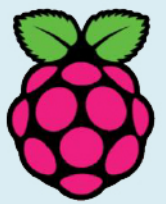
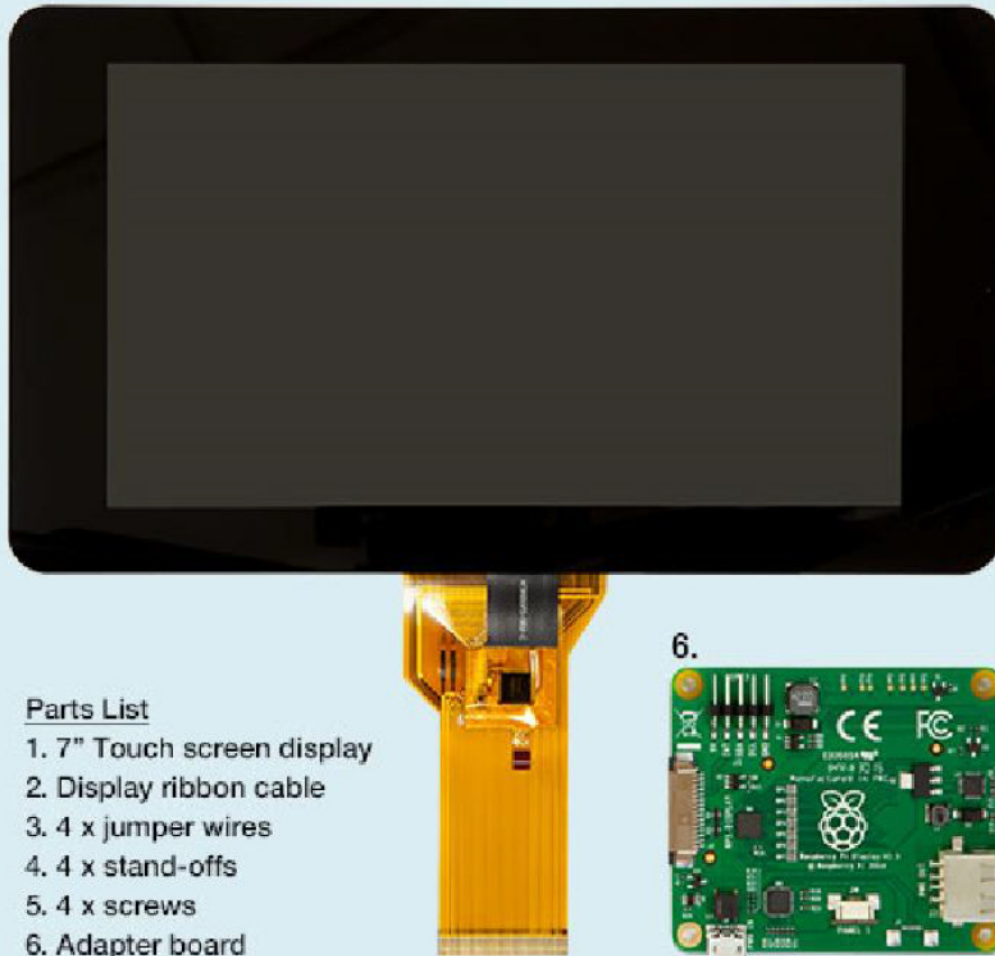


# How to assemble the RPi touchscreen display



RaspberryPi

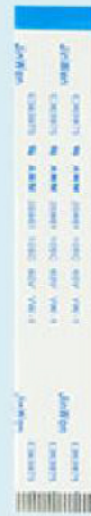
1.



## 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

2.



3.



