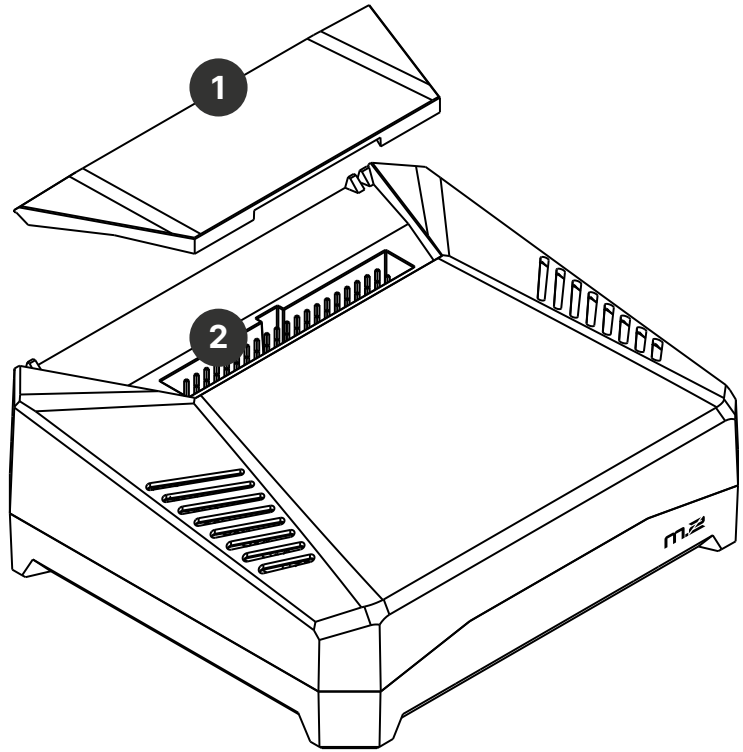
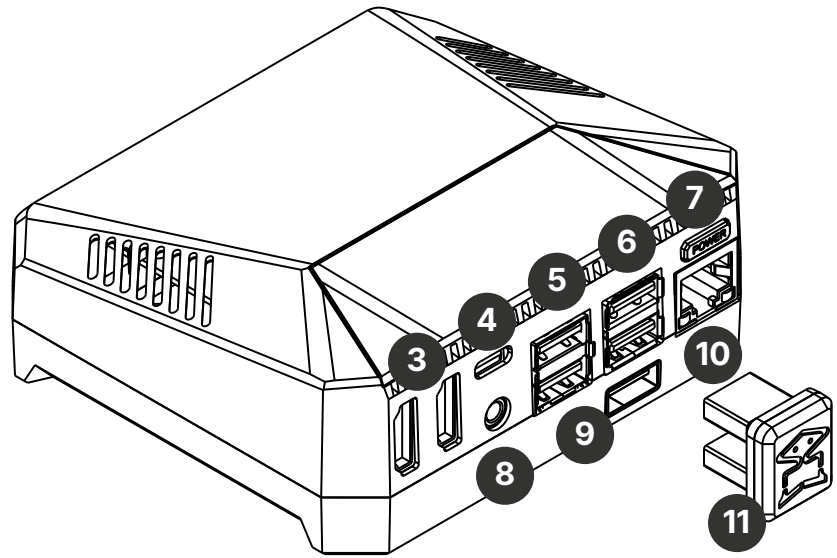
Argon ONE M.2



