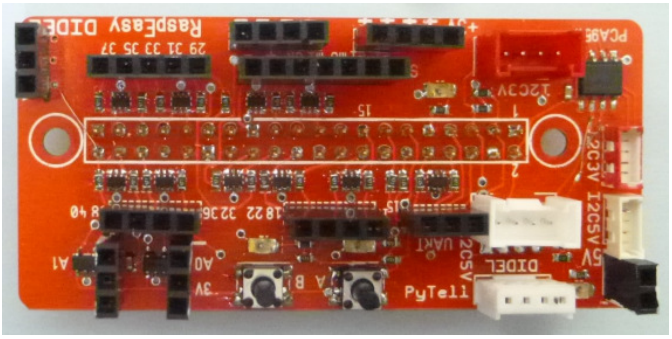
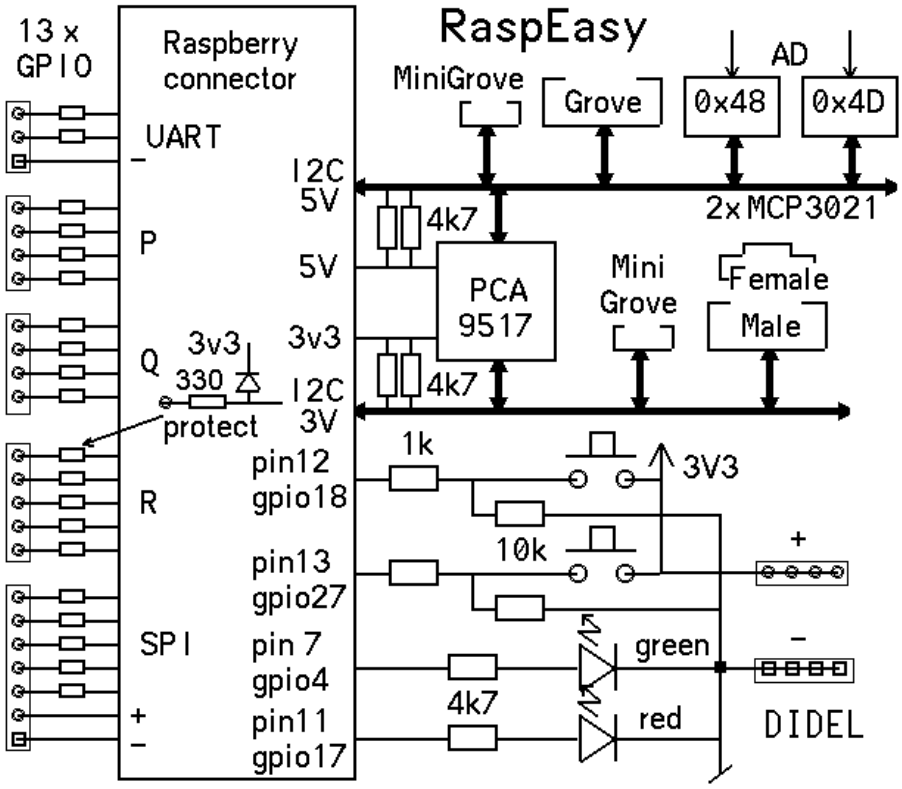
RaspEasy Raspberry experiment board