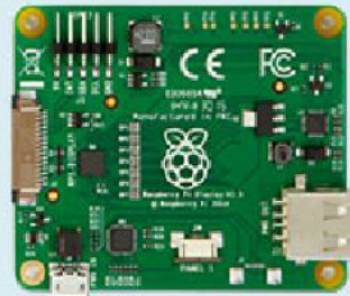
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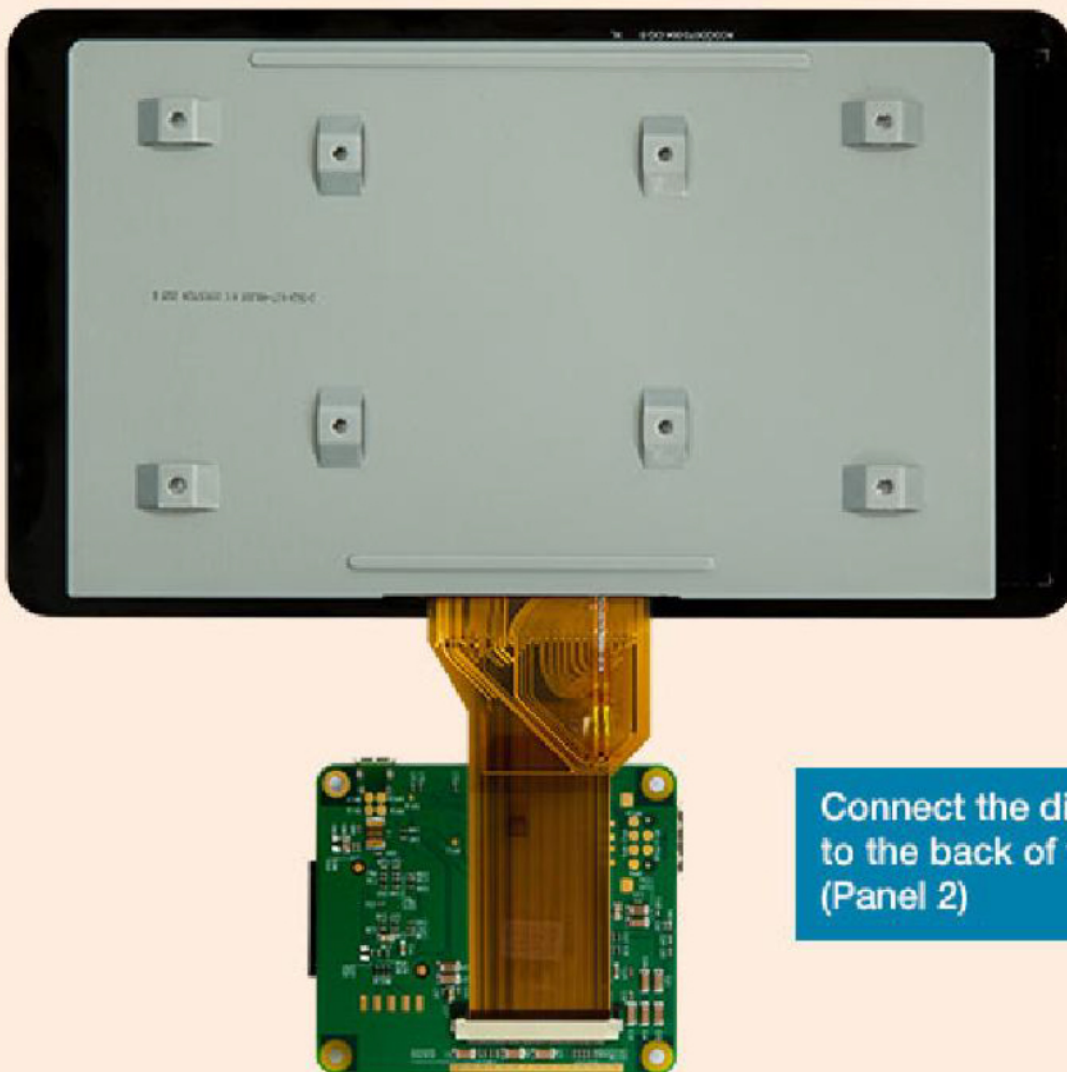
5.



6.



