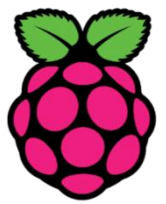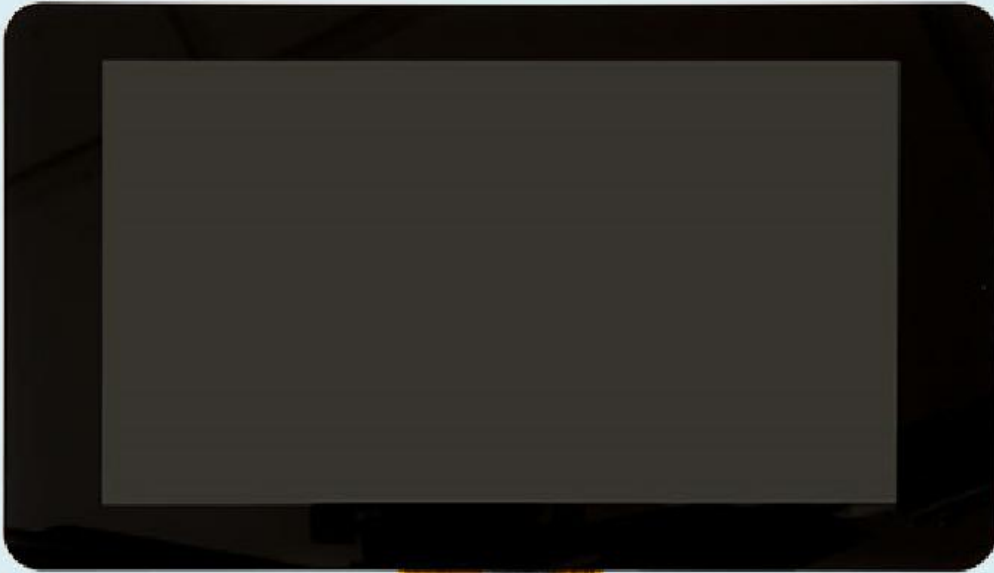# How to assemble the RPi touchscreen display
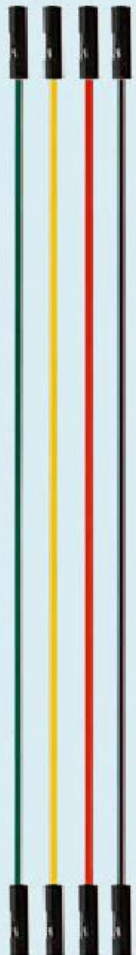
1.

2.

3.

4.

6.

