Arcade-C-2P组装图

4 Acrylic panel

6 Arcade Game HAT (B)

7 TF-Card for Arcade Game HAT (B)

8 Joystick

SELECT START ARTICADE SELECT START

B X Y B X Y

A L1 R1 A L1 R1

5 Alloy bottom case

2 Micro SD Card 16GB

1 Raspberry Pi 3 Model B+

18 Rocker switch

3 5V 3A

19 Spiral wire wrap tube

9 Blue buttons with LED

17 Ribbon cable

20 Rubber feet

14 Arcade joystick/button wires pack

16 16PIN FFC (opposite side contact)

10 4Ω 3W speaker

21 Screwdriver

11 HDMI cable (1.5m)

13 Arcade power wire

12 HDMI cable (0.5m)

15 Dual plug audio cable

1 **2** **3** **4** **5** **6** **7** **8**

Screws Pack

1 Screw PM3*12

2 Screw M4*8

3 Standoff M2.5*10

4 Nut M4

5 Screw M2.5*5

6 Screw M3*8

7 Standoff M2.5*10+6

8 Standoff M3*20

Firstly remove the
protective film

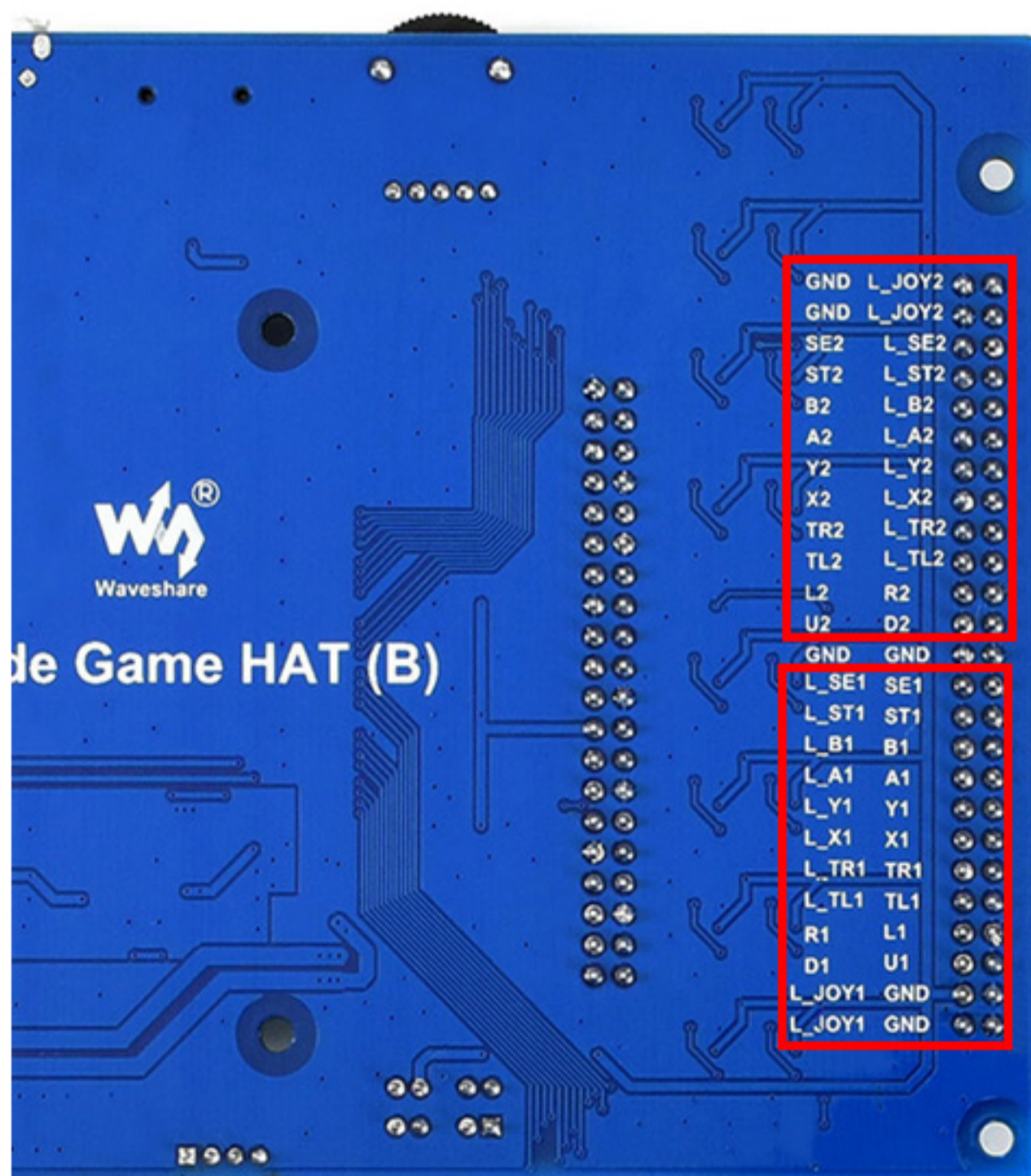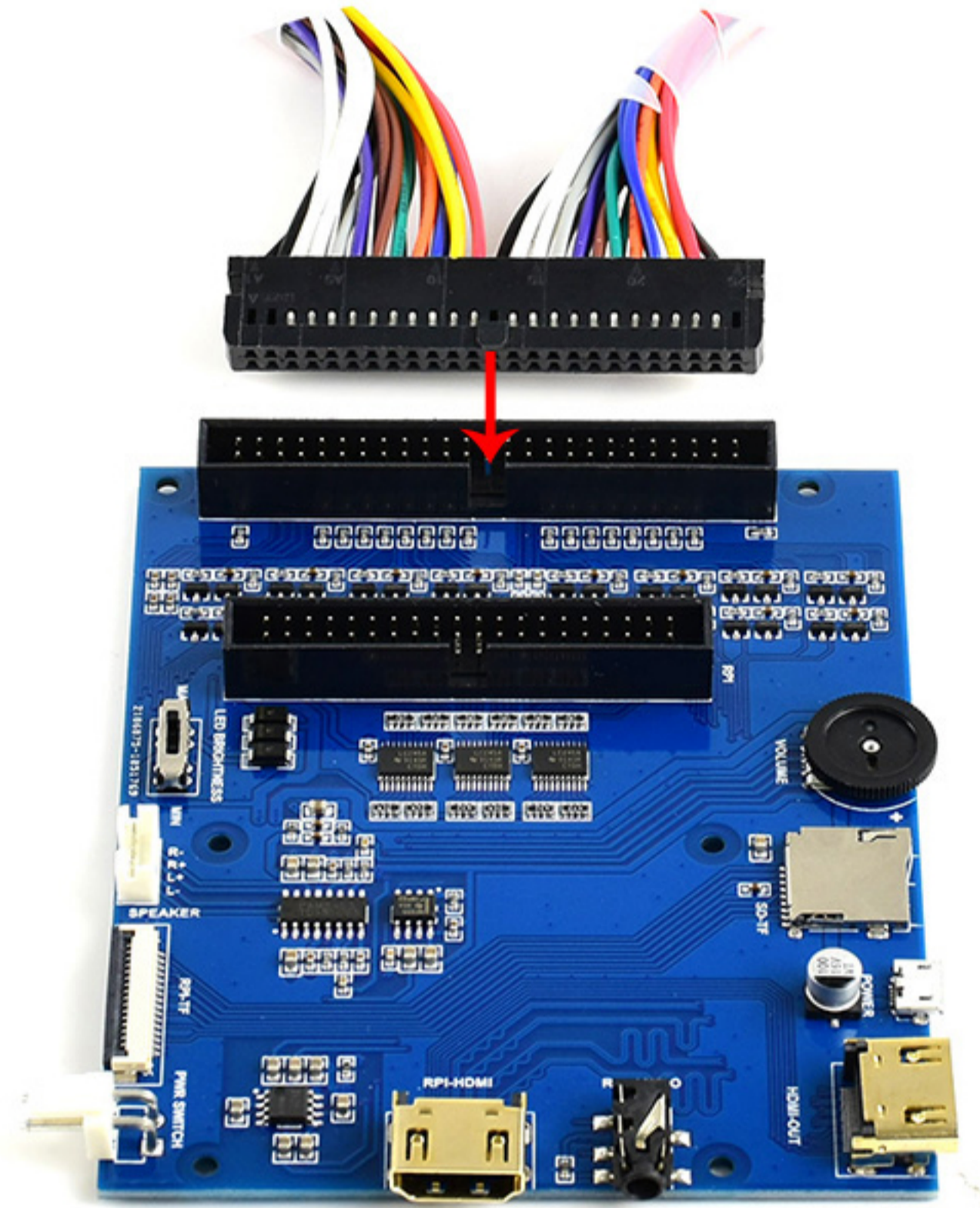## 1.Mount blue buttons on Arcylic panel
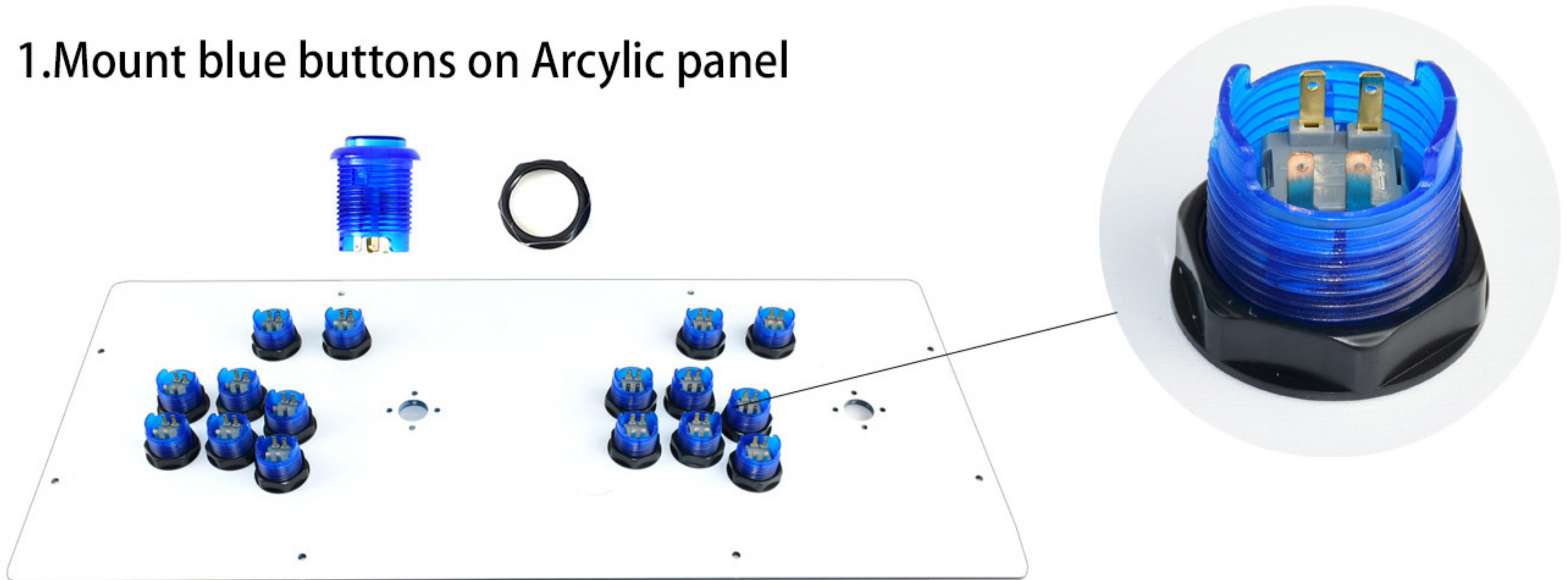
2.Remove screws from joysticts,then fix joysticks on Acrylic panle by Screw 1