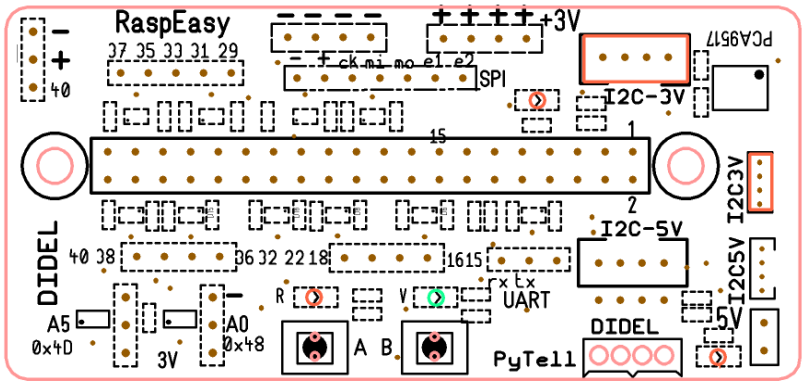


Didel RaspEasy is a very complete and easy to use piggyback board for your Raspberry, with protection, easy connector access, I2C 3V and 5V, 2 leds, 2 push buttons and 2 A/D converters..
It has been designed for education by experienced teachers. It is also perfect for developing applications.
See the block diagram, what else could you possibly wish for your experiments?

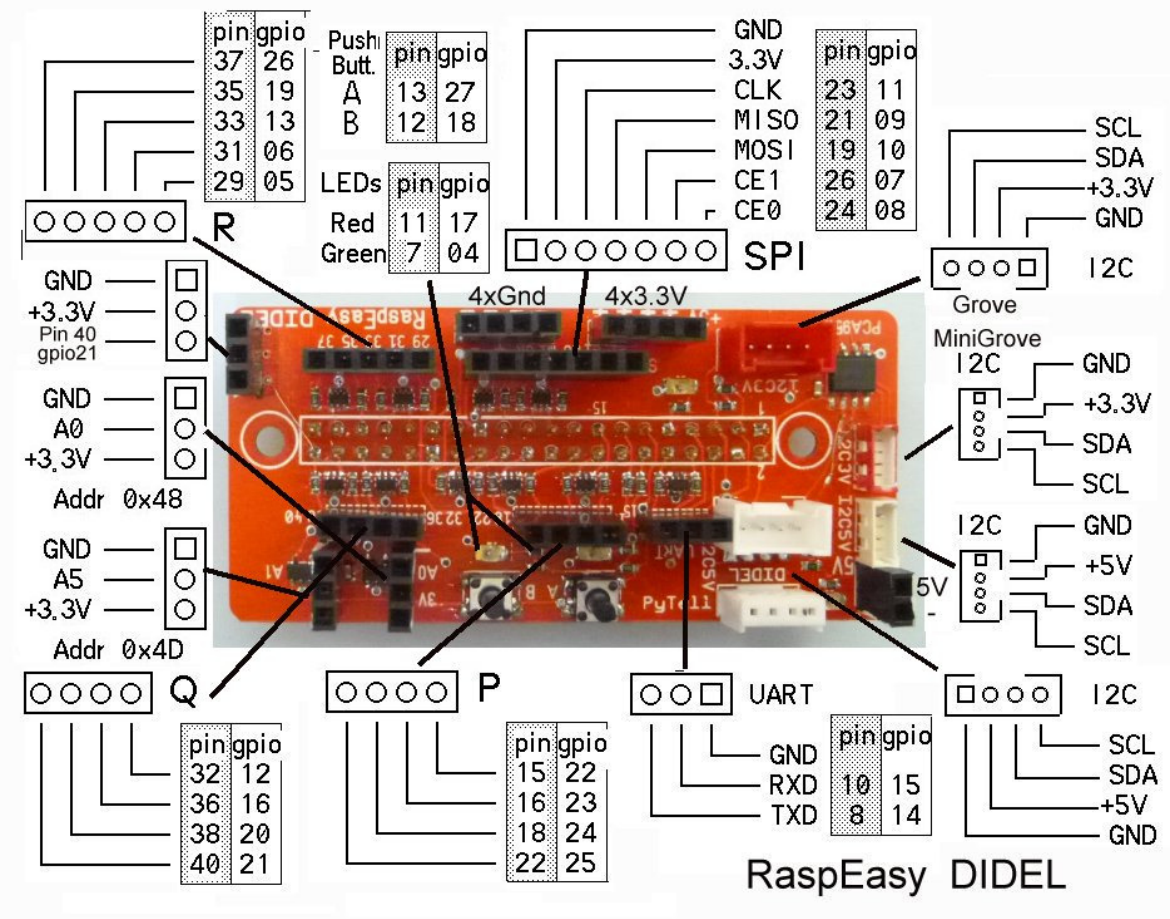
Software: any GPIO tutorial, but do not miss the best one: http://www.python-exemplary.com/index_en.php?inhalt_links=navigation_en.inc.php&inhalt_mitte=raspi/en/raspeasy.inc.php
Shorter link (till march 2019?) goo.gl/1Qn1i5



