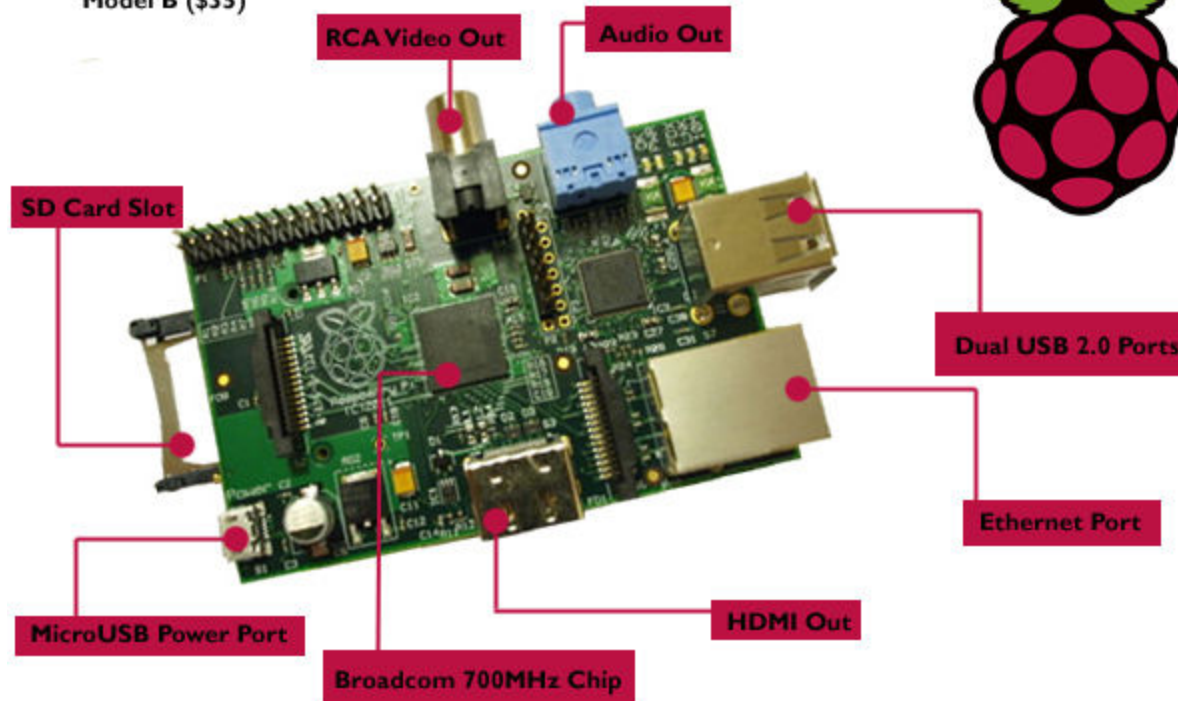


Raspberry Pi : Pocket PC

Credit card-sized single-board computers developed in the United Kingdom with the intent to promote the teaching of basic computer science in schools and developing countries.