Screw: PM3*12

3. To easy connect buttons and joystick, you can first insert the cable to Arcade Game HAT (B)

Note: Make sure that you connect the cable correctly, otherwise, LED of buttons caannot work
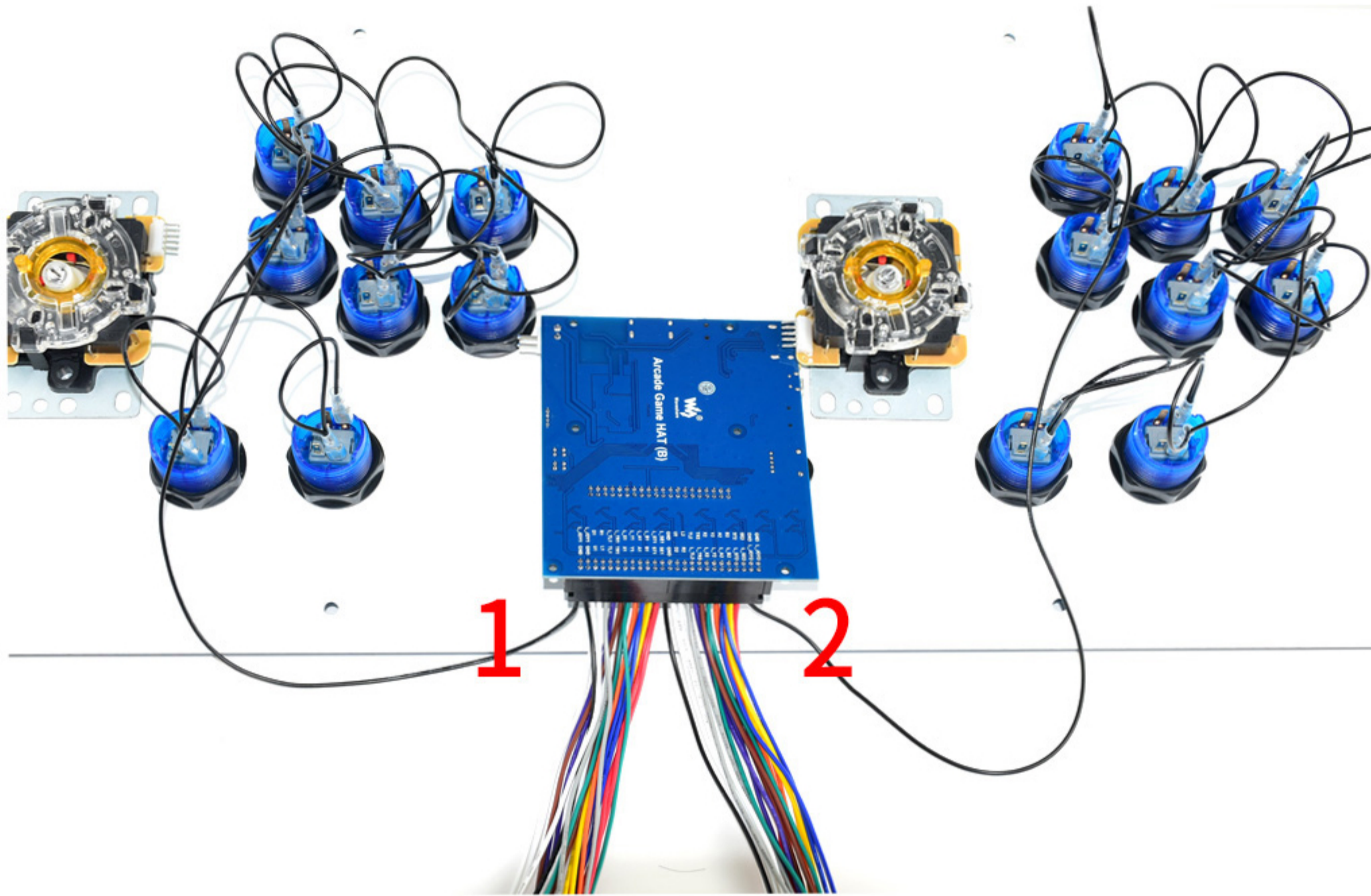
Align the cable carefully