ARGON ONE M.2 PARTS

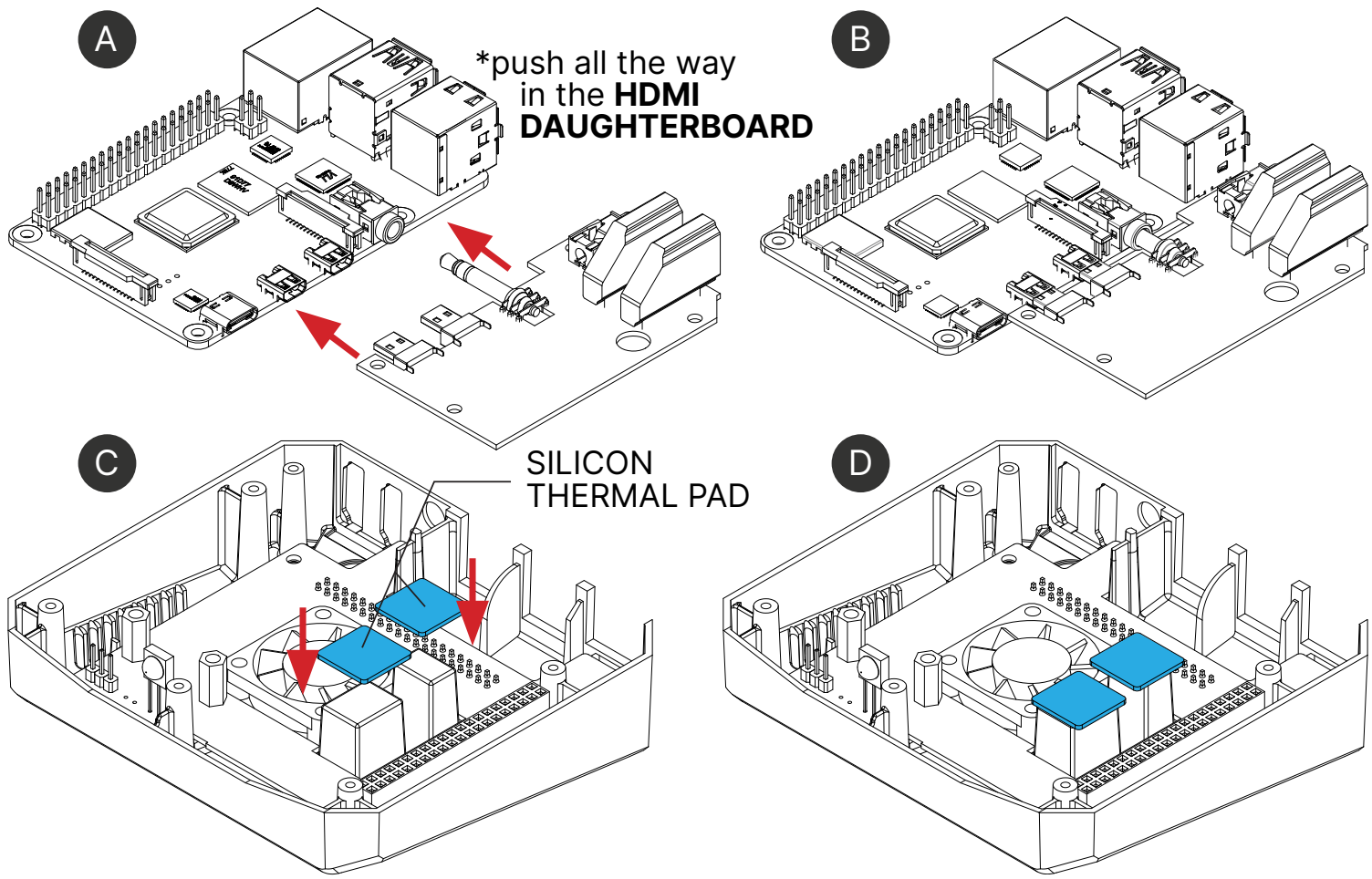




1. Magnetic Removable Top Cover
2. 40 Pin GPIO Access
3. 2 x Type A HDMI
4. USB-C Power In
5. 2 x USB 2.0
6. 2 x USB 3.0
7. Power Button
8. 3.5mm Audio Port
9. M.2 SATA Port
10. Gigabit Ethernet
11. M.2 SATA to USB 3.0 Bridge

