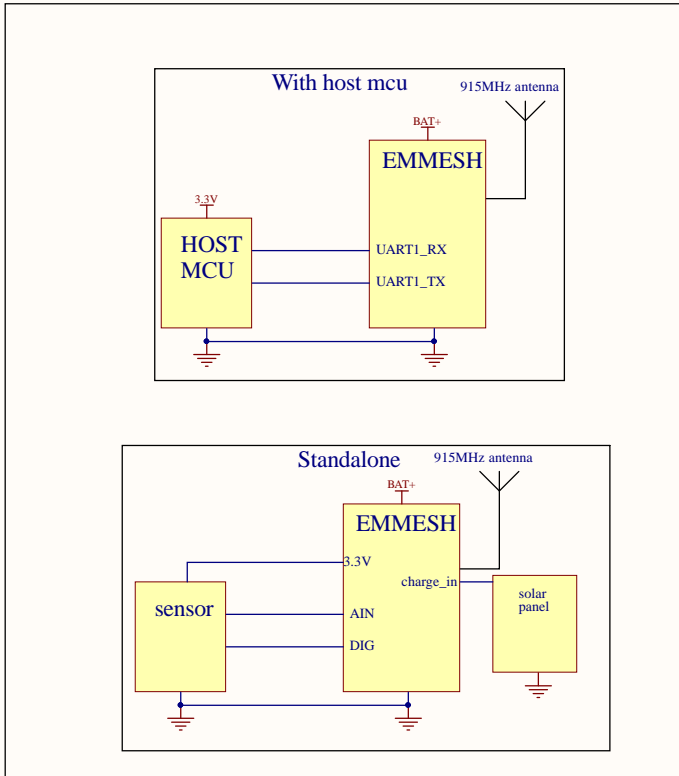


Hardware Connections



U.FL CONNECTOR
ANTENNA
50 Ohms
915MHz antenna



3.3V	output from internal supply. Can deliver up to 100mA
SCK SDO SDI	Internal SPI bus, shared with flash memory and RF 1Mbps max SCK:serial clock/ SDI:serial data in / SDO:serial data out
PWM1/DIG4 PWM2/DIG3	Multipurpose I/O. Can be used as digital input digital output or PWM output or CAN.
AIN1/DIG1 AIN2/DIG2	Multipurpose I/O. Can be used as digital input digital output and Analog input(0-2V). Dig2 can be used as PWM output
UART1_RX UART1_TX	Main UART: use it to interface with Emmesh (115200 N,8,1, 3.3V) can be used as PWM output
UART2_RX UART2_TX	Secondary UART (115200 N,8,1, 3.3V) Can be used as digital input or output or I2C
PPR	Power Present: output pin from charger to signify that power is present at the input of the charger.(open drain) pulled to GND when power is present
CHARGE_IN	Power input of the charger; ex: solar panel(max 10V)
CHARGE	output pin from charger to indicate battery charging (open drain) pulled to GND when in charge
ICSP	In Circuit Serial Programming used to update firmware
BAT+	Power input : 3.4V to 5.5V ex: Lithium Battery it is also the output of the internal charger
GND	Ground reference

