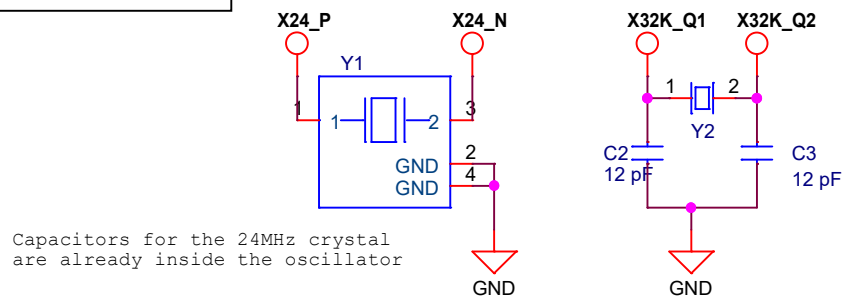
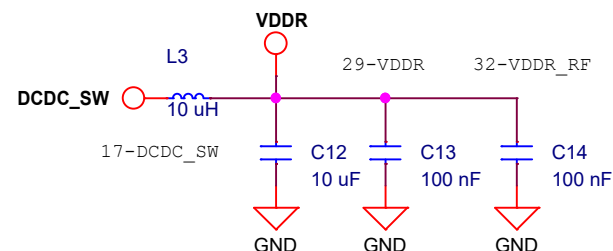


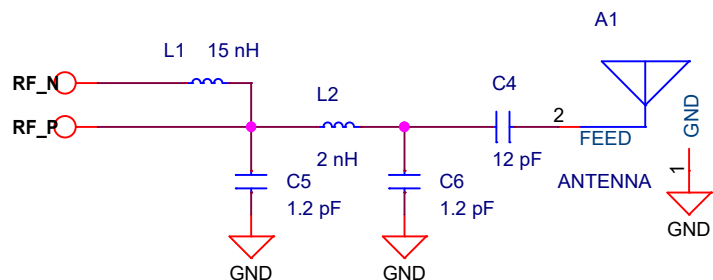
CRYSTAL OSCILLATORS



VDDR Decoupling Capacitors

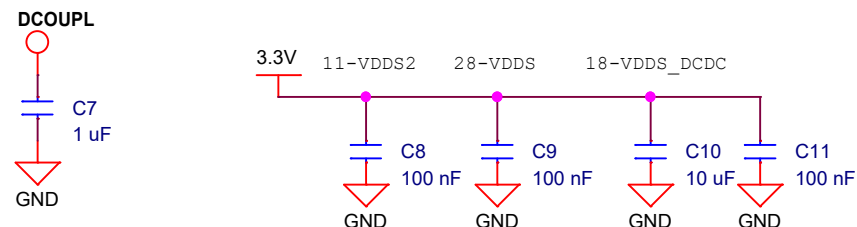
**ANTENNA**

Antenna conection: Single ended operation

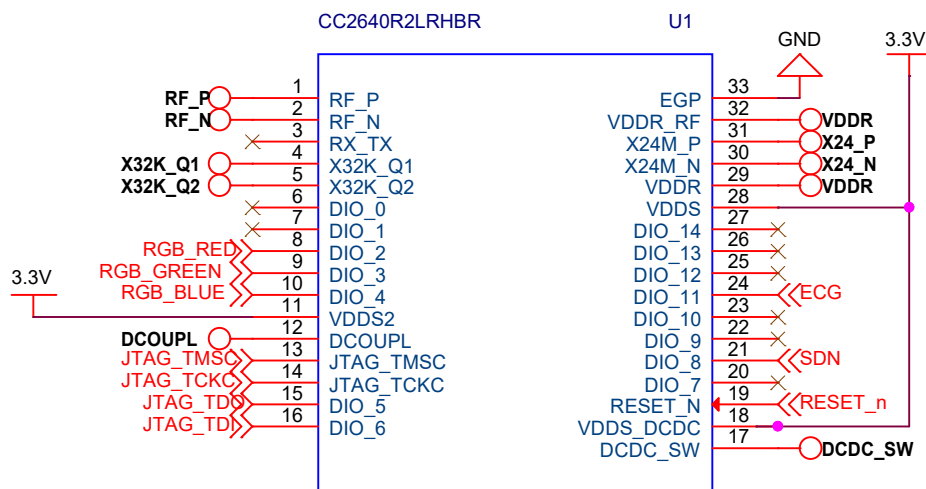


VDDR Decoupling Capacitors

VDDS Decoupling Capacitors



MICROCONTROLLER



RHB Package
32-Pin VQFN (5-mm × 5-mm)

Power consumption:

- Active mode RX: 5.9 mA
- Active-mode TX at 0 dBm: 6.1 mA
- Active-mode TX at +5 dBm: 9.1 mA
- Active-mode MCU: 61 μ A/MHz
- Standby: 1.5 μ A
- Shutdown: 100 nA

uC ble to drive the RGB LED, providing 4 mA for each pin.
Pin 8,9 and 10 have high-driving capabilities, able to provide up to 8 mA.

The analog signal emitted by the AD8232 sensor is received on pin 24 and internally converted to a digital value (through internal ADC on the same pin). Pin 21 is connected to the SDN pin of the sensor in order to control its power mode : in order to save power it is hence possible to shutdown temporarily the sensor by driving the SDN signal low.

CAPOZZOLI - MARCHEI				
Title Micro				
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