PiPod Build Instructions

Kit Contents

The kit for building your PiPod should consist of the following parts:-

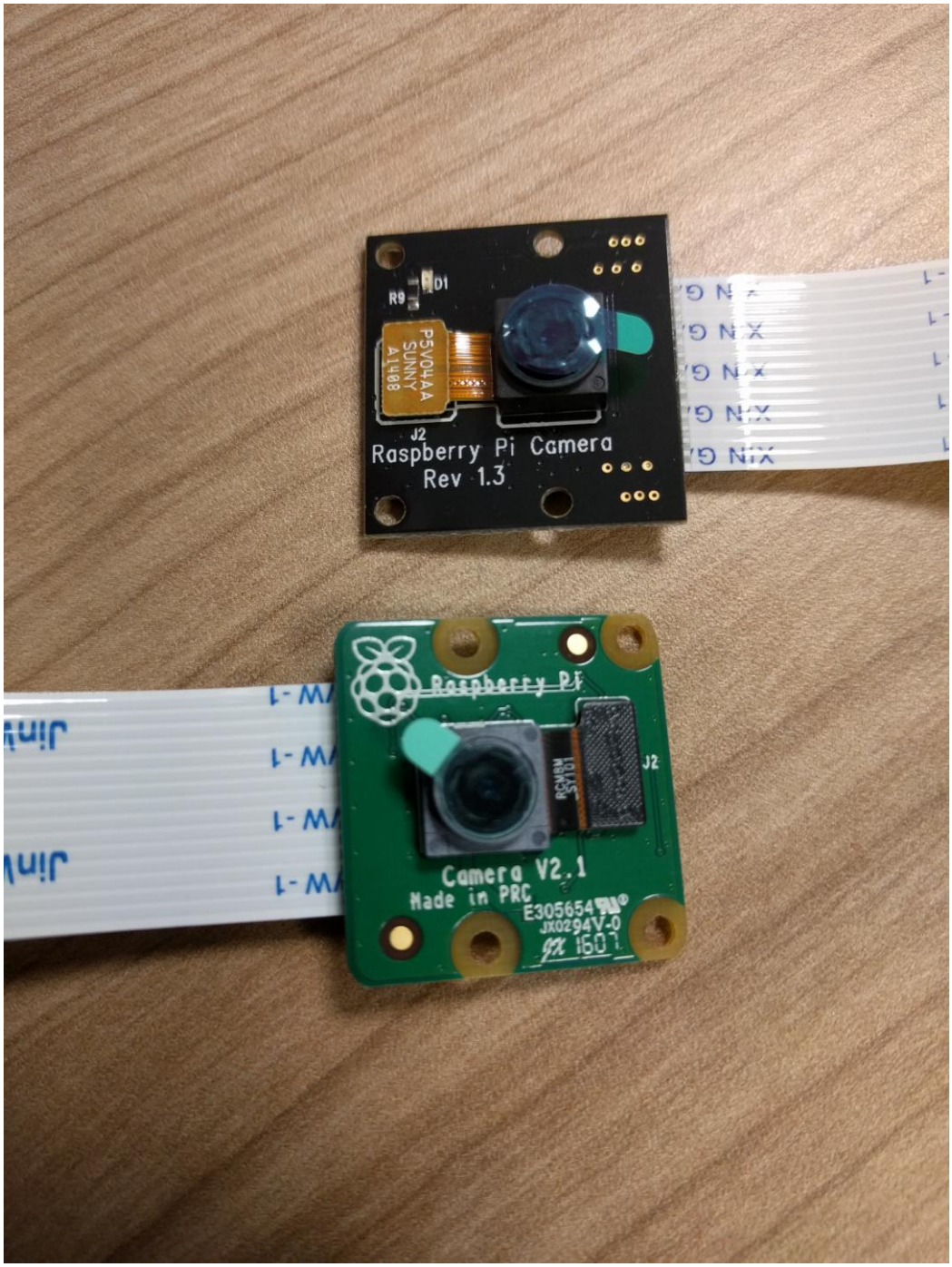
- Perspex mounting bracket
- Perspex back plate
- 4 x M2 12mm nylon screws
- 12 x M2 nylon nuts
- Steel mounting nut
- Tripod

In addition to these parts, you will also require a small flat head screwdriver.