ASSEMBLY INSTRUCTIONS

1 Connect Raspberry Pi to HDMI-Audio Board and stick Silicon Thermal Pads.

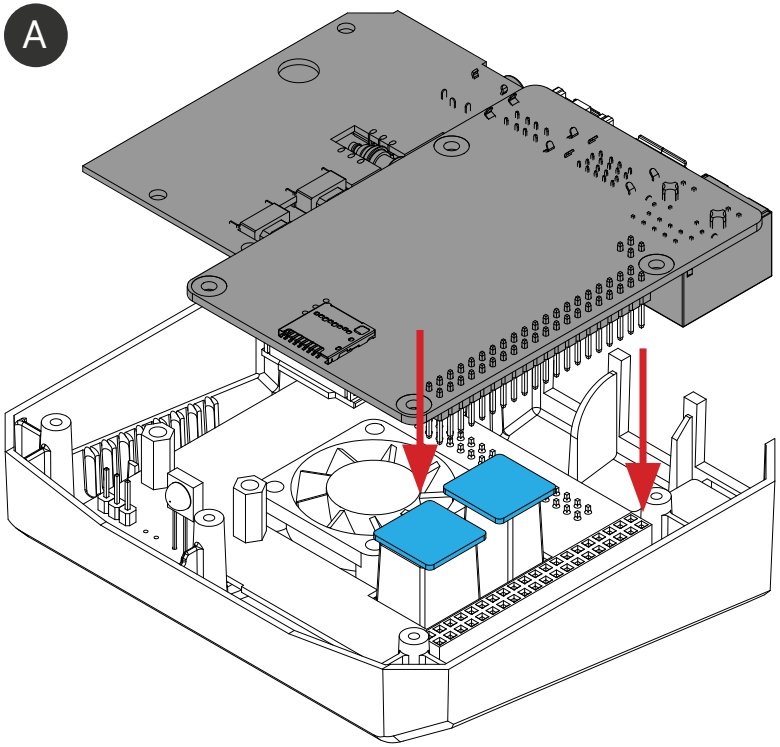


Reminder: Peel off plastic on both sides of the thermal pad

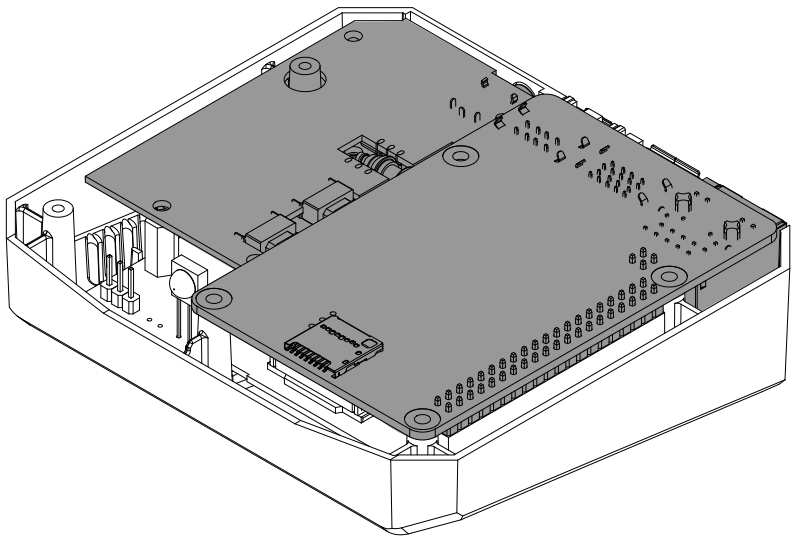
2 Carefully connect Raspberry Pi GPIO to Power and Cooling Board.

> Please make sure that the microSD Card is NOT inserted to the Raspberry Pi during assembly.

