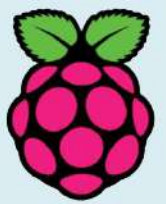# How to assemble the RPi touchscreen display
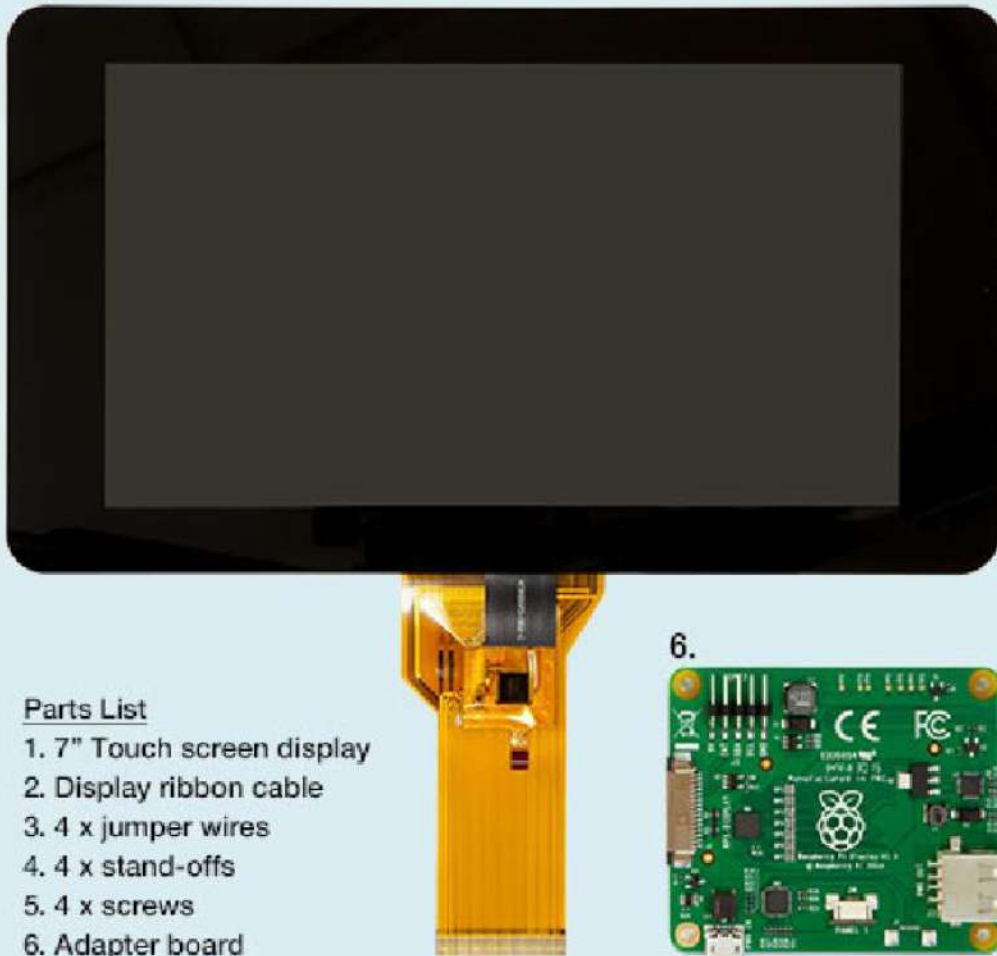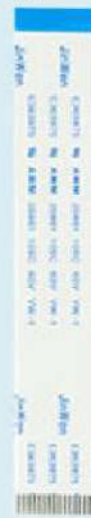
RaspberryPi
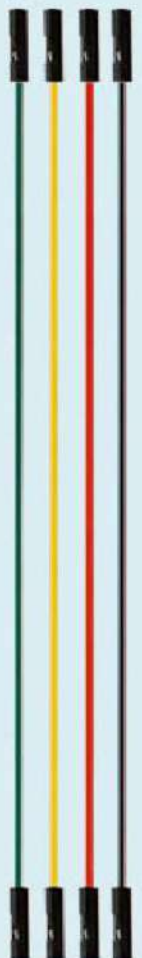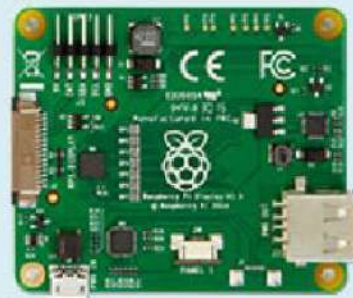
1.

2.

3.

4.

5.

6.