Build Instructions

1. Firstly remove the protective film from the Perspex mounting bracket and back plate.

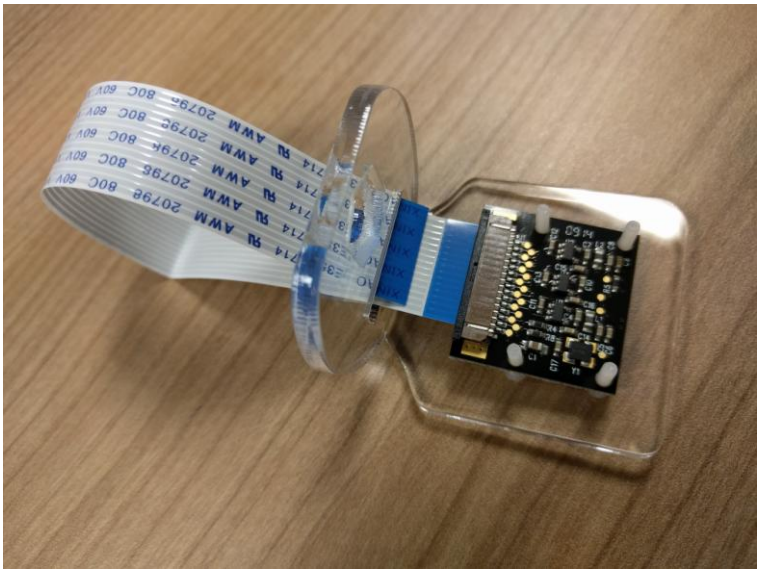
2. Following this, the assembly of the PiPod will vary, depending on the version of camera board that you have. The version of camera board may be found on the front face of the camera board itself, adjacent to the camera lens (for example ‘Rev 1.3’ or ‘Camera V2.1’).


R9
D1
P5V04AA
SUNNY
A1408
J2
Raspberry Pi Camera
Rev 1.3
Raspberry Pi
J2
Camera V2.1
Made in PRC
E305654
JX0294V-0