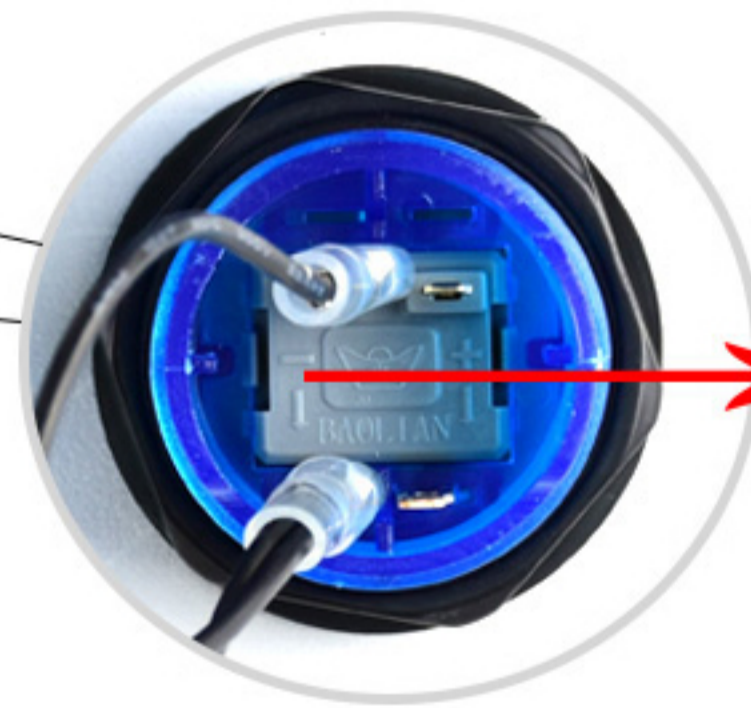Area 1 and Area 2 of Arcade Game HAT (B) are related to Controller 1 and Controller 2 respectively
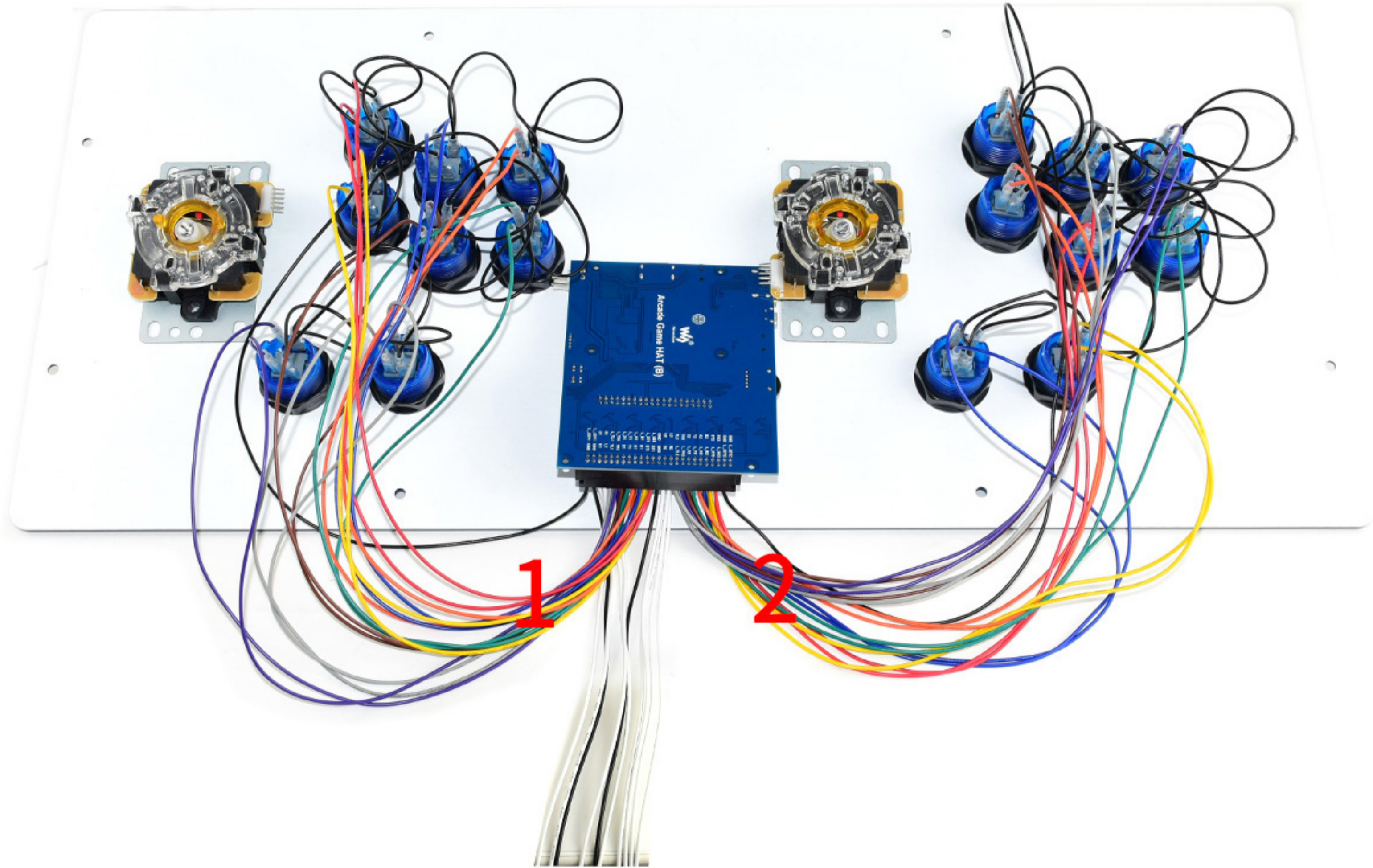
Connect black wire