## STEP 1



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

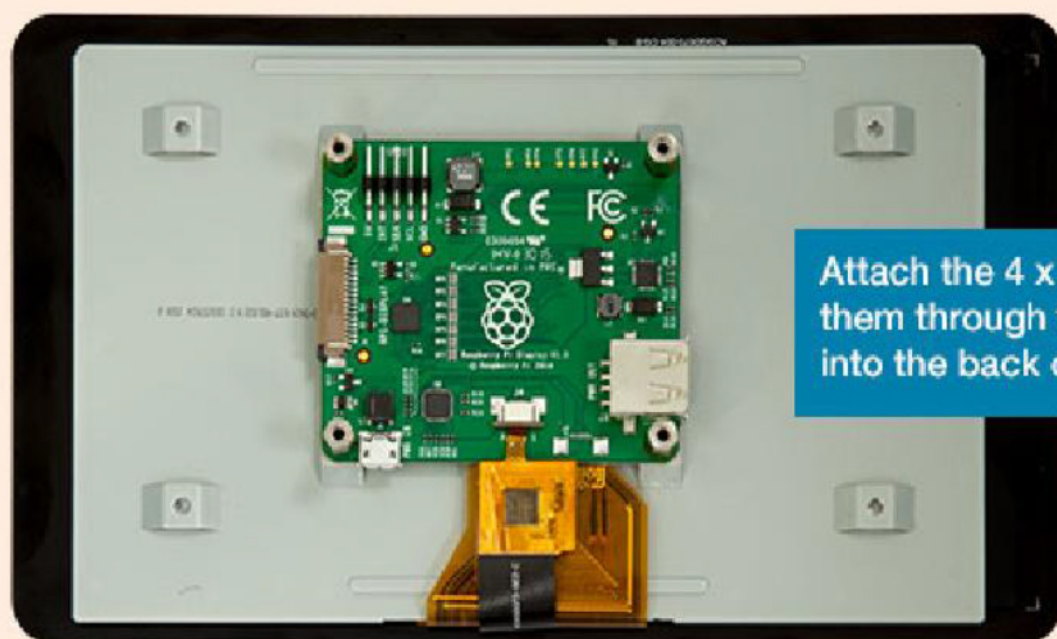
## STEP 2



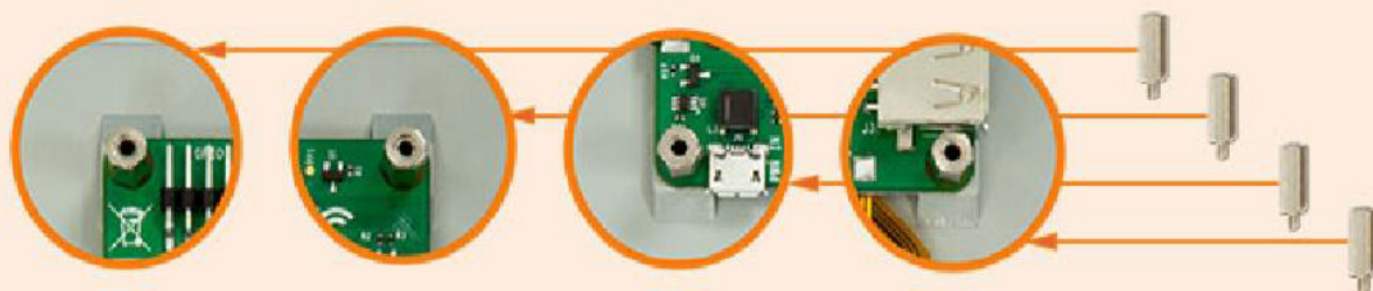
Lie the adapter board onto the back of the display then connect the touch screen ribbon cable into J4 (Panel 1)