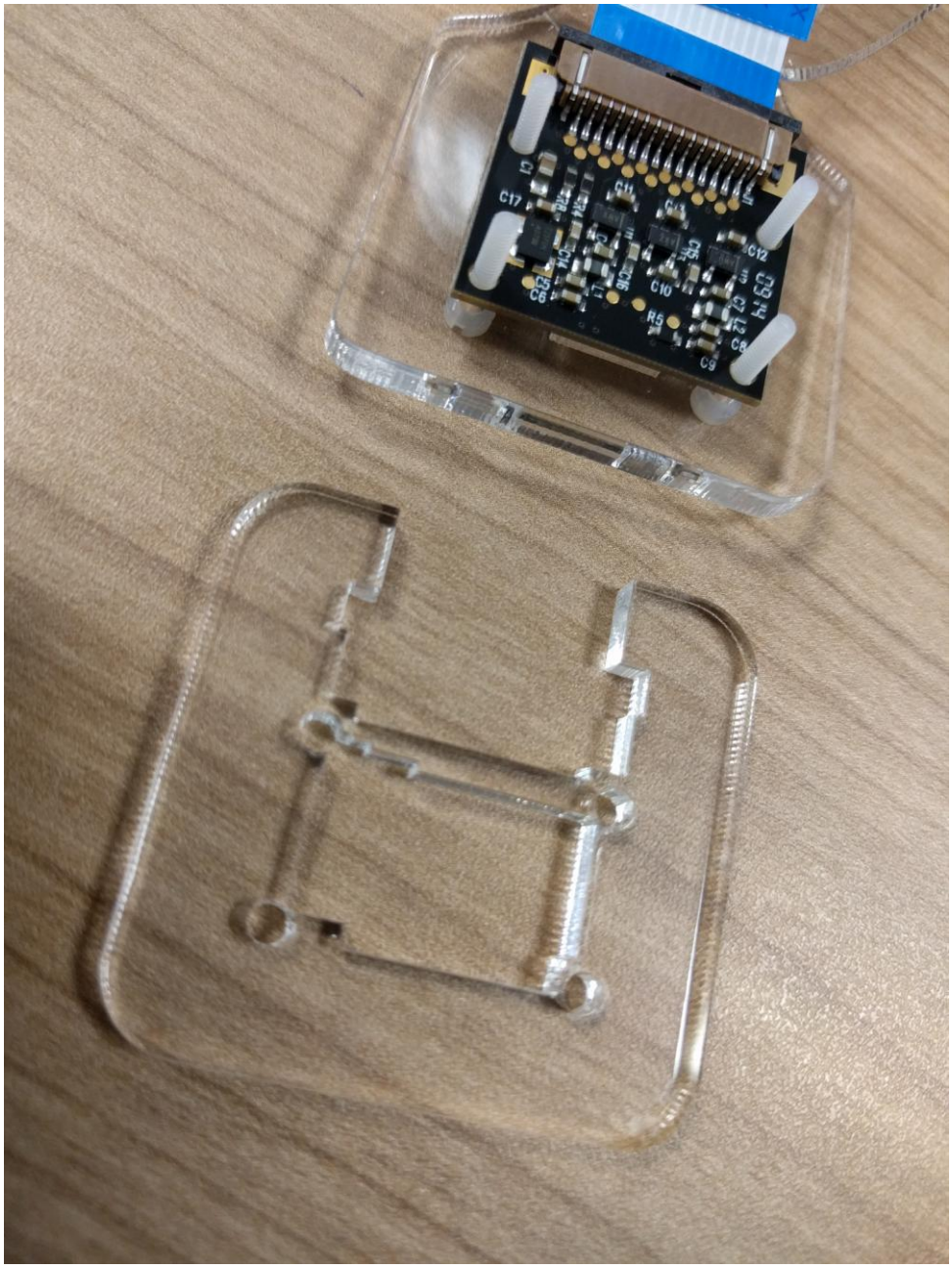
Version 1 Camera Board

1. Take the 4 nylon screws and pass the screws through the 4 round holes in the Perspex mounting bracket from the front.

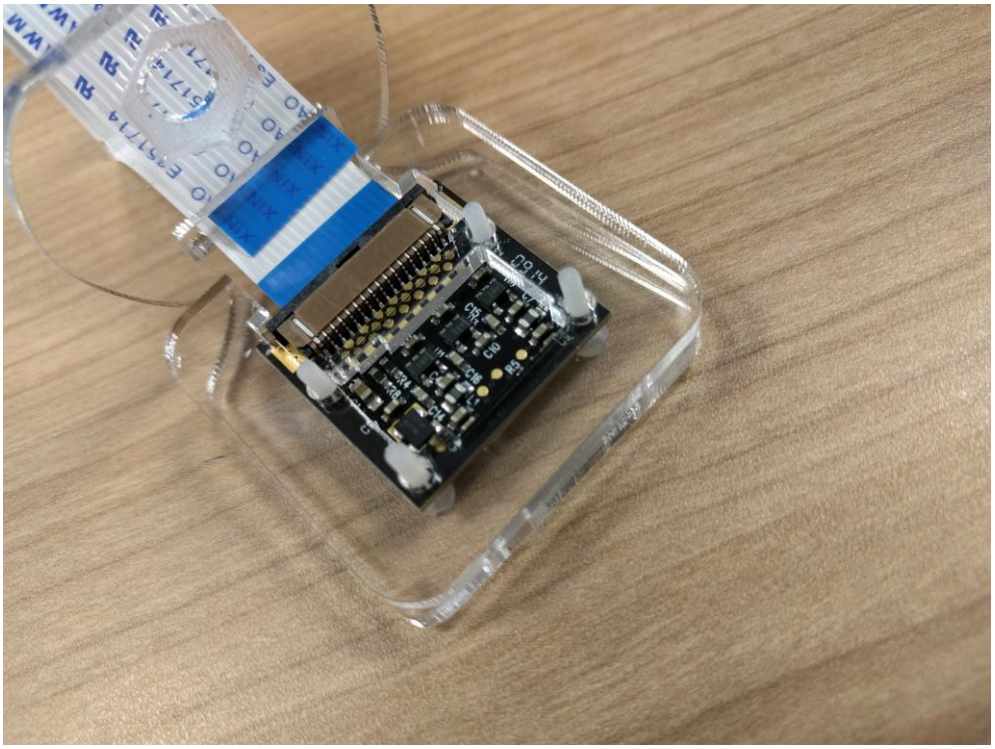
2. Thread the ribbon cable at the bottom of the Pi camera board through the long rectangular slot at the bottom of the Perspex mounting bracket. The camera board should be oriented such that the camera lens is pointing toward the front of the mounting bracket.
3. Place the camera board onto the screws such that the camera lens is protruding through the bottom square hole in the front of the Perspex mounting bracket.