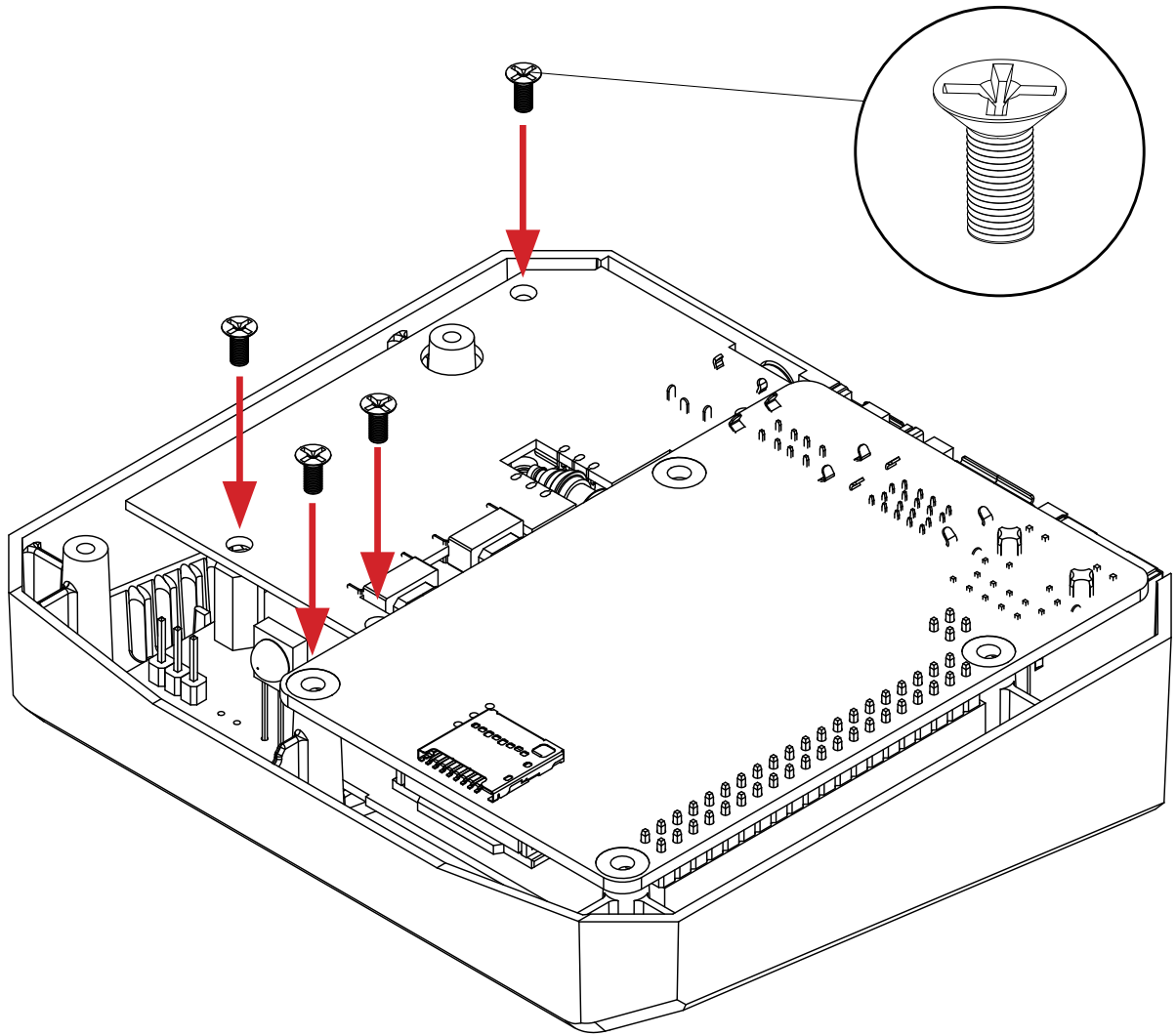
A



B



3 Use shorter **flat head screws** to fasten Raspberry Pi and HDMI Board assembly to top case.

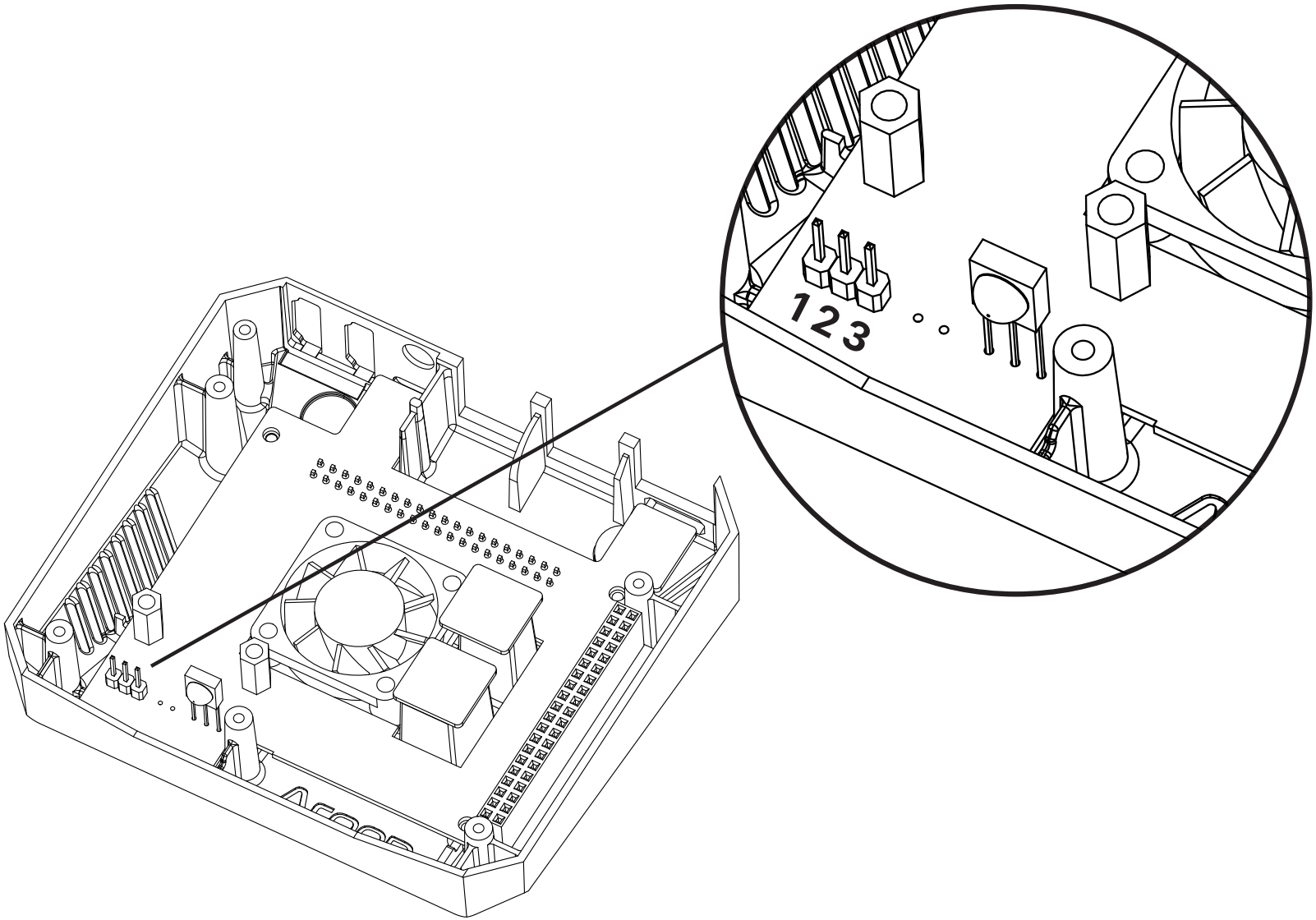


4 Select the **Argon ONE M.2** Power Button Management Mode:

JUMPER PIN SETTING	MODE	BEHAVIOUR
Pin 1-2	Default Setting (Mode 1)	You need to PRESS button to Power ON from shutdown or power outage.
Pin 2-3	Always ON (Mode 2)	Power current will flow directly to Raspberry Pi. NO need to PRESS button to power ON from power outage