Parts List

1. 7" Touch screen display
2. Display ribbon cable
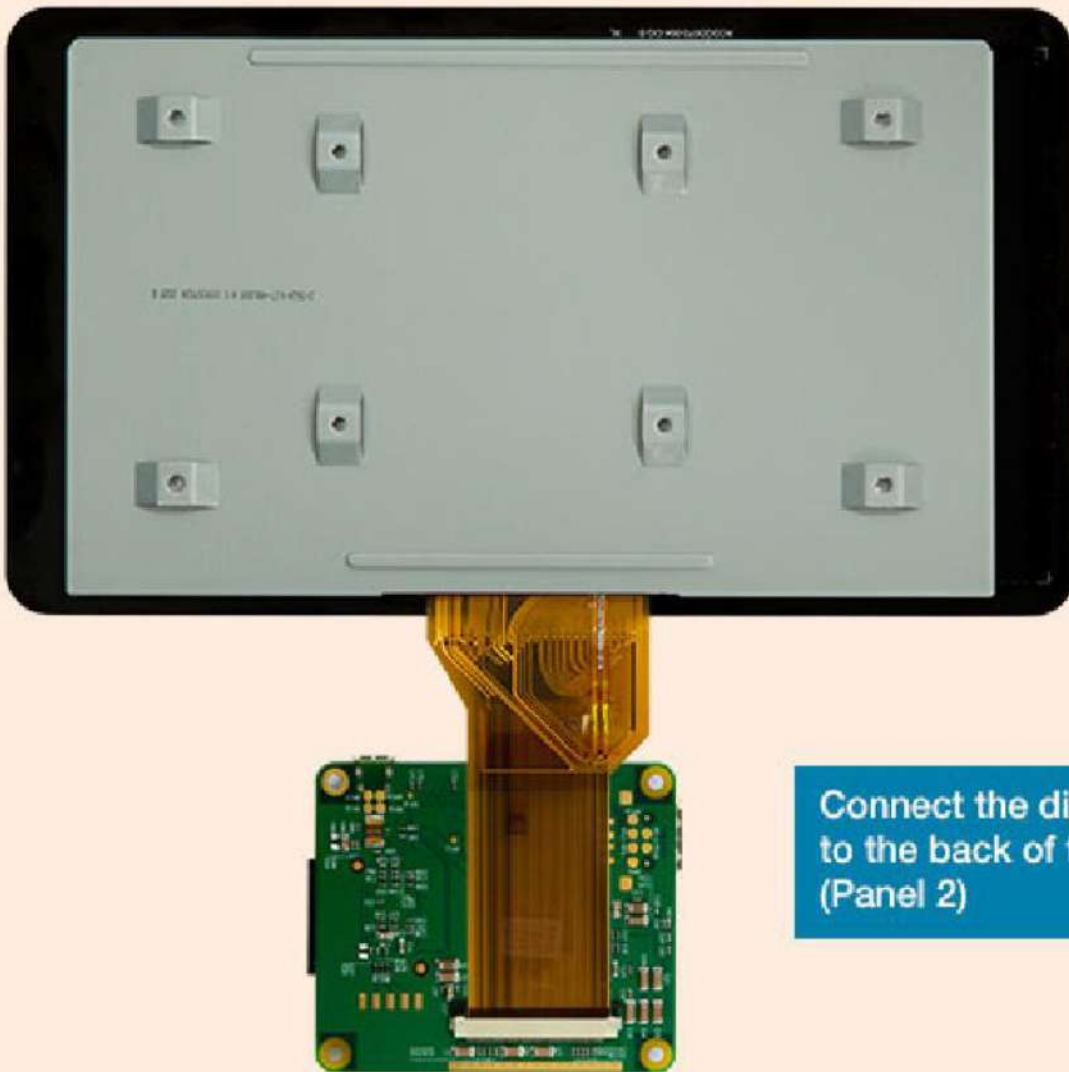3. 4 x jumper wires
4. 4 x stand-offs
5. 4 x screws
6. Adapter board

Connect the display ribbon cable to the back of the adapter board (Panel 2)