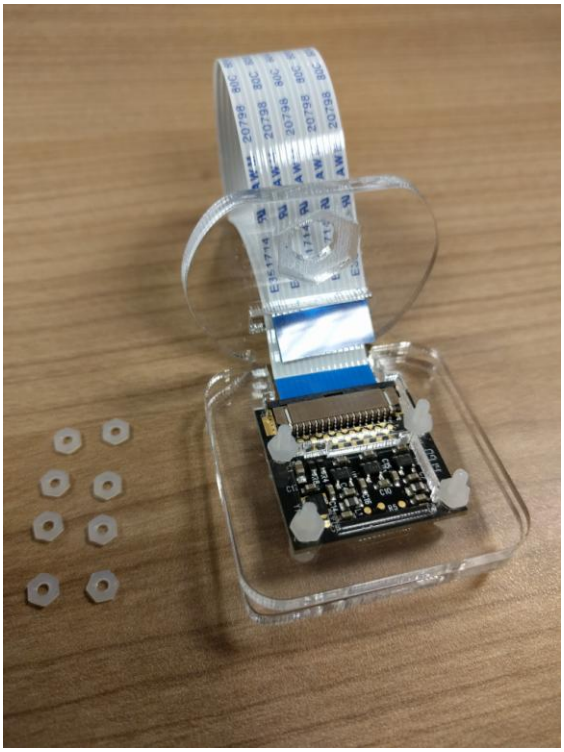
4. Take the Perspex back plate, and orient it such that the cut outs in the central rectangular hole are aligned as shown in the image below. Because of the placement of chips on the rear of the camera board, this Perspex back plate will only fit correctly if fitted the right way round.



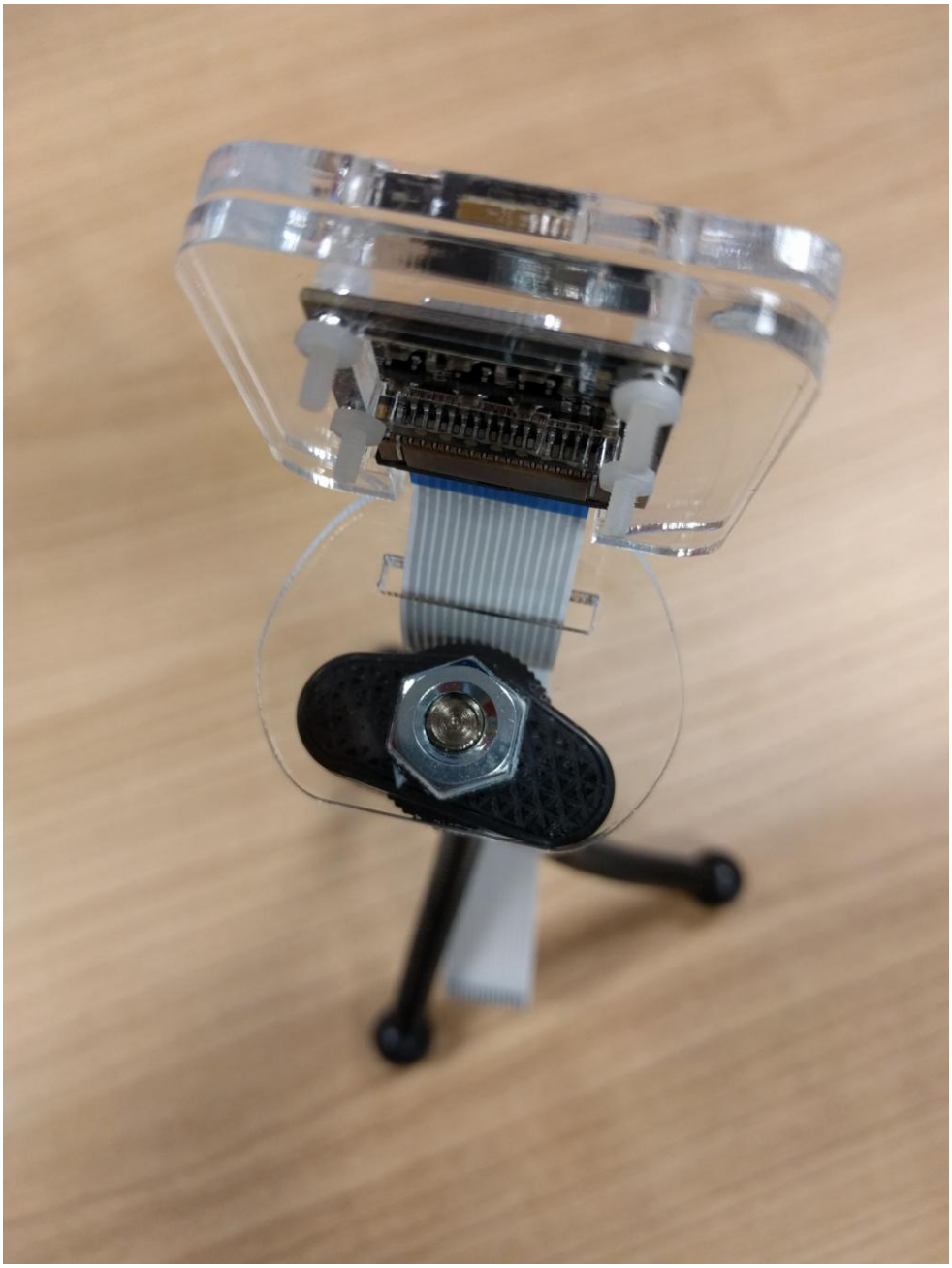
5. Place the Perspex back plate over the 4 nylon screws such that the open slot in the Perspex back plate is over the camera ribbon cable.