1
2

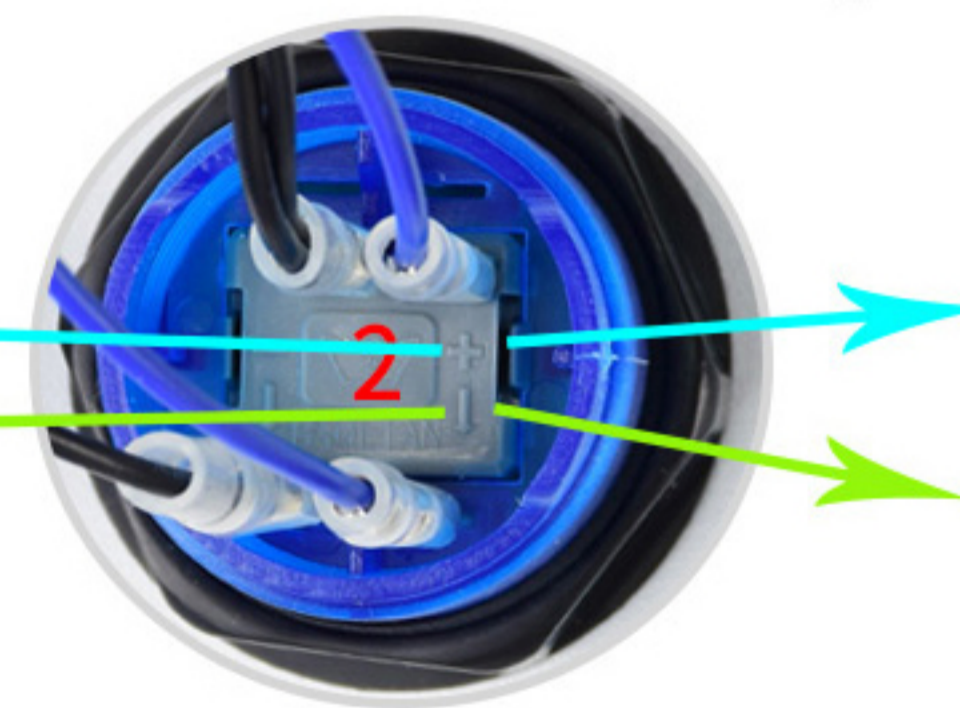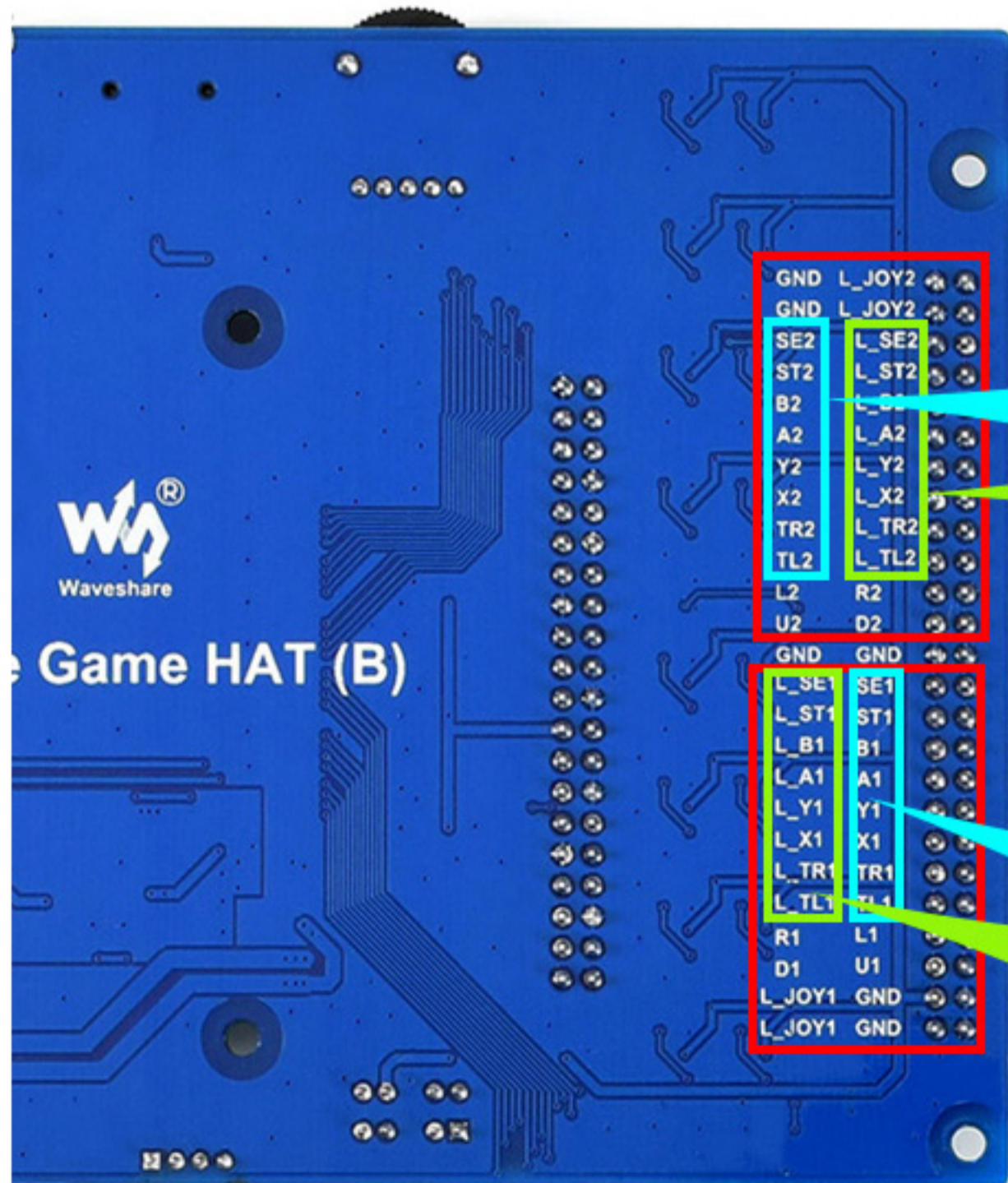## Details of connecting black wires

Connect black wires to negative symbole side of buttons. Firstly connect the header （black wires）

Note that you should connect it to negative side,otherwies LED cannot work.there are two bunches of black wire, related to two controllers
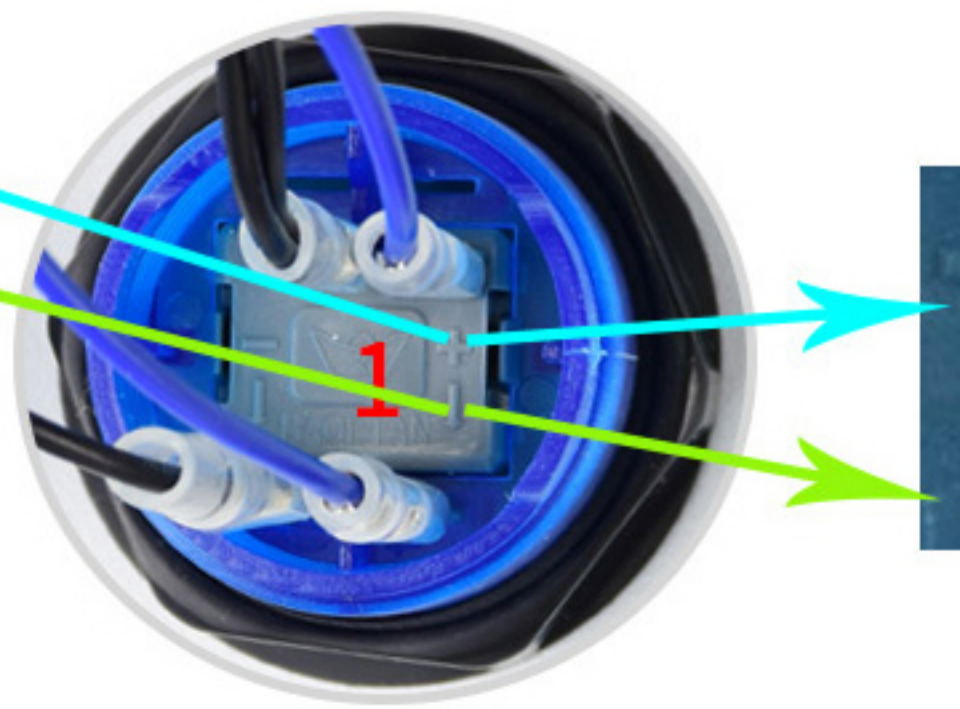
Connect colored wires