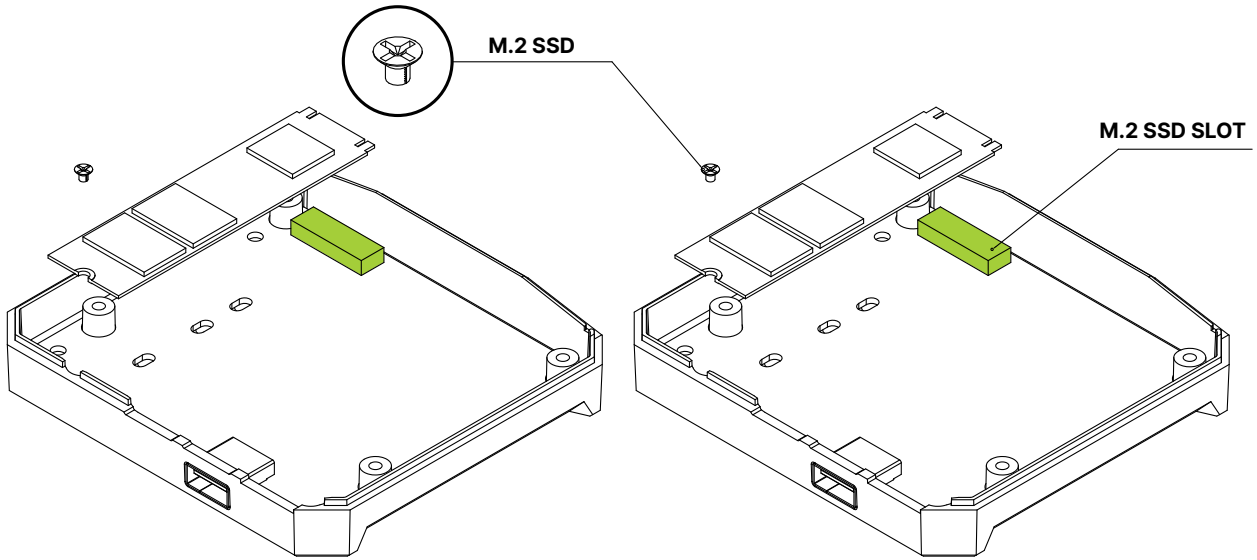
see Next Page

ARGON ONE M.2 JUMPER PIN SETTING



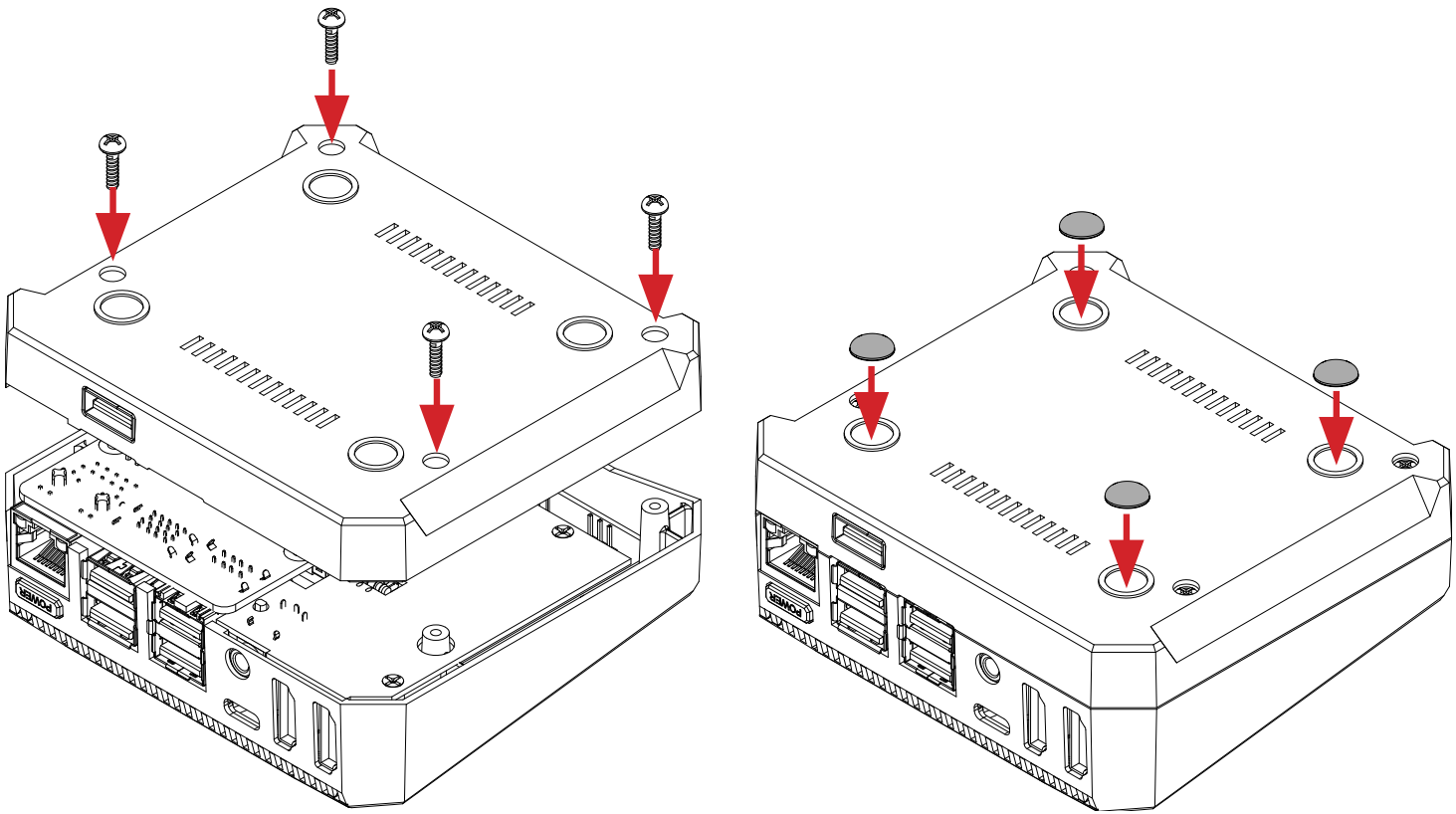
5 Connect your **M.2 SATA SSD** to the **Argon ONE M.2 SATA Expansion Board**. This Board will accept **M.2 Key B** and **M.2 Key B+M** SATA Storage Drive.

*This Board is **NOT** compatible with M.2 NVME Storage Drives.