5.
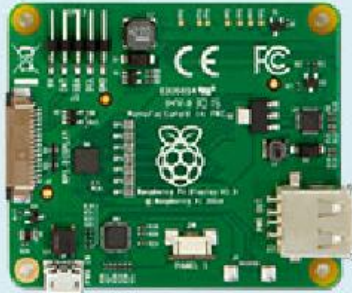
Parts List
1. 7" Touch screen display
2. Display ribbon cable
3. 4 x jumper wires
4. 4 x stand-offs
5. 4 x screws
6. Adapter board
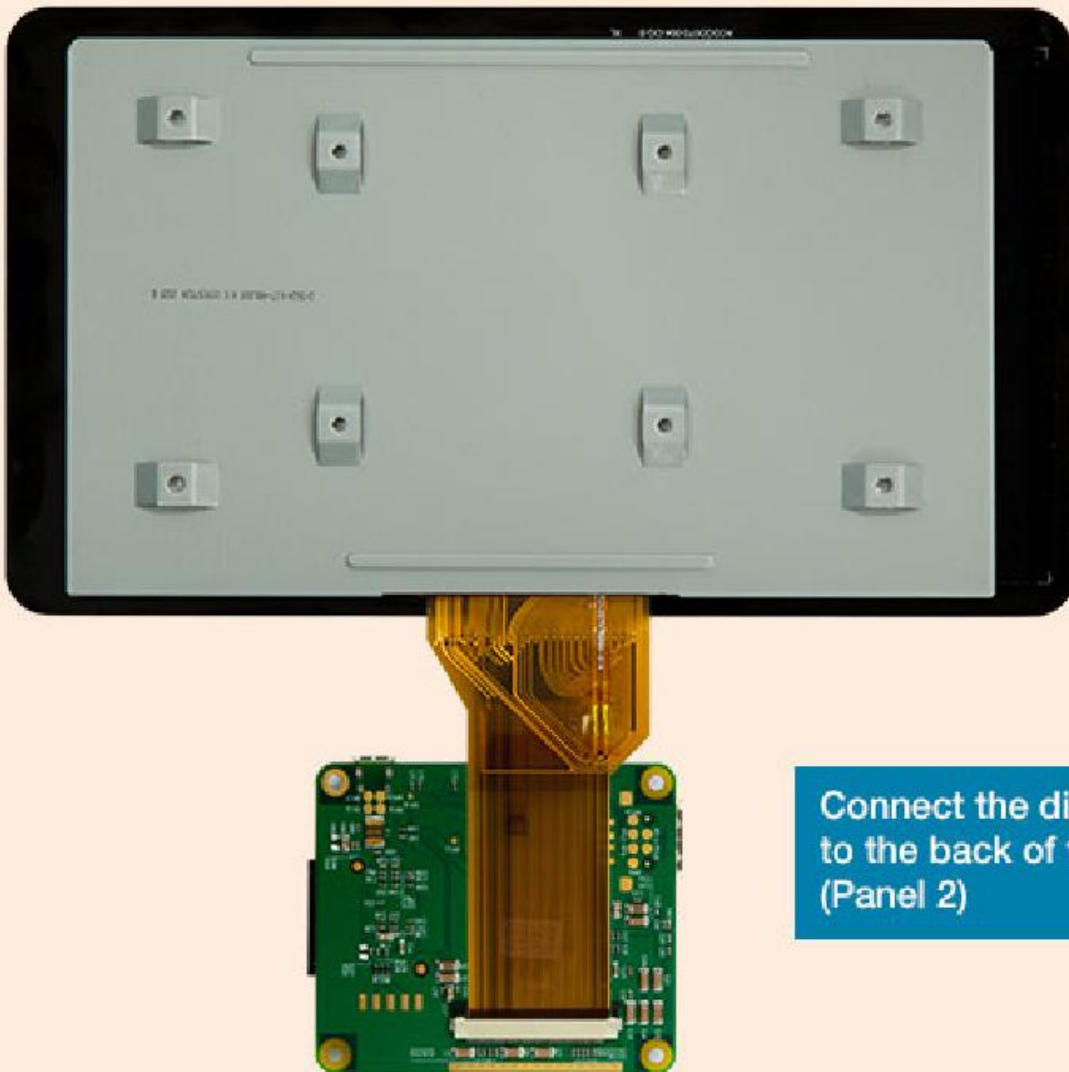
Connect the display ribbon cable to the back of the adapter board (Panel 2)