Area 1 and Area 2 are related to Controller 1 and Controll 2 respectively

GND	L_JOY2
GND	L_JOY2
SE2	L_SE2
ST2	L_ST2
B2	L_B2
A2	L_A2
Y2	L_Y2
X2	L_X2
TR2	L_TR2
TL2	L_TL2
L2	R2
U2	D2
GND	GND
L_SE1	SE1
L_ST1	ST1
L_B1	B1
L_A1	A1
L_Y1	Y1
L_X1	X1
L_TR1	TR1
L_TL1	TL1
R1	L1
D1	U1
L_JOY1	GND
L_JOY1	GND

Waveshare

e Game HAT (B)

Connect wires of blue area to "+" pins
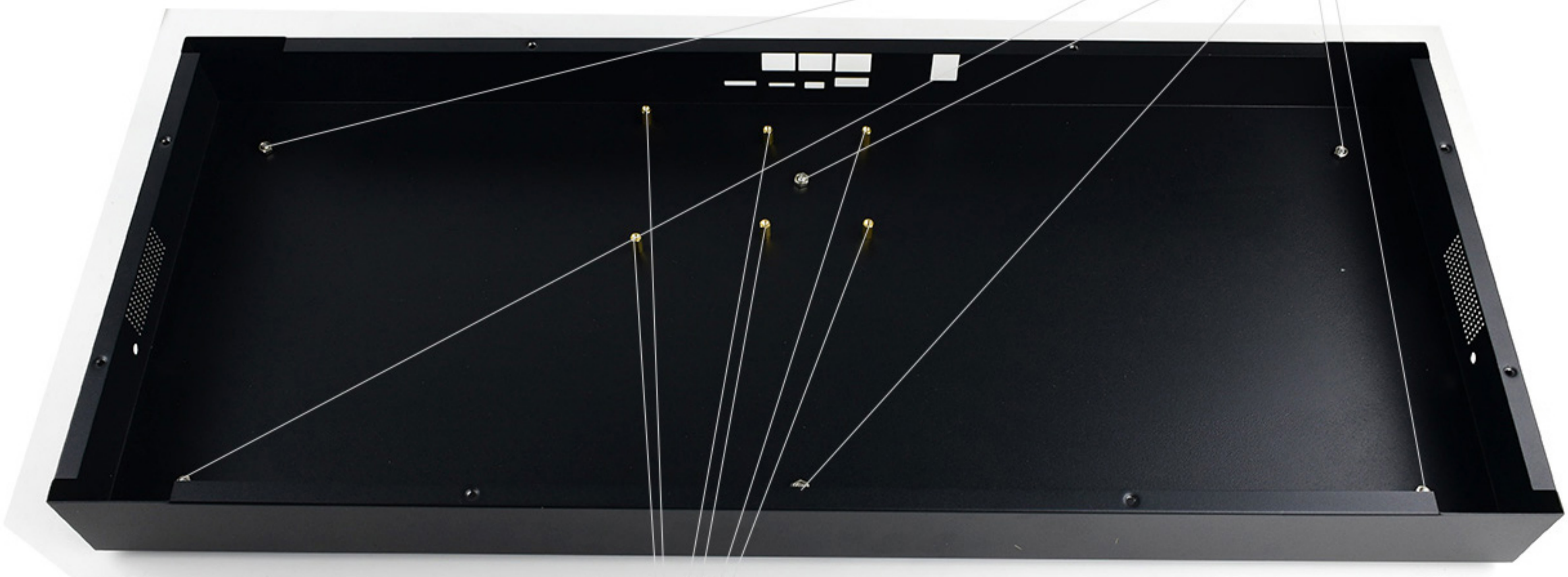
Connect wires of blue area to "↓" pins

