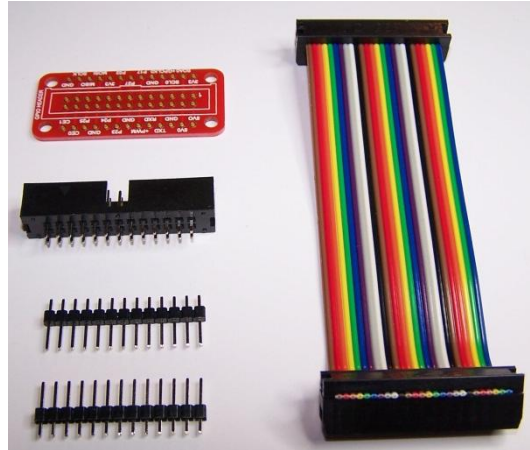# RASPBERRY Pi ® GPIO BREAKOUT BOARD
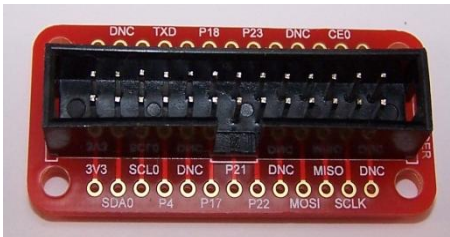
The kit consists of the following items;

- 100mm Rainbow Cable Assembly x 1

- Printed Circuit Board (PCB) x 1

- 13 way Pin Header x 2

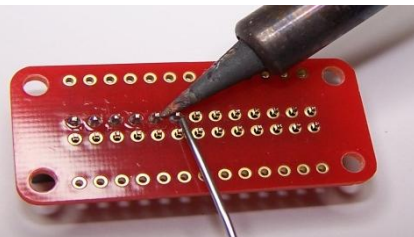- 26 way Box Header Connector x 1

This breakout board enables you to bring the Raspberry Pi ® GPIO connections out from the board onto a breadboard or other suitable substrate.

 This kit will need to be soldered together and then used in conjunction with a suitable 2.54mm pitch Breadboard such as http://cpc.farnell.com/_/bb-301/mountable-bread-board-270-contact/dp/PC01233 (not supplied).
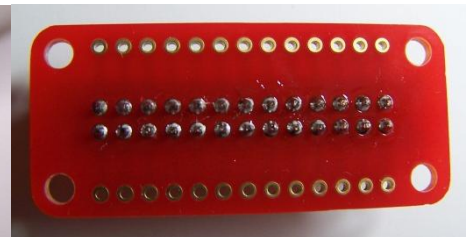
Assembly Instructions

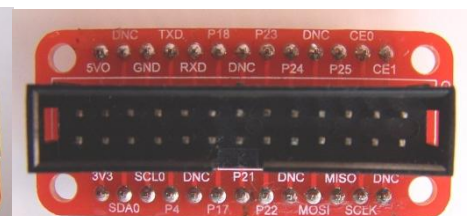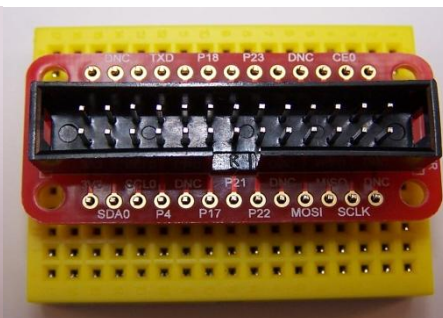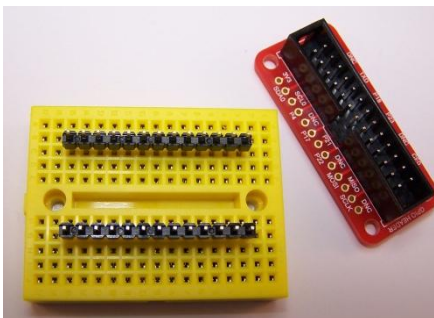**1. Insert the Box Header as shown.**