### STEP 3

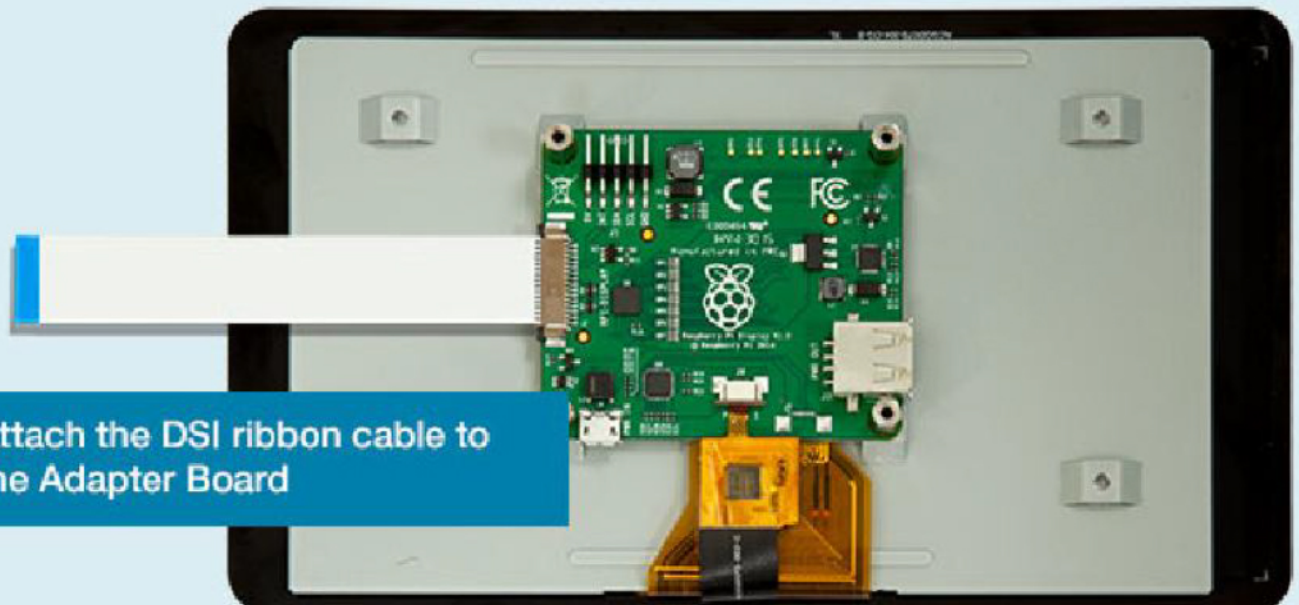


Attach the 4 x Standoffs & screw them through the adapter board into the back of the display