Connect wires of blue area to "+" pins

Connect wires of blue area to "↓" pins

Connect joysticks
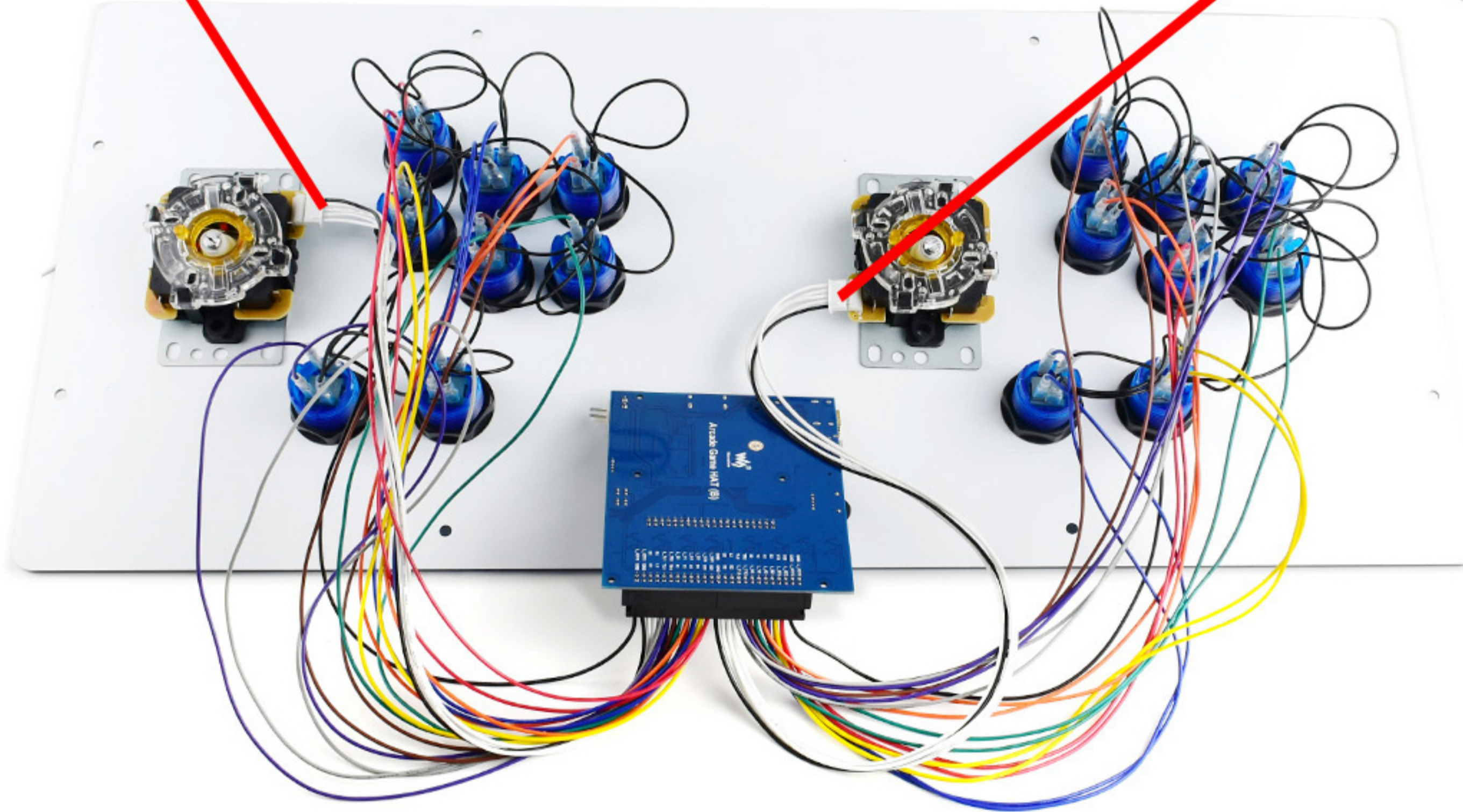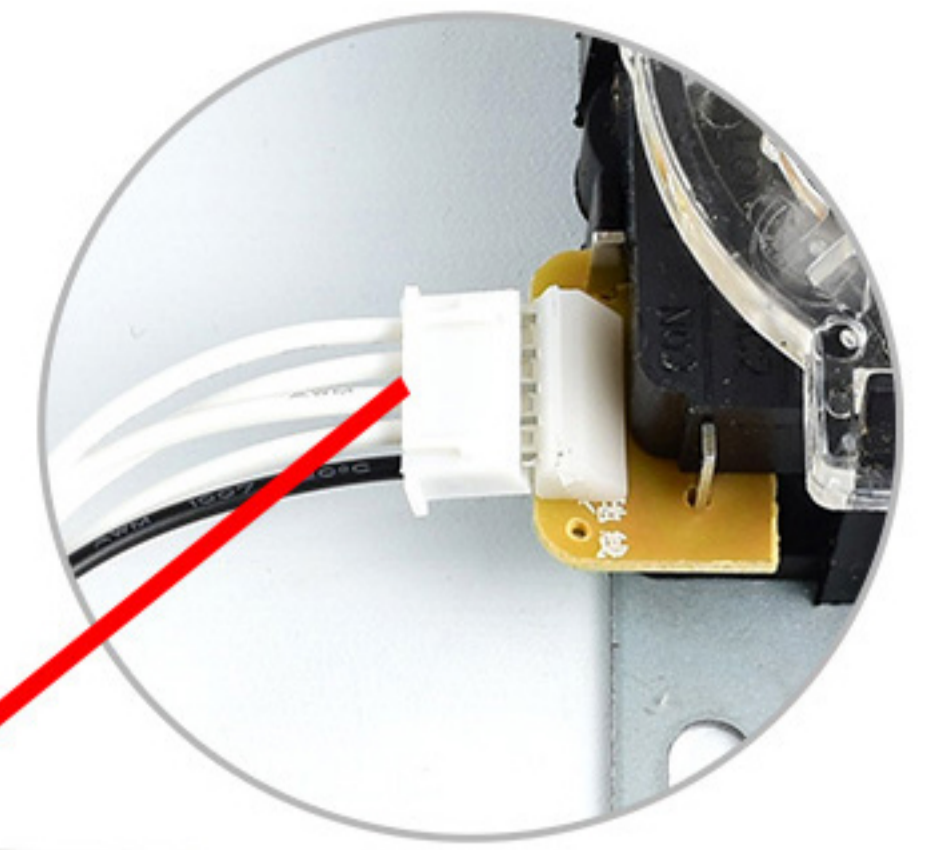
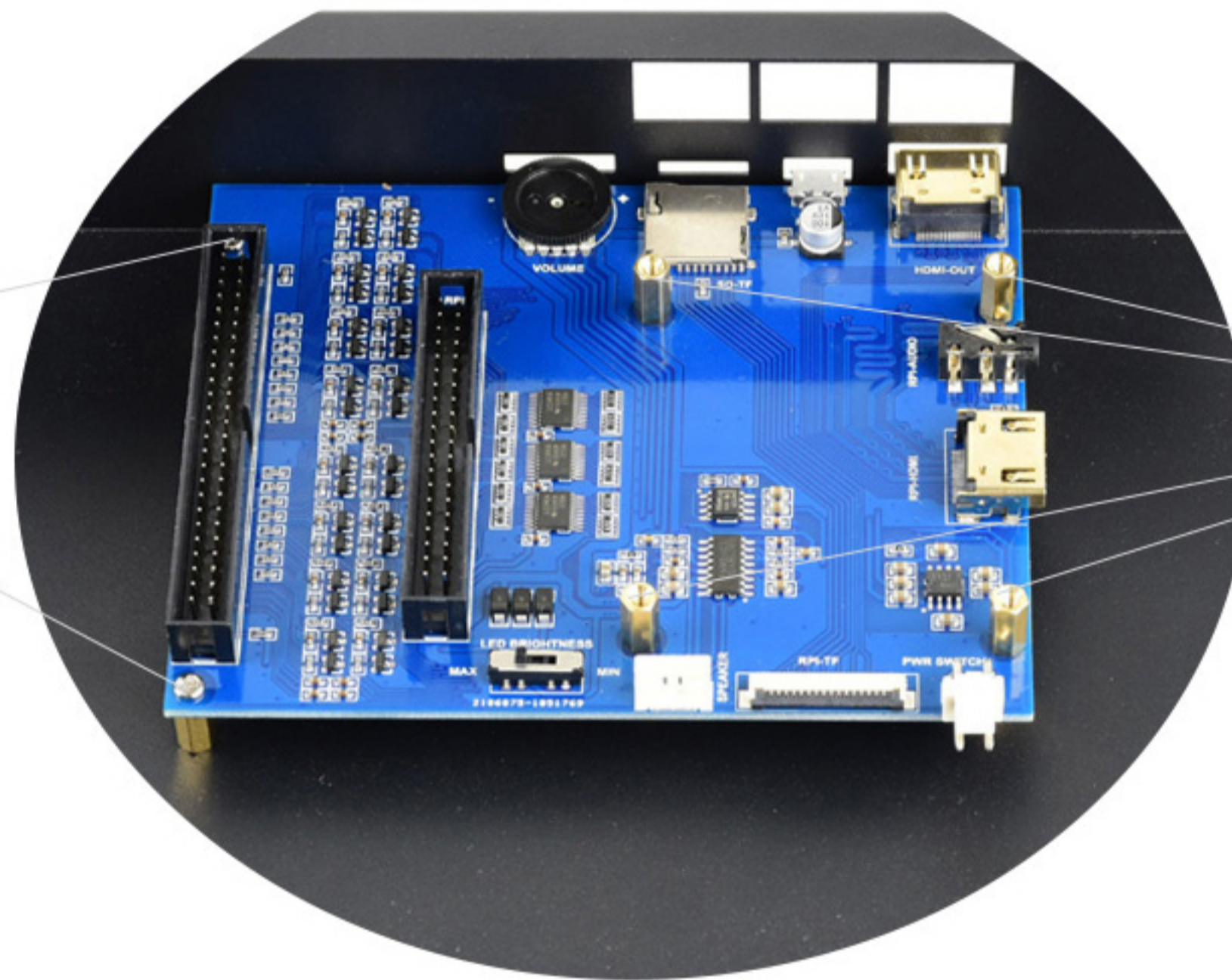## 4. Assemble rubber feet. Set the standoffs for Arcade Game HAT(B)