2. Turn board over and solder pins.

Follow your soldering equipment guide re soldering temperatures and solder

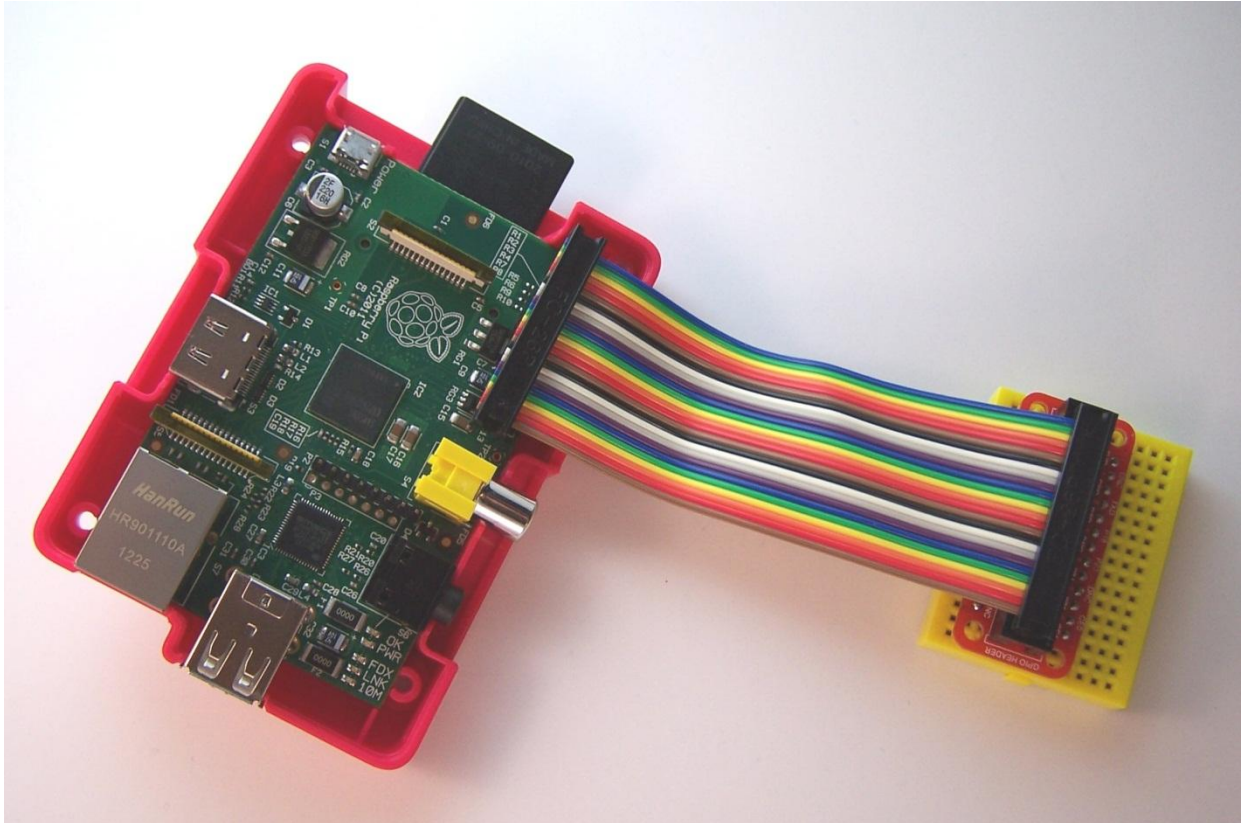**3. When you have soldered all 26 pins it's time to add the Pin Headers as below**

4. Solder all 26 pins of the pin headers

This can be a little fiddly if you are new to soldering but try placing the pin headers into a breadboard or piece of plasticine so that it does not move

5. Time to plug in the Cable assembly to the Breakout Board – it can only go in one way due to the bump on the cable assembly connector which locates into the cut out of the 26 way connector which is now on the PCB.

IMPORTANT – When you plug the cable assembly into the GPIO connector on the Pi make sure it has the orientation as shown below.

Happy Prototyping!!