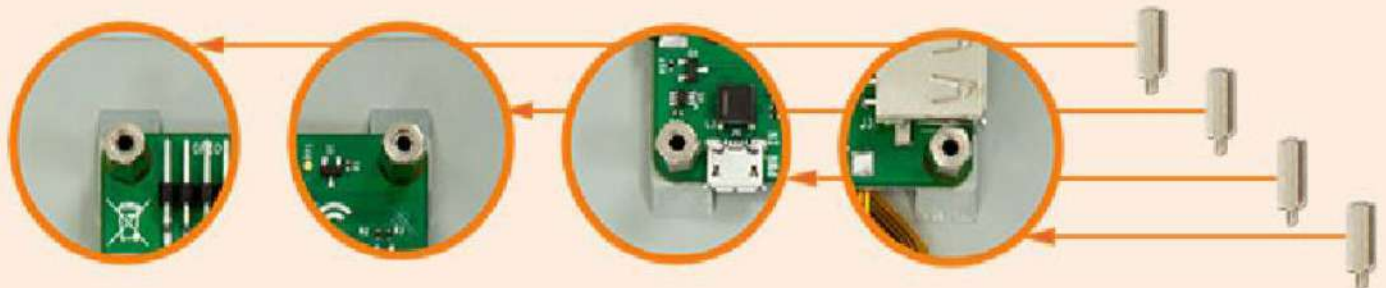Lie the adapter board onto the back of the display then connect the touch screen ribbon cable into J4 (Panel 1)
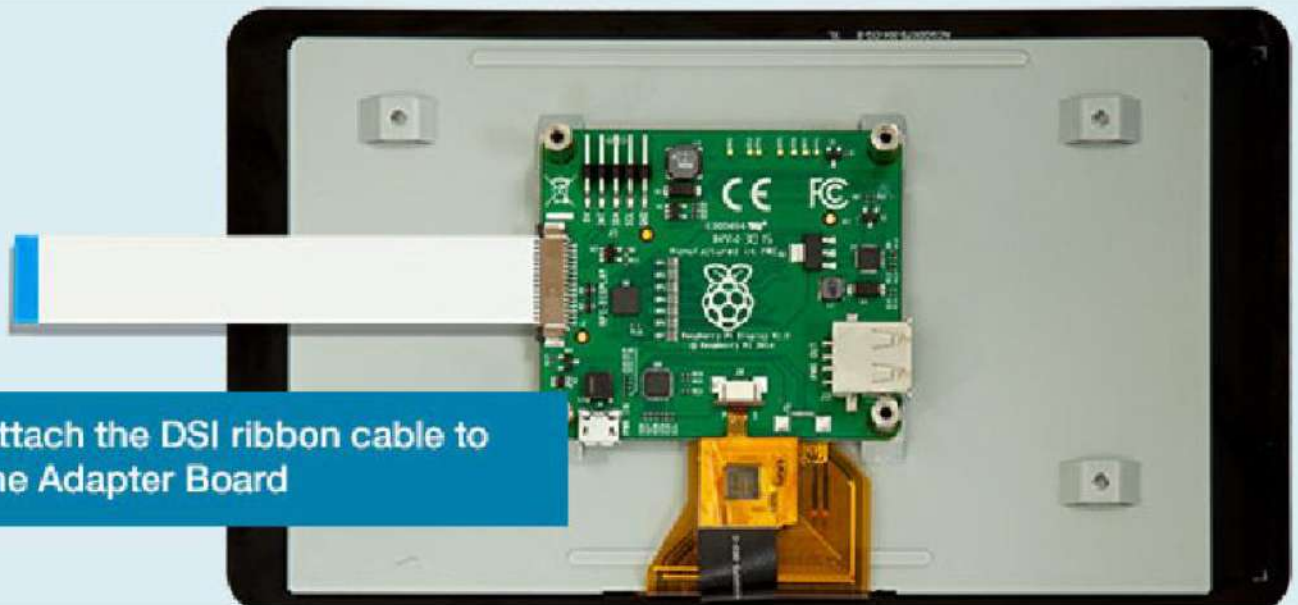
STEP 3

Attach the 4 x Standoffs & screw them through the adapter board into the back of the display
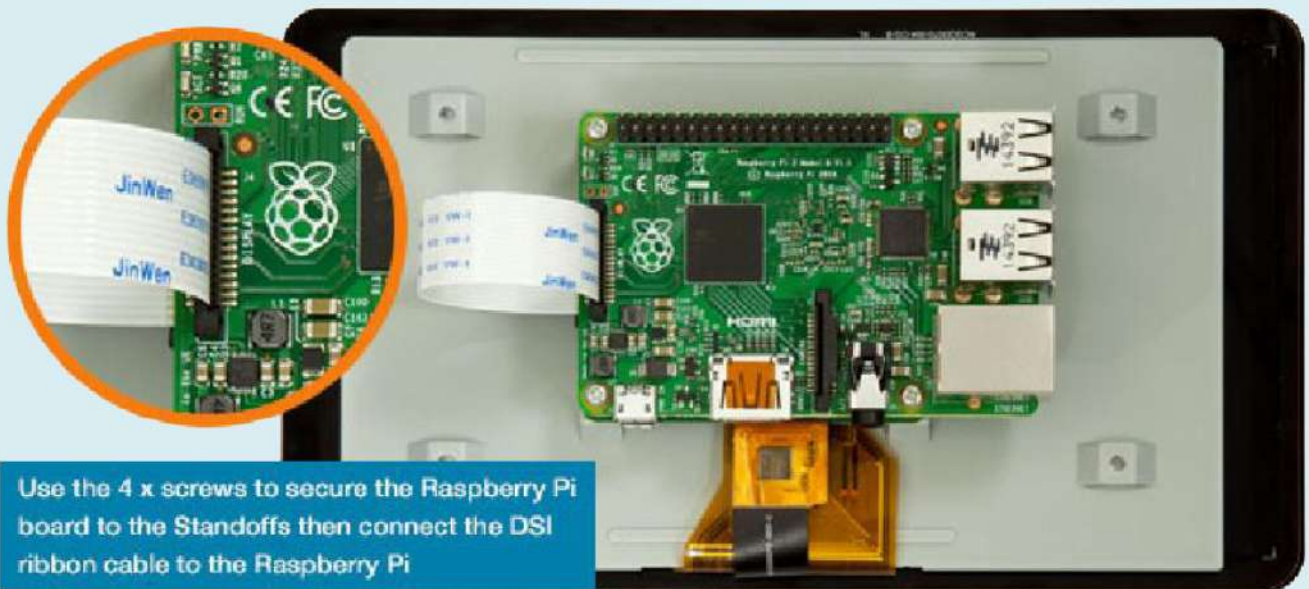
STEP 4

