

USB-C Port and Protection

The diagram shows a Digi XBee RF Module (U2) with the following components and connections:

- Power Supply:** A +3V3 supply is connected to the module's VCC pin (pin 2). A network of capacitors (C7: 10uF, C8: 1uF, C9: 0.1uF) and a resistor (R6: 100k) is connected to the power pins. A 10nF capacitor (C10) is connected to the !RESET pin (pin 6).
- RF Output:** The RF pin (pin 33) is connected to a 1k resistor (R5) and a diode (D2) in series to ground.
- Module Pins:** The module has 34 pins in total. Pins 1-4 are labeled XB_TX, XB_RX, XB_CTS, and XB_RTS. Pins 5-16 are labeled DIO12 through DIO15/SPI_MISO. Pins 17-19 are labeled DIO16/SPI_MOSI, DIO17/SPI_SSSEL, and DIO18/SPI_CLK. Pins 20-22 are labeled DIO19/SPI_ATTEN/!BOOTMODE, DIO18/SPI_CLK, and DIO17/SPI_SSSEL. Pins 23-25 are labeled DIO16/SPI_MOSI, DIO17/SPI_SSSEL, and DIO18/SPI_CLK. Pins 26-28 are labeled DIO19/SPI_ATTEN/!BOOTMODE, DIO18/SPI_CLK, and DIO17/SPI_SSSEL. Pins 29-31 are labeled DIO16/SPI_MOSI, DIO17/SPI_SSSEL, and DIO18/SPI_CLK. Pins 32-34 are labeled DIO19/SPI_ATTEN/!BOOTMODE, DIO18/SPI_CLK, and DIO17/SPI_SSSEL.

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Size: A4	Date:	Rev:
KiCad E.D.A. kicad (5.1.9)–1		Id: 1/1