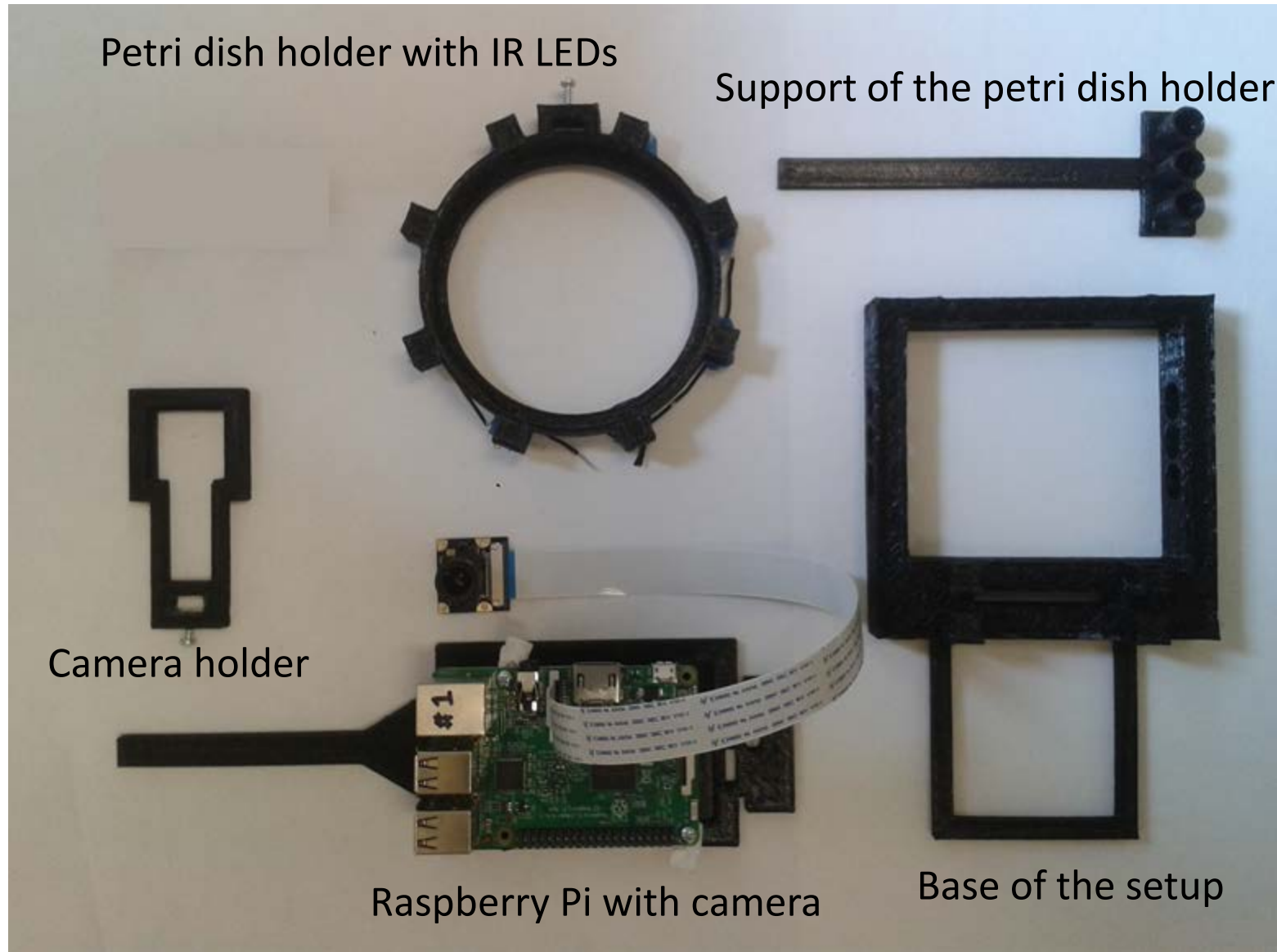


Raspberry Pi
Model B (\$35)