6. Take 4 nylon nuts, and use them to secure the Perspex back plate in place. The remaining 8 nylon nuts are not required.



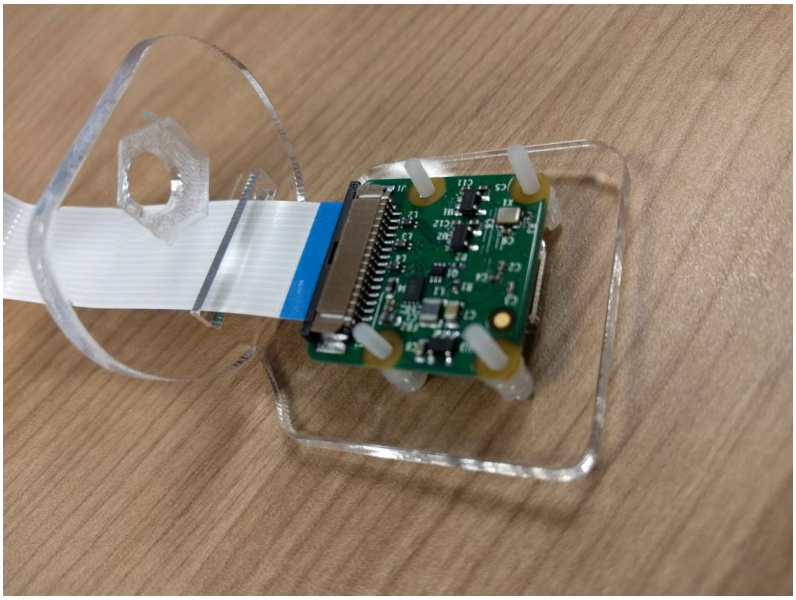
7. Place the steel mounting nut into the hexagonal recess in the base of the Perspex mounting bracket. Pass the steel screw in the tripod through the base of the Perspex mounting bracket, and use the thumbscrew to tighten it into the steel mounting nut.



