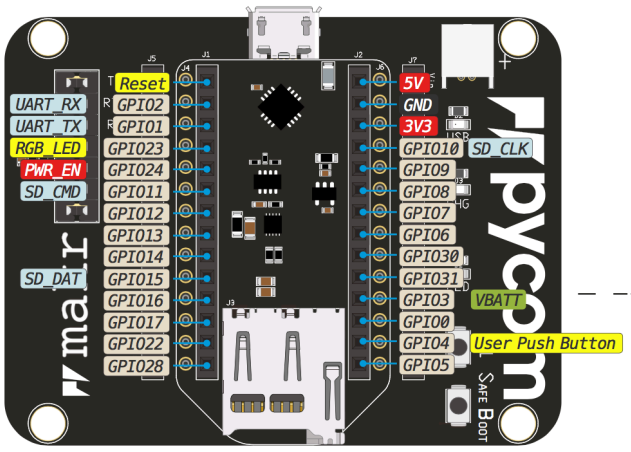
Pycom conversie P and G numbers (ordered by P-numbers)

G (Expansion board v3)	GPIO ESP32-pin	P (Lopy4 datasheet)
G2	GPIO3	**P0**
G1	GPIO1	**P1**
G23	GPIO0	**P2**
G24	GPIO4	**P3**
G11	GPIO15	**P4**
G12	GPIO5	**P5**
G13	GPIO27	**P6**
G14	GPIO19	**P7**
G15	GPIO2	**P8**
G16	GPIO12	**P9**
G17	GPIO13	**P10**
G22	GPIO22	**P11**
G28	GPIO21	**P12**
G5	GPI36	**P13**
G4	GPI37	**P14**
G0	GPI38	**P15**
G3	GPI39	**P16**
G31	GPI35	**P17**
G30	GPI34	**P18**
G6	GPIO32	**P19**
G7	GPIO33	**P20**
G8	GPIO26	**P21**
G9	GPIO25	**P22**
G10	GPIO14	**P23**

Pycom conversie P and G numbers (ordered by G-numbers)

G (Expansion board v3)	GPIO ESP32-pin	P (Lopy4 datasheet)
G00	GPI38	P15
G01	GPIO1	P1
G02	GPIO3	P0
G03	GPI39	P16
G04	GPI37	P14
G05	GPI36	P13
G06	GPIO32	P19
G07	GPIO33	P20
G08	GPIO26	P21
G09	GPIO25	P22
G10	GPIO14	P23
G11	GPIO15	P4
G12	GPIO5	P5
G13	GPIO27	P6
G14	GPIO19	P7
G15	GPIO2	P8
G16	GPIO12	P9
G17	GPIO13	P10
G22	GPIO22	P11
G23	GPIO0	P2
G24	GPIO4	P3
G28	GPIO21	P12
G30	GPI34	P18
G31	GPI35	P17



Expansion board v3 (april 2018)

Battery Charger

The Expansion Board features a single cell Li-Ion/Li-Po charger. When the board is being powered via the micro USB connector, the Expansion Board will charge the battery (if connected). When the `CHG` jumper is present, the battery will be charged at `450mA`. If this value is too high for your application, removing the jumper lowers the charge current to `100mA`.

To use the battery, pull `P8/G15` high (connect to `3v3`). If you want to use the SD card as well, use a 10k pull-up.