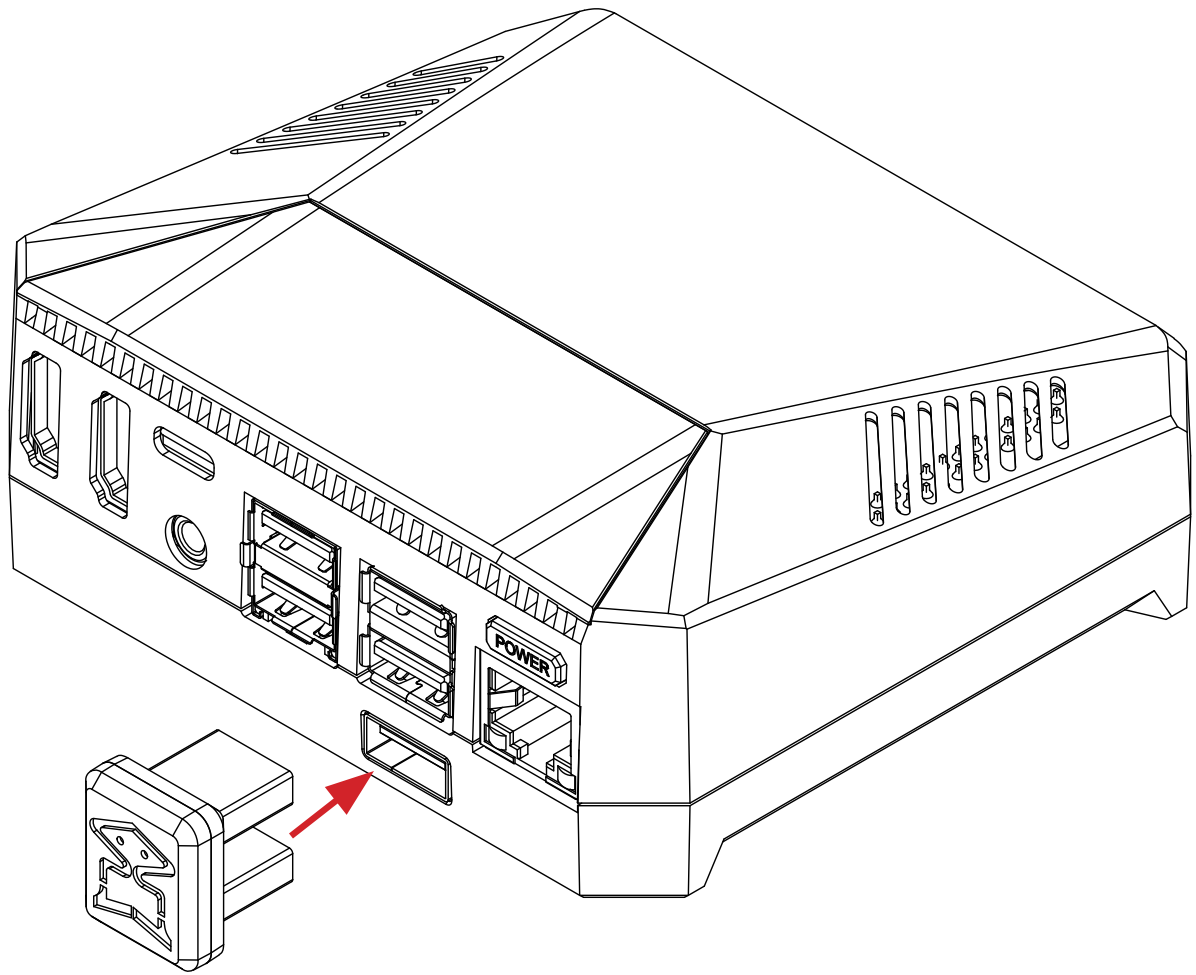
Secure your **M.2 Drive** to the **Argon ONE M.2 Expansion Board**. You may move the screw point on the Board to the appropriate size of your Storage Drive.