Screw: M4*8

Standoff: M2.5*10   Screw: M2.5*5

5.Disconnect the cables from Arcade Game HAT (B) and fix it in bottom case.
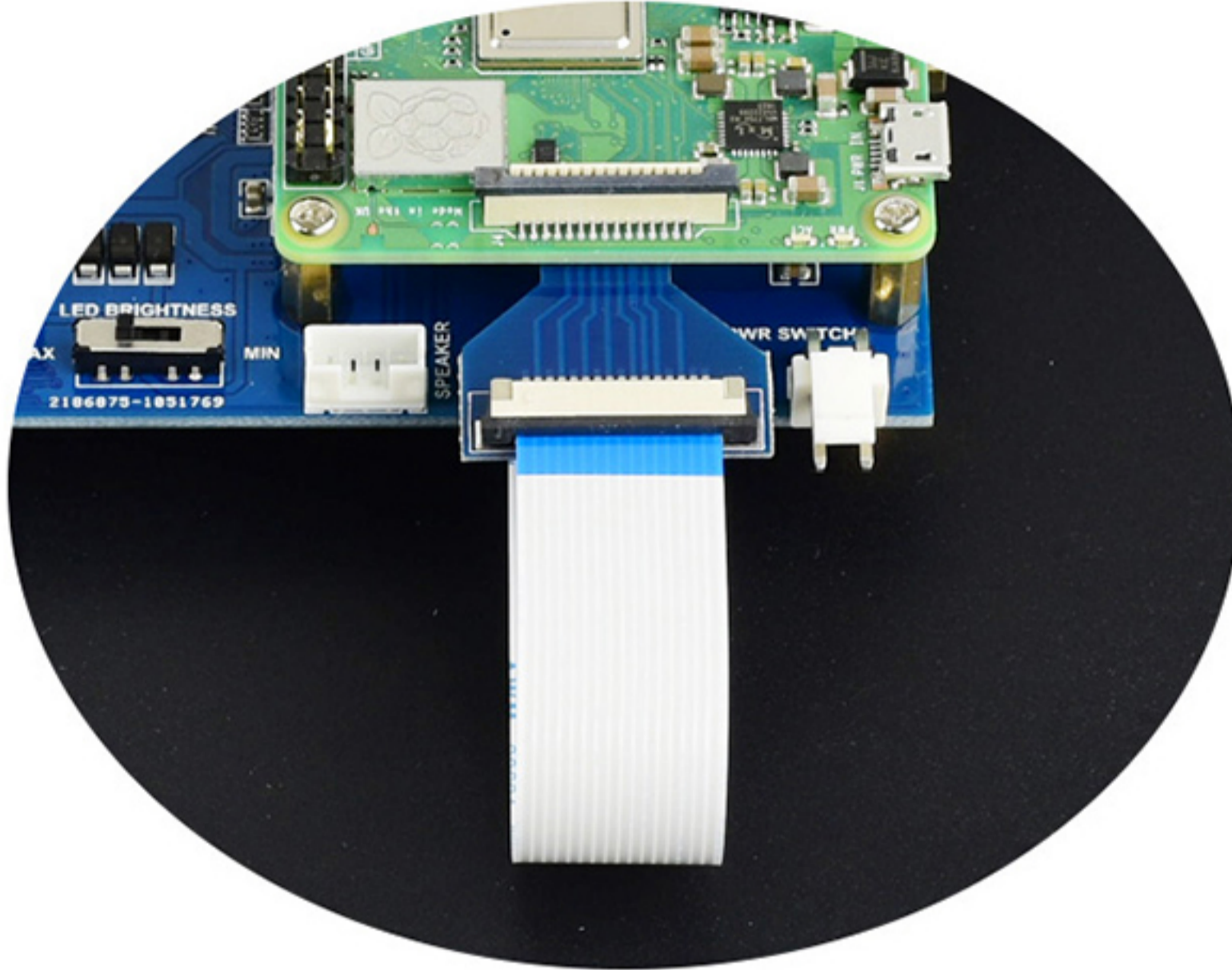 Attach Raspberry Pi on Arcade Game HAT(B)

Screw: M2.5*5

Standoff: M2.5*10+6

Standoff: M2.5*5

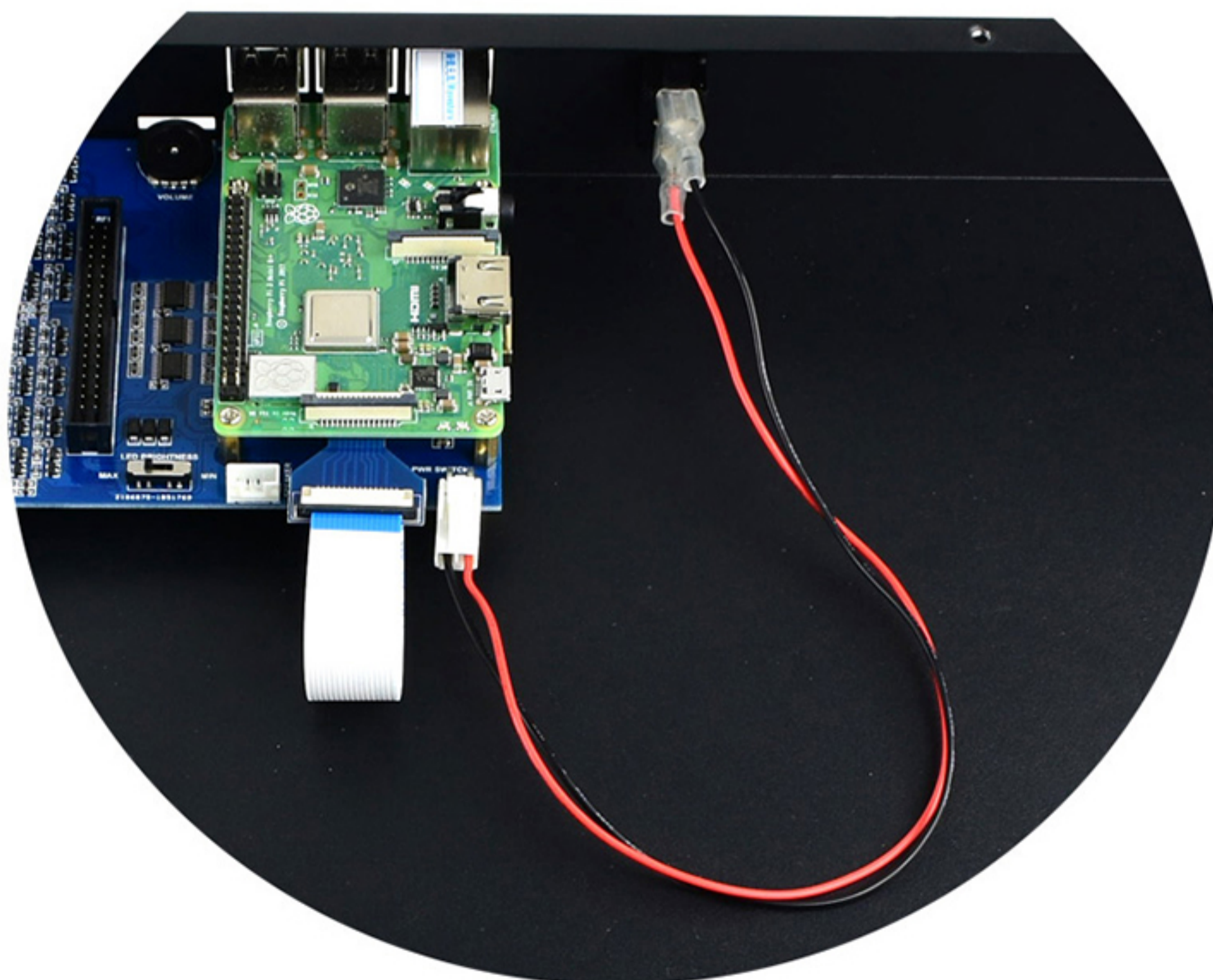# 6.Connect FFC to TF-Card for Arcade Game HAT(B) and inset it to Raspberry Pi。