STEP 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
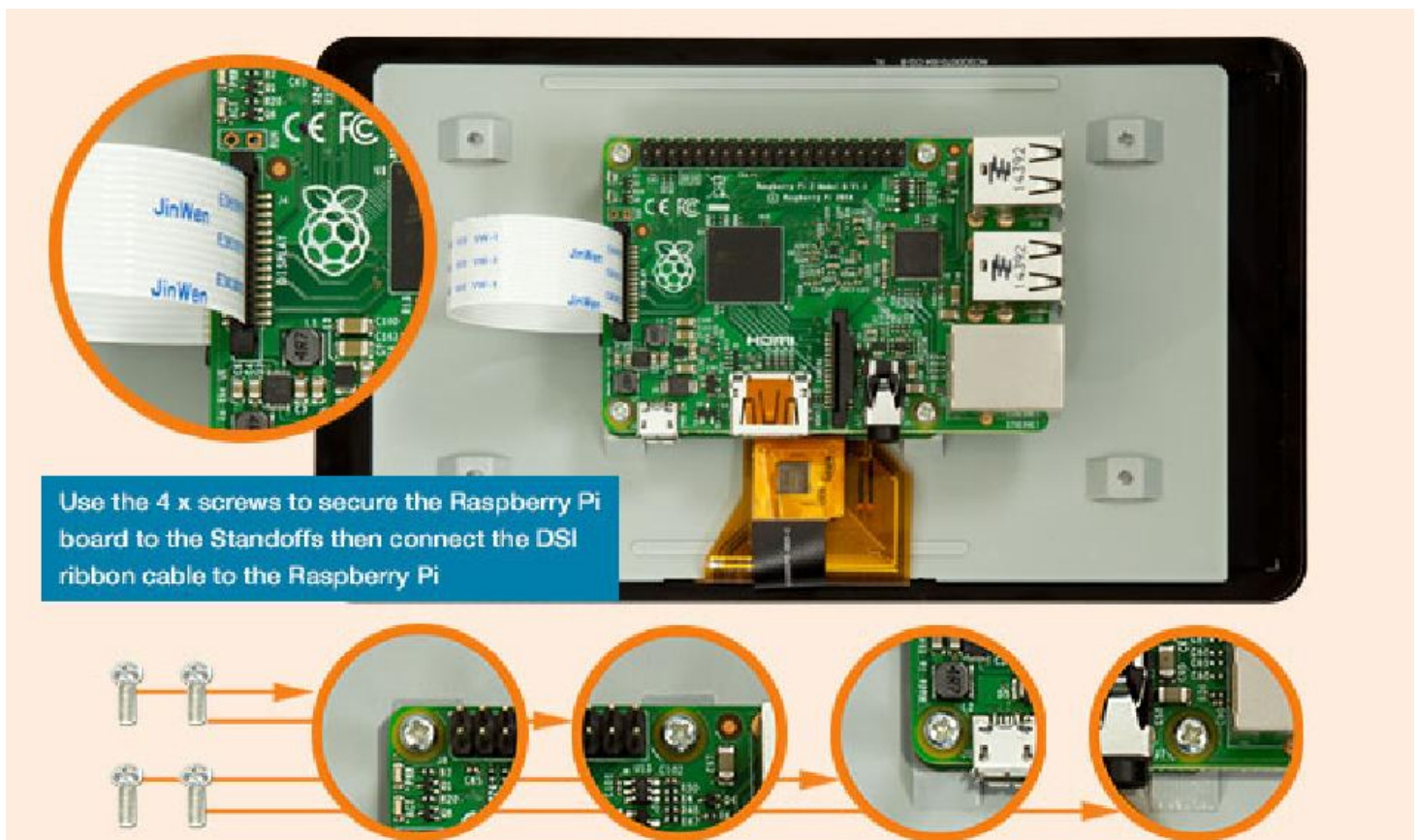
STEP 6

Connect the jumper wires from the Raspberry Pi to the adapter board
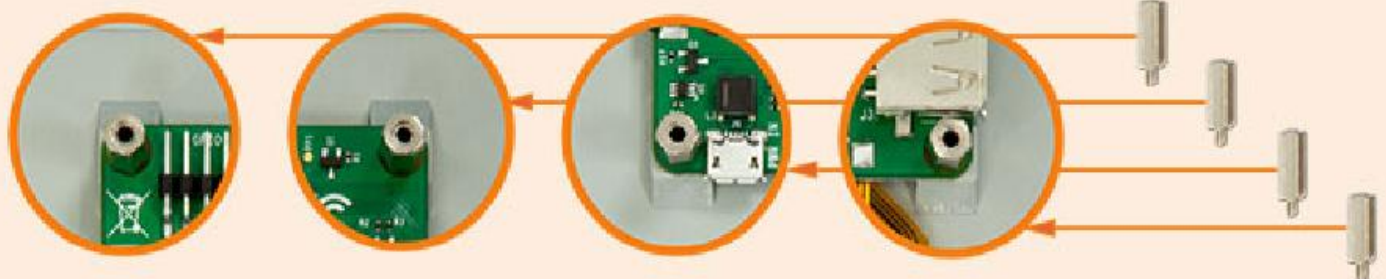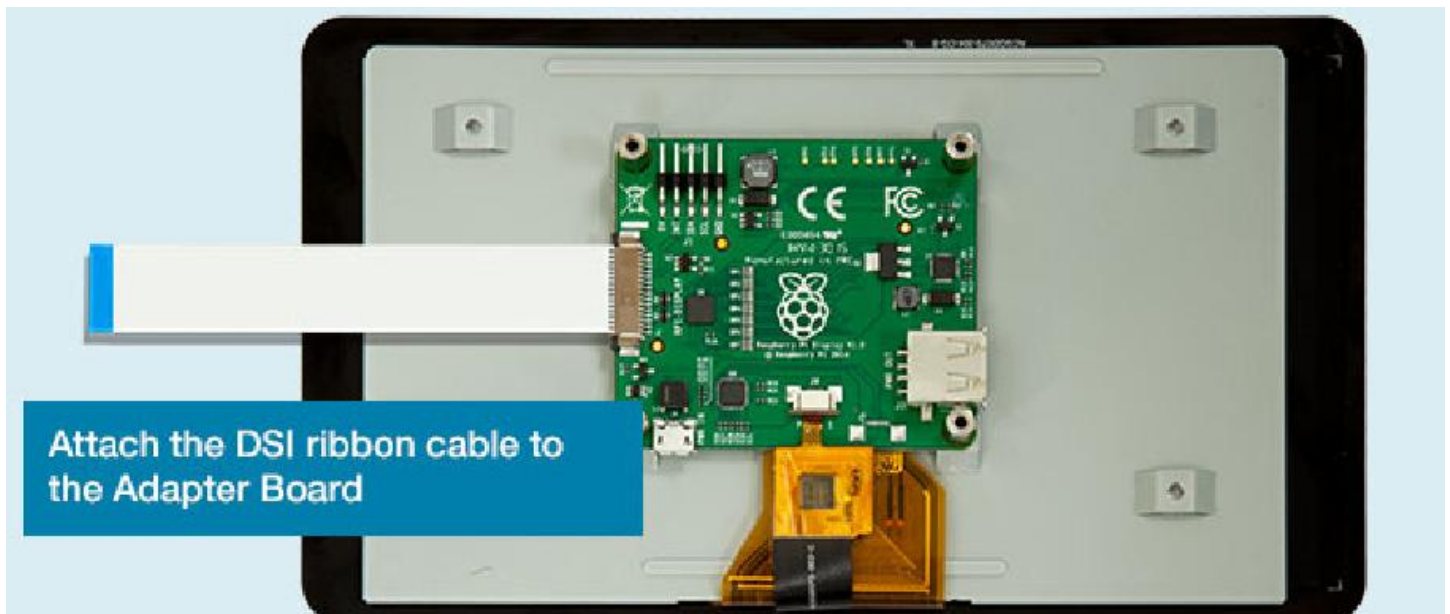
Raspberry Pi2 GPIO Header

