GPS

External I/O

Power and Voltage sensing

Power

2m Transceiver

Camera connector, Atmosphere sensor, Micro SD card

LED STATES

GREEN	Watchdog normally flashing every 5 seconds
RED	Transceiver transmitting
GREEN	Transceiver receiving
YELLOW	Camera actived LED
RED (GPS)	GPS active LED, blinking if GPS locked
BLUE	APRS packet received

POWER BUSSES

+SOL	The solar cells are connected here
+BATT	The battery is connected here
VDD	Connection between solar charger and voltage regulators. VDD and +BATT is almost the same but there is a 0.1R current sense resistor in between.
VCC	Core bus. This Bus is connected to the STM32, BME280 and KT2016 The voltage of the bus may vary between 1.8V and 3.0V, which is set by R7 and R8. In order to save power, you should use 1.8V. If you want to use The USB-interface you must use 3.0V.
+3V3	This Bus has actually 3.4V and poweres the transceiver in order to get 20 dBm. It is also connected to the PAC1720 and SD card because they needs at least 3.0V.
+VCC_GPS	GPS power bus including the LED
+VDDA	Analog voltage for the camera
+1V8	Core and I/O voltage for the camera

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