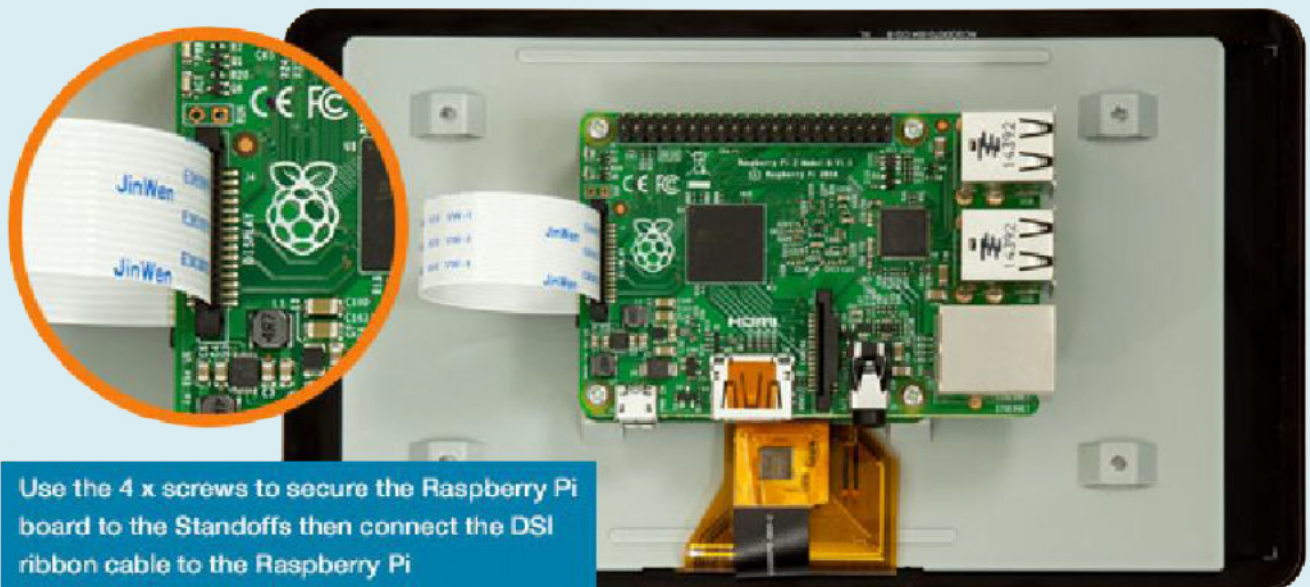


## STEP 4

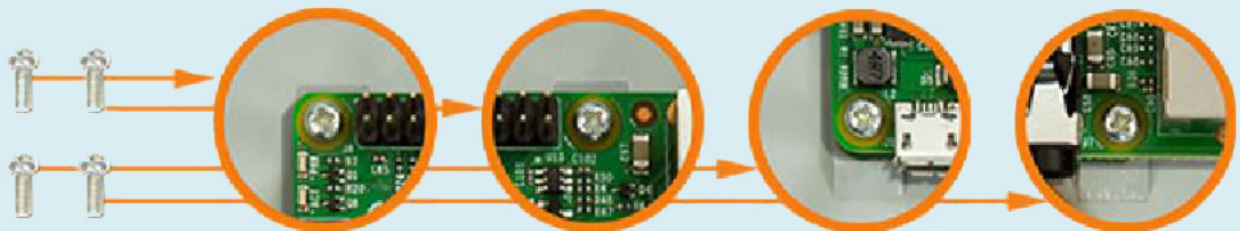


Attach the DSI ribbon cable to the Adapter Board

## STEP 5



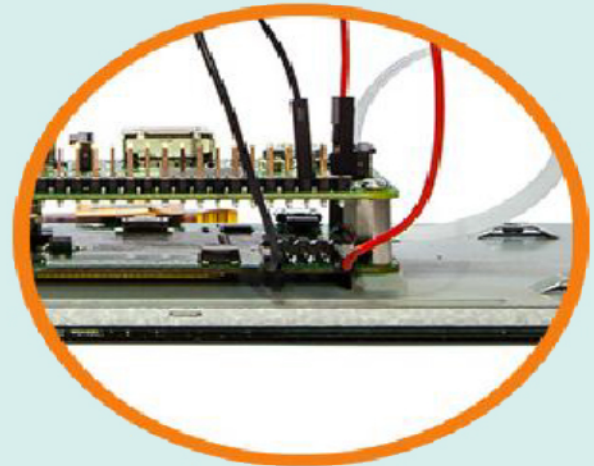
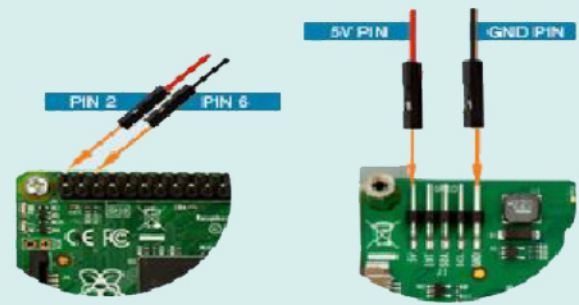
Use the 4 x screws to secure the Raspberry Pi board to the Standoffs then connect the DSI ribbon cable to the Raspberry Pi



## STEP 6

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

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) GPIO16	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	GPIO19 (SPI_MISO)	(GPIO_GEN6) GPIO25	22
23	GPIO11 (SPI_CLK)	(SPI_CE0_N) GPIO26	24
25	Ground	(SPI_CE1_N) GPIO27	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



## 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.