Attach the DSI ribbon cable to the Adapter Board
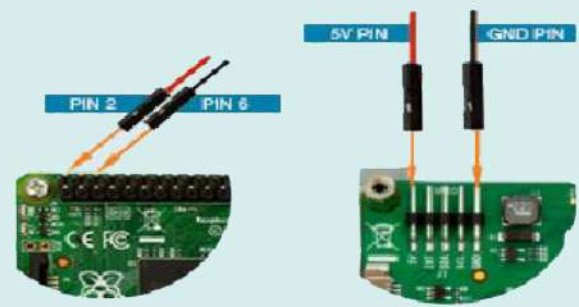
STEP 5

Use the 4 x screws to secure the Raspberry Pi board to the Standoffs then connect the DSI ribbon cable to the Raspberry Pi
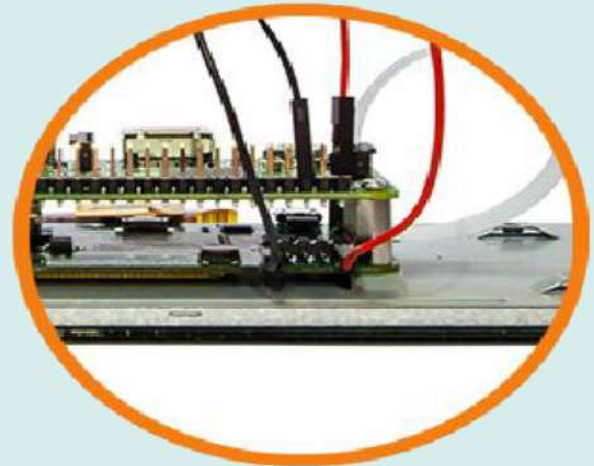
STEP 6

Connect the jumper wires from the Raspberry Pi to the adapter board

Raspberry Pi2 GPIO Header

Pin#	NAME			NAME	Pin#
01	3.3v DC Power			DC Power 5v	02
03	GPIO2 (SDA1, I2C)			DC Power 5v	04
05	GPIO3 (SCL1, I2C)			Ground	06
07	GPIO4 (GPIO_GCLK)			(TXD0) GPIO14	08
09	Ground			(RXD0) GPIO15	10
11	GPIO17 (GPIO_GEN0)			(GPIO_GEN1) GPIO18	12
13	GPIO27 (GPIO_GEN2)			Ground	14
15	GPIO22 (GPIO_GEN3)			(GPIO_GEN4) GPIO23	16
17	3.3v DC Power			(GPIO_GEN5) GPIO24	18
19	GPIO10 (SPI_MOSI)			Ground	20
21	GPIO9 (SPI_MISO)			(GPIO_GEN6) GPIO25	22
23	GPIO11 (SPI_CLK)			(SPI_CE0_N) GPIO8	24
25	Ground			(SPI_CE1_N) GPIO7	26
27	ID_SD (I2C ID EEPROM)			(I2C ID EEPROM) ID_SC	28
29	GPIO5			Ground	30
31	GPIO6			GPIO12	32
33	GPIO13			Ground	34
35	GPIO19			GPIO16	36
37	GPIO26			GPIO20	38
39	Ground			GPIO21	40

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PIN 2   PIN 6   5V PIN   GND PIN

STEP 7

Insert a Micro SD Card into the Raspberry Pi with the Latest version of Raspbian installed then attach a 2Amp Power Supply to the Raspberry Pi Adapter Board to power the display and Raspberry Pi Board.

STEP 8

Operating Software:
Now that you've assembled your Raspberry Pi Touchscreen Display, you will need to download and install the latest version of the Raspbian Operating System - available to download from the Raspberry Pi Foundation at: https://www.raspberrypi.org/downloads/

Once installed, type
`sudo apt-get update`
and
`sudo apt-get upgrade`

(in that order) to install all of the latest drivers and software to support the Touchscreen Display.