Pin#	NAME			NAME	Pin#
01	3.3v DC Power			DC Power 5v	02
03	GPIO02 (SDA1 , I²C)			DC Power 5v	04
05	GPIO03 (SCL1 , I²C)			Ground	06
07	GPIO04 (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	GPIO09 (SPI_MISO)			(GPIO_GEN6) GPIO25	22
23	GPIO11 (SPI_CLK)			(SPI_CE0_N) GPIO08	24
25	Ground			(SPI_CE1_N) GPIO07	26
27	ID_SD (I²C ID EEPROM)			(I²C ID EEPROM) ID_SC	28
29	GPIO05			Ground	30
31	GPIO06			GPIO12	32
33	GPIO13			Ground	34
35	GPIO19			GPIO16	36
37	GPIO26			GPIO20	38
39	Ground			GPIO21	40

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5V PIN   GND PIN

PIN 2   PIN 6
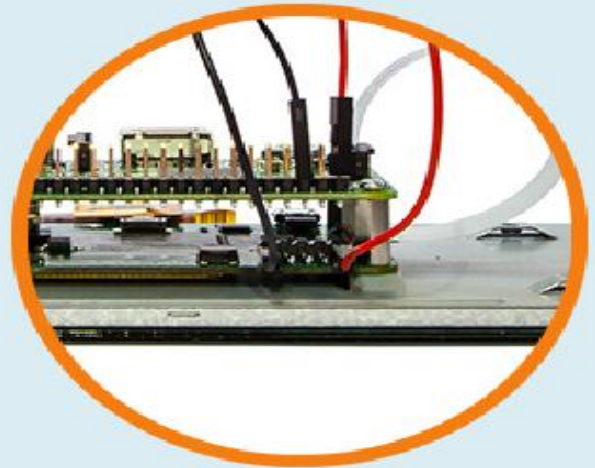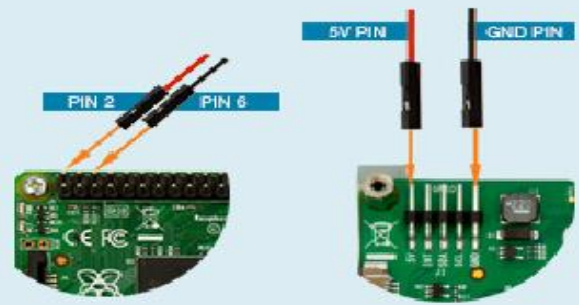
STEP 7

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.