This is the layout of the board with its rather clear labeling.

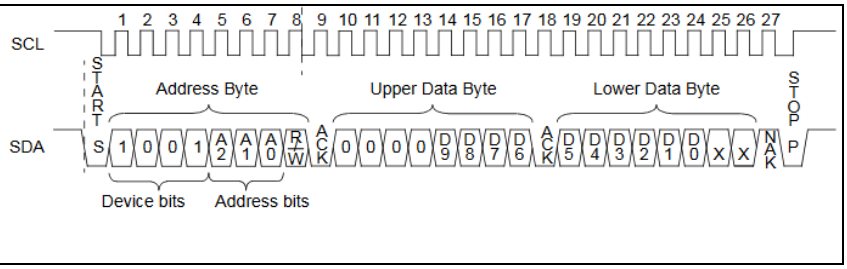


Plenty of well documented signals



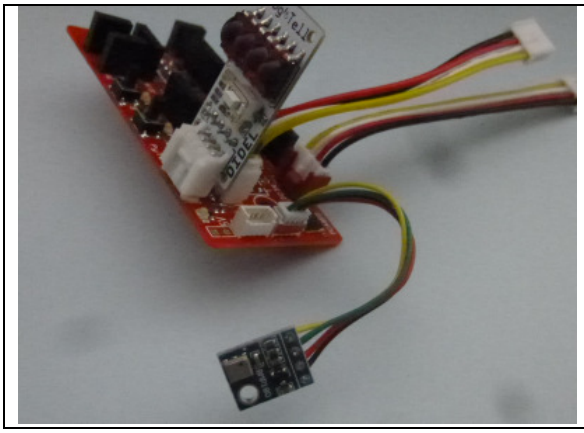
Analogue inputs

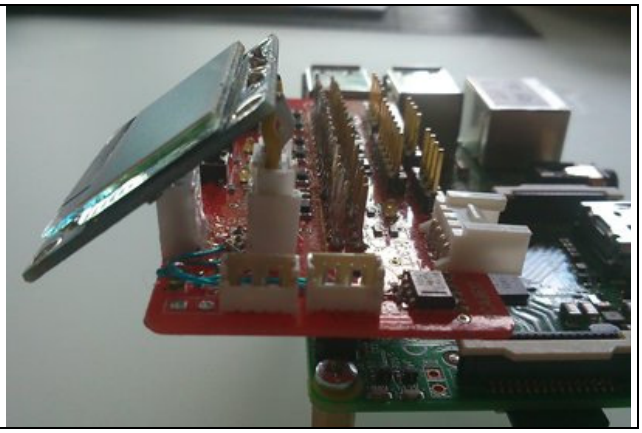
There are 2 analogue inputs with 11 bit precision (MCP3021circuit)
Read the 2 bytes at address 0x48 (72) or 0x4D (77) and shift the 16-bit result.2 bits right



I2C connectors

The Raspberry provides an easy to use 3.3V I2C connector. The RaspEasy includes a PCA9517 , an I2C voltage converter, that gives access to 5V I2C on three connectors: a Grove female, a custom Grove male (for certain applications) and a miniGrove promoted by Didel.
The Molex 1.25mm Minigrove connector uses the same pin order as the Grove. This connector is by sure preferable to the Grove connectors and rigid cables in many applications. Molex cables can be soldered directly to the I2C sensor modules easy to get nowadays.





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