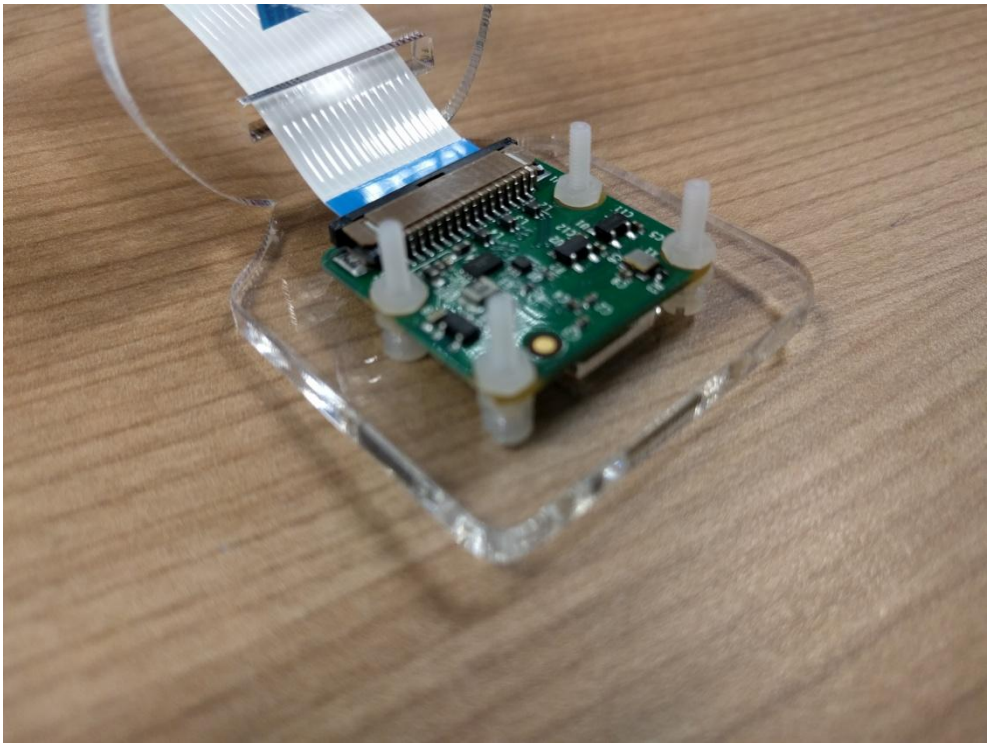
Version 2 Camera Board

1. Take 4 nylon screws and 4 nylon nuts. Pass the screws through the 4 round holes in the Perspex mounting bracket from the front, and fix them in place using the 4 nylon nuts.