Building a FlyPi setup

Design files for 3D prints: https://github.com/LabLouis/FlyPi_LarvalChemotaxis

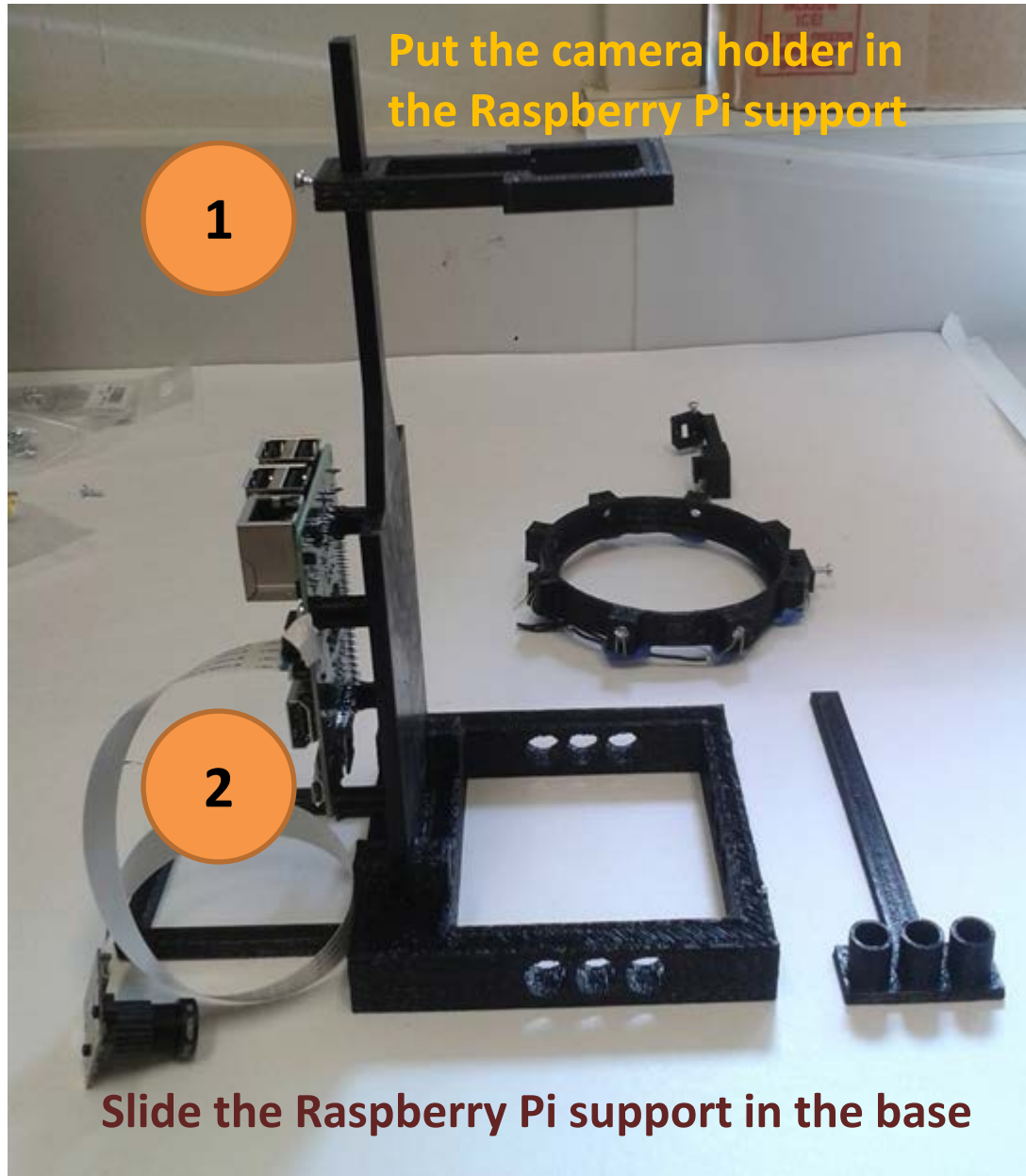


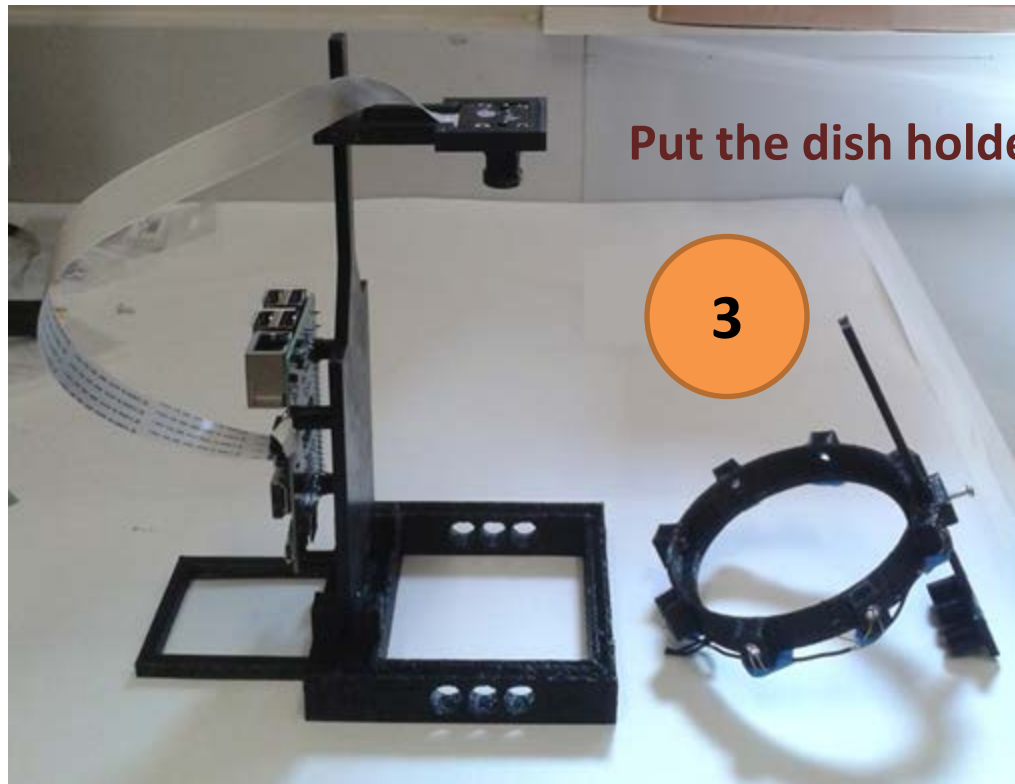
Put the camera holder in
the Raspberry Pi support