6 Insert your **microSD Card** to your Raspberry Pi before assembly of the **Argon ONE M.2** bottom plastic cover.

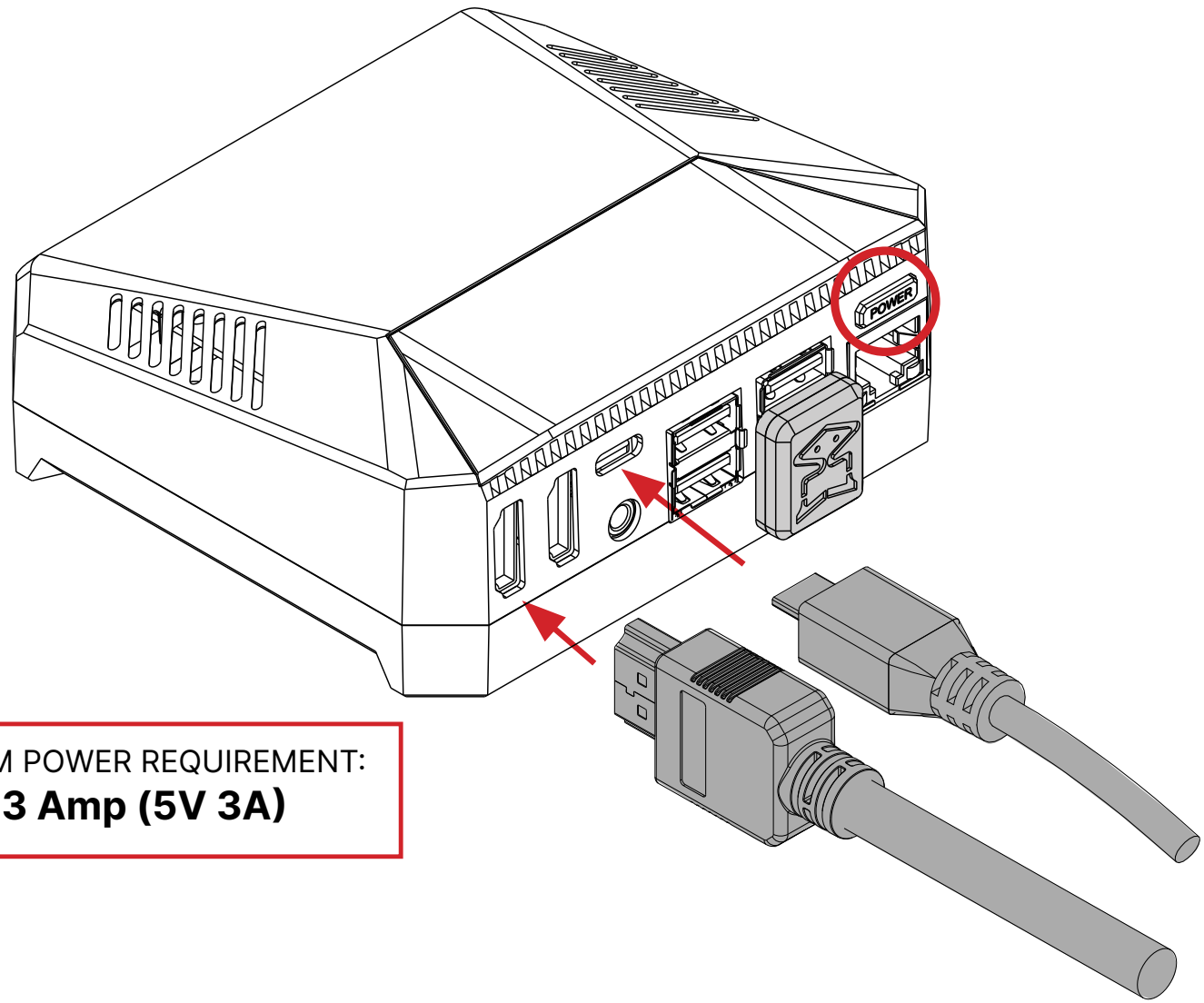


Use longer **round head screws** to fasten bottom cover and place **rubber footings**.

7 After assembly of the **Argon ONE M.2** case, connect the **USB 3.0 Bridge** at the back of the case with the **Argonaut Alien** standing upright similar to the image.



8 Connect the cables at the Back. Do not forget to **PRESS** the Power Button to **Turn ON**.



MINIMUM POWER REQUIREMENT:
5 Volt, 3 Amp (5V 3A)

HOW TO INSTALL ARGON ONE PI 4 V2 POWER BUTTON & FAN CONTROL

1. Connect to the internet.
2. Open “Terminal” in Raspbian.
3. Type the text below in the “Terminal” to initiate installation of **Argon ONE Pi 4** script.

```
curl https://download.argon40.com/argon1.sh | bash
```

4. Reboot.

ARGON ONE PI 4 V2
POWER BUTTON FUNCTIONS

The process above will automatically install the configuration that will activate the **Argon ONE Pi 4** Power Button with the following functions.

ARGON ONE Pi 4 STATE	ACTION	FUNCTION
OFF	Short Press	Turn ON
ON	Long Press (>= 3 s)	Soft Shutdown and Power Cut
ON	Short press (<3 s)	Nothing
ON	Double tap	Reboot
ON	Long Press (>= 5 s)	Forced Shutdown

ARGON ONE PI 4 V2 FAN SPEED

Upon installation of the **Argon ONE Pi 4** script by default, the settings of the **Argon ONE Pi 4** cooling system are as follows:

CPU TEMP	FAN POWER
55 C	10%
60 C	55%
65 C	100%

However, you may change or configure the FAN to your desired settings by clicking the **Argon ONE Pi 4** Config icon on your Desktop.

Or via “Teminal” by typing and following the specified format:

```
argonone-config
```

UNINSTALLING ARGON ONE PI 4 V2 SCRIPT

To uninstall the **Argon ONE Pi 4** script you may do so by clicking the **Argon ONE Pi 4** Uninstall icon on your Desktop.

You may also remove the script via “Terminal” by typing:

```
argonone-uninstall
```

Always reboot after changing any configuration or uninstallation for the revised settings to take effect.

BUILT-IN INFRARED RECEIVER

The latest version has a programmable Infrared Receiver installed that can turn ON and OFF the device using the proprietary Argon 40 remote.

To configure the **Infrared Receiver ON/OFF signal of Argon ONE V2 and M.2** type in the Terminal App:

```
argonone-ir
```

Then follow the instructions indicated.

For more information please visit:

https://www.argon40.com/learn/