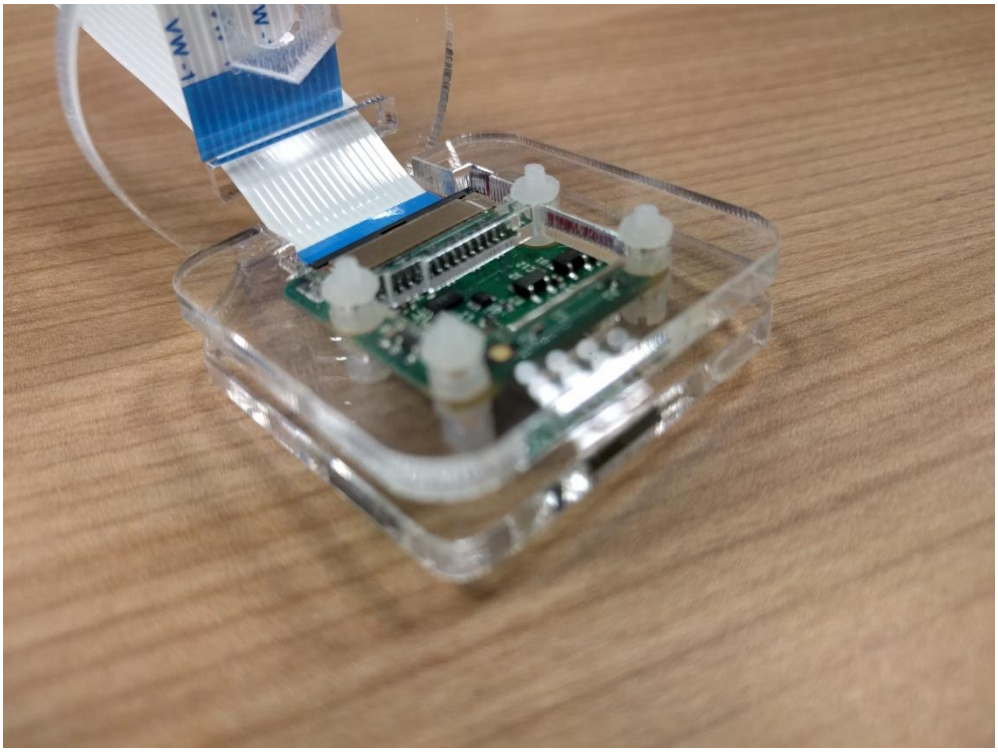
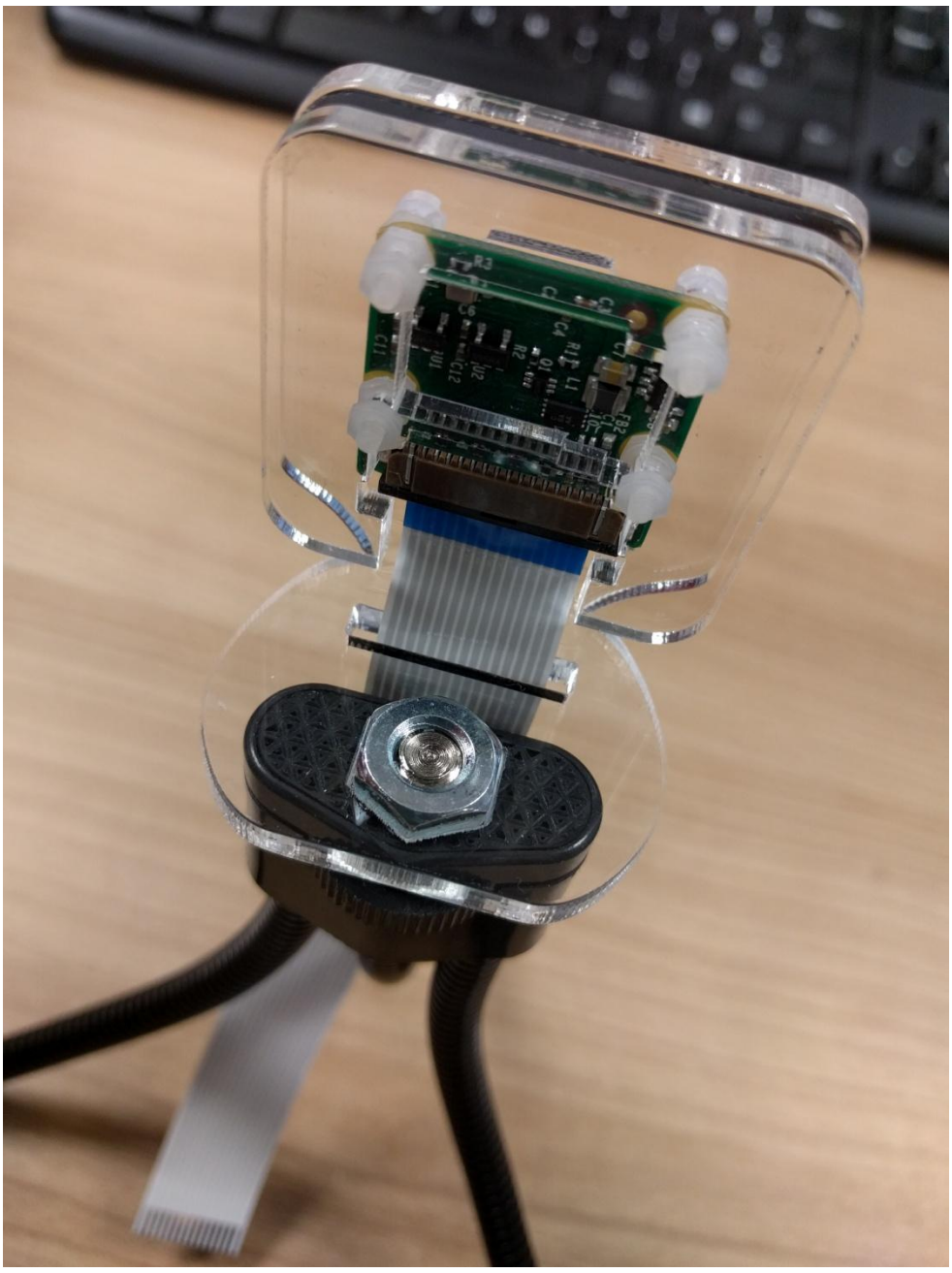
2. Thread the ribbon cable at the bottom of the Pi camera board through the long rectangular slot at the bottom of the Perspex mounting bracket. The camera board should be oriented such that the camera lens is pointing toward the front of the mounting bracket.
3. Place the camera board onto the screws such that the camera lens is protruding through the bottom square hole in the front of the Perspex mounting bracket.



4. Take 4 more of the nylon nuts, and use them to fix the camera board in place.



5. Place the Perspex back plate over the 4 nylon screws such that the open slot in the Perspex back plate is over the camera ribbon cable. The Perspex back plate may be fitted either way round for the Version 2 camera board, provided the open slot is aligned with the ribbon cable.
6. Take the remaining 4 nylon nuts, and use them to secure the Perspex back plate in place.



7. Place the steel mounting nut into the hexagonal recess in the base of the Perspex mounting bracket. Pass the steel screw in the tripod through the base of the Perspex mounting bracket, and use the thumbscrew to tighten it into the steel mounting nut.