1

2

Slide the Raspberry Pi support in the base

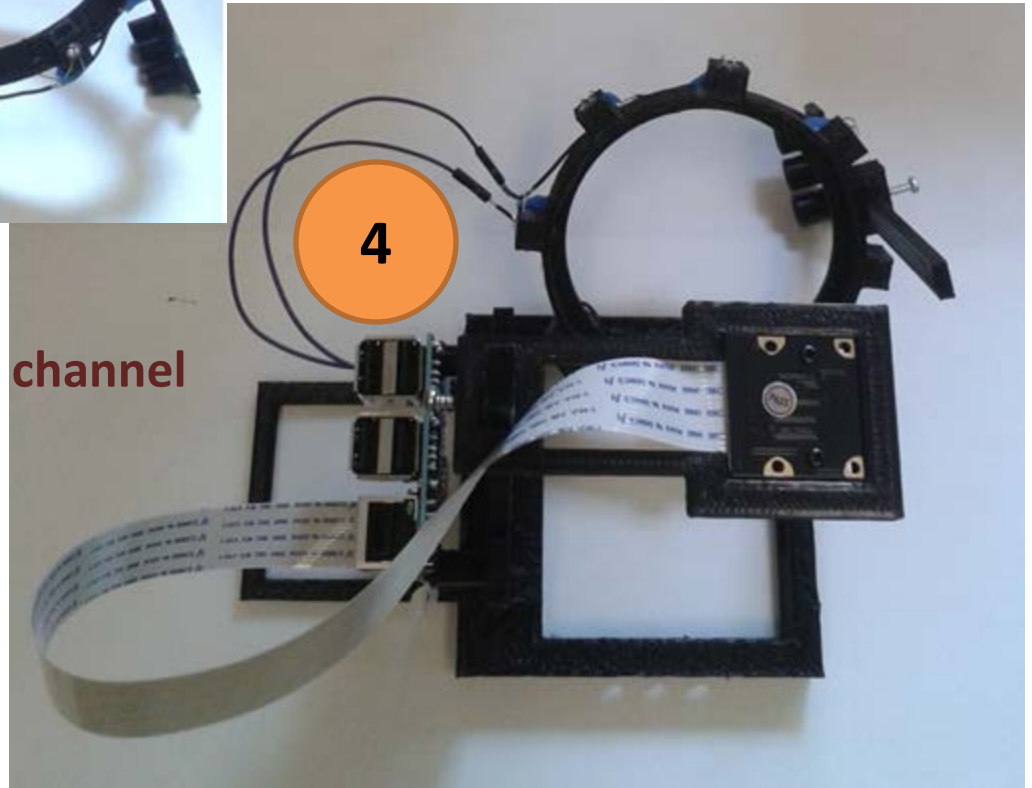




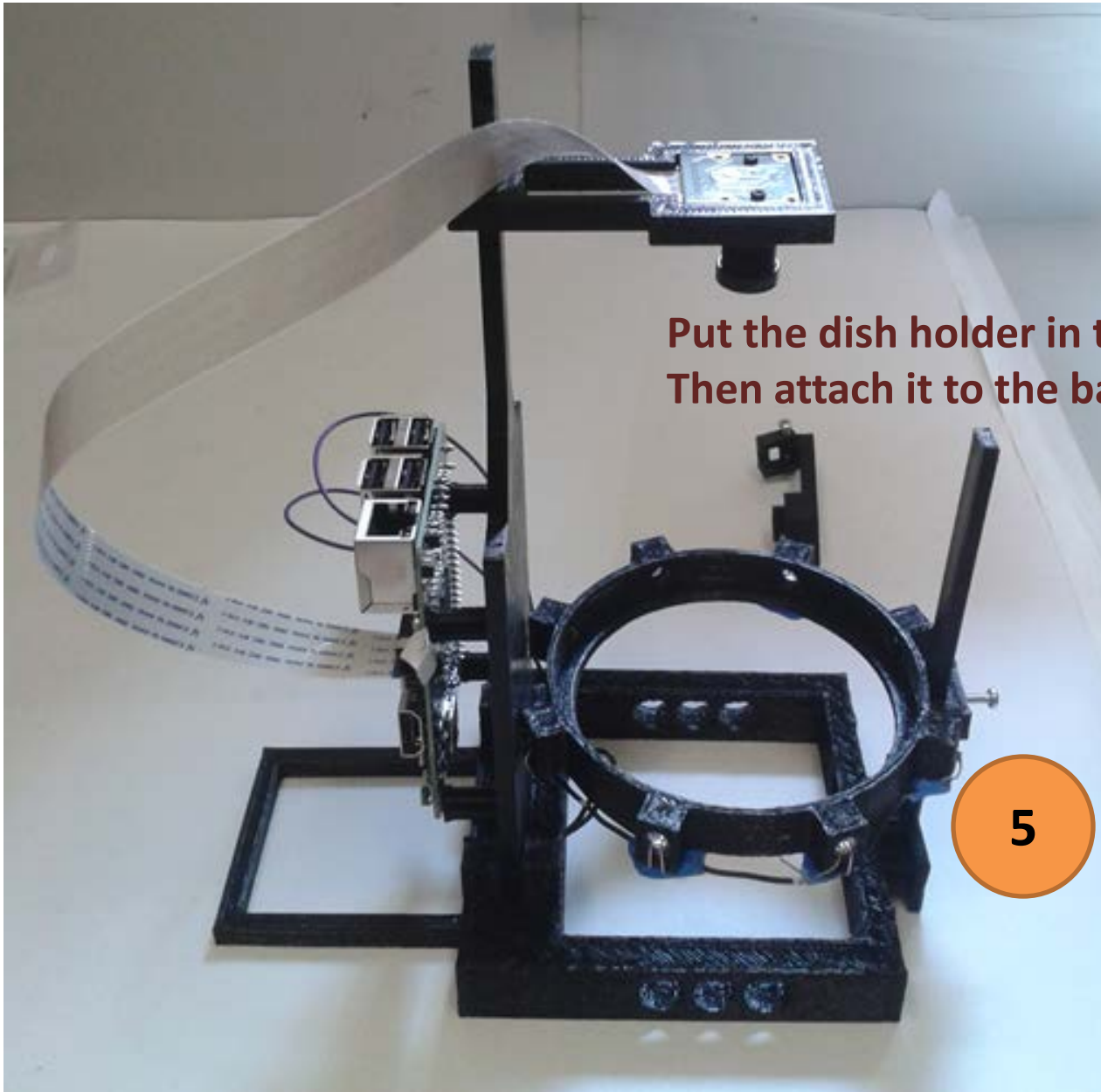
Put the dish holder in the dish support

3

**Connect wires to the IR LEDs channel
(GPIO17, GND)**



4

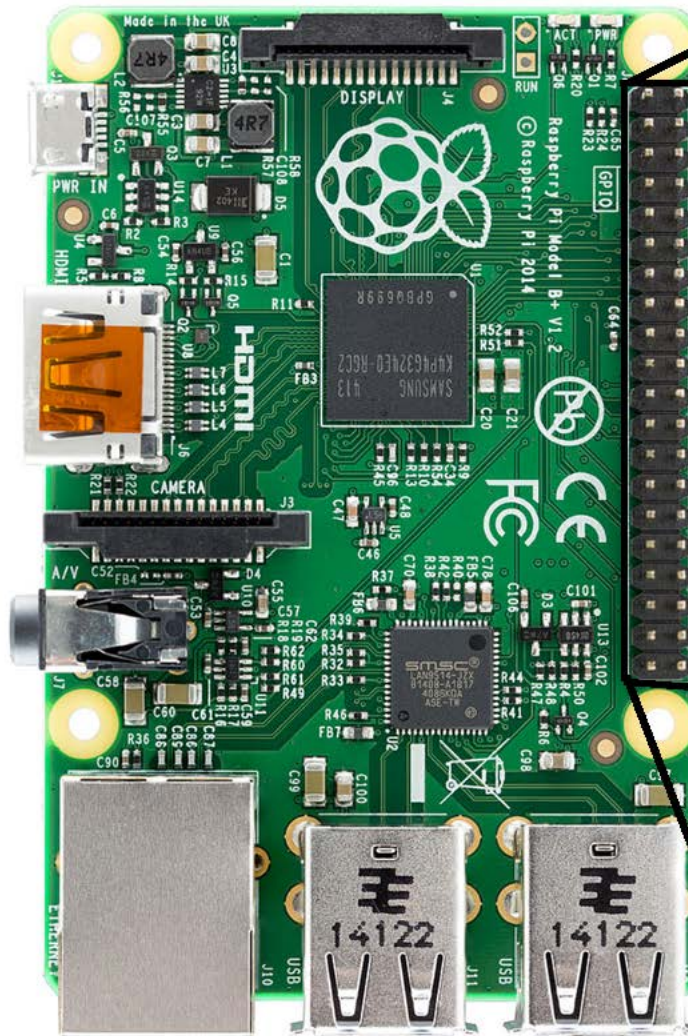


**Put the dish holder in the support,
Then attach it to the base**

5

6

Pin array of the Raspberry Pi



Pin No.		
1	2	5V
3	4	5V
5	6	GND
7	8	GPIO14
9	10	GPIO15
11	12	GPIO18
13	14	GND
15	16	GPIO23
17	18	GPIO24
19	20	GND
21	22	GPIO25
23	24	GPIO8
25	26	GPIO7
27	28	DNC
29	30	GND
31	32	GPIO12
33	34	GND
35	36	GPIO16
37	38	GPIO20
39	40	GPIO21

Key

Power +	UART
GND	SPI
I ² C	GPIO