Connect another side of FFC to Arcade Game HAT (B)
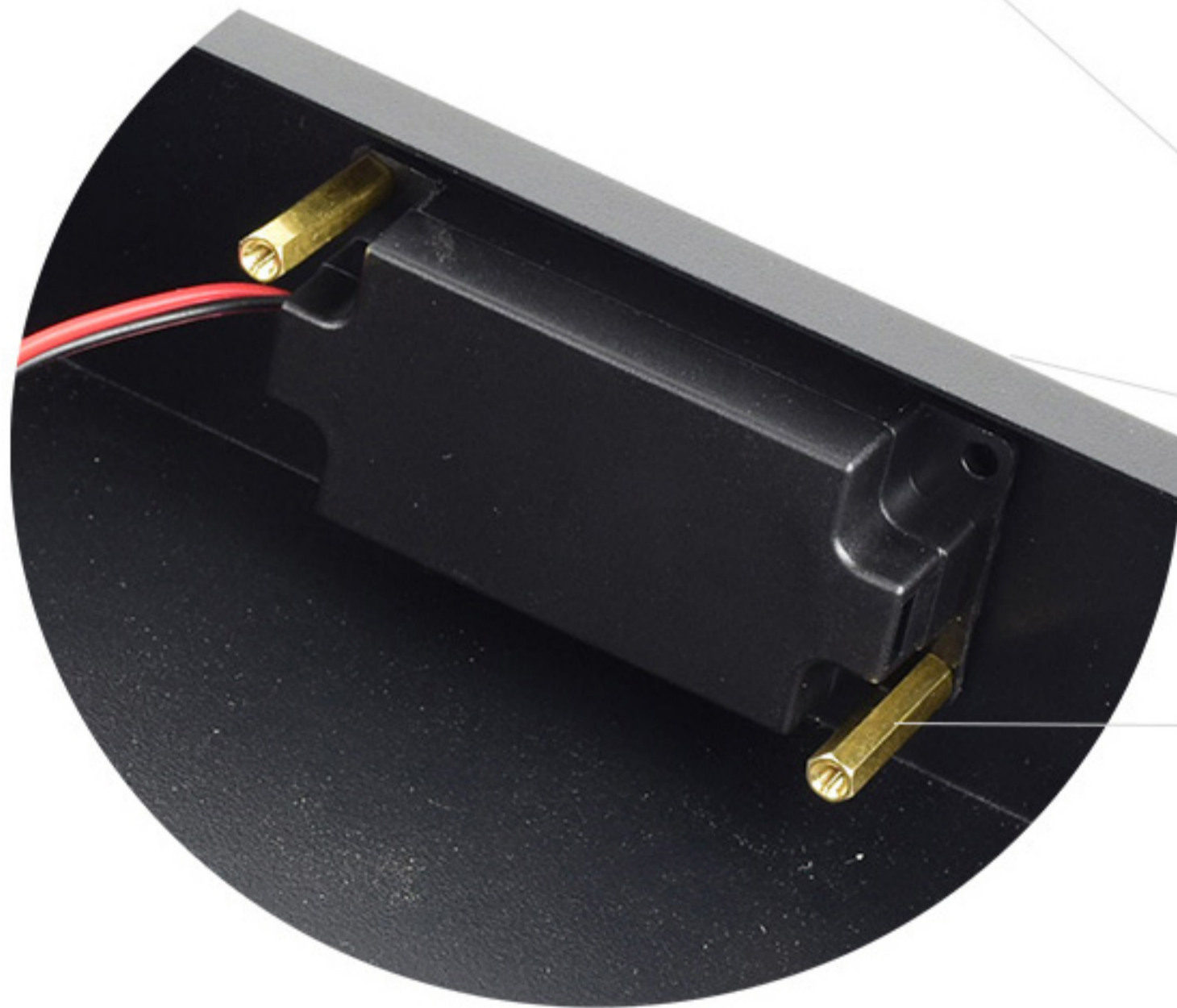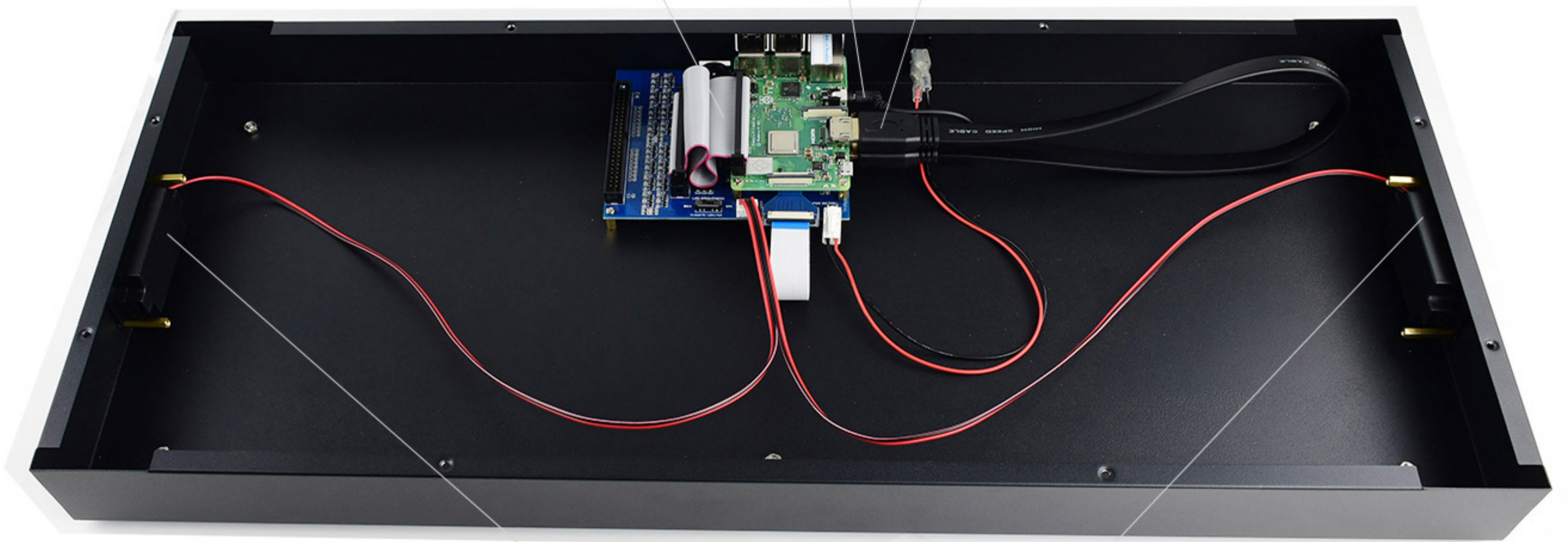
7.Connect Power switch.

Red line is connected to "—"

Black line is to "O"

Ribbon cable

Audio cable

HDMI cable

Screw: M3*8

Standoff: M3*20

8.Replace the cables to Arcade Game HAT(B),Then assemble Arcade-c-2P.

Screw: M4*8