

Proteus-II BT Module

The diagram illustrates the wiring for a Proteus-II BT Module (NRF52832) in a Proteus simulation environment. The module is represented by a component labeled 'WIRL-BTLE_2608011024010' with a callout to 'NRF52832'.

Power Connections:

- +3V3:** Connected to pin 7 (VDD) and pin 16 (BT_WAKEUP).
- GND:** Connected to pin 2 (GND) and pin 17 (GND).
- Capacitor C27 (10uF):** Connected between +3V3 and GND.

Control and Status Connections:

- BT_RFS:** Connected to pin 5 (/RESET).
- BT_STATUS:** Connected to pin 11 (LED_1), with a note: "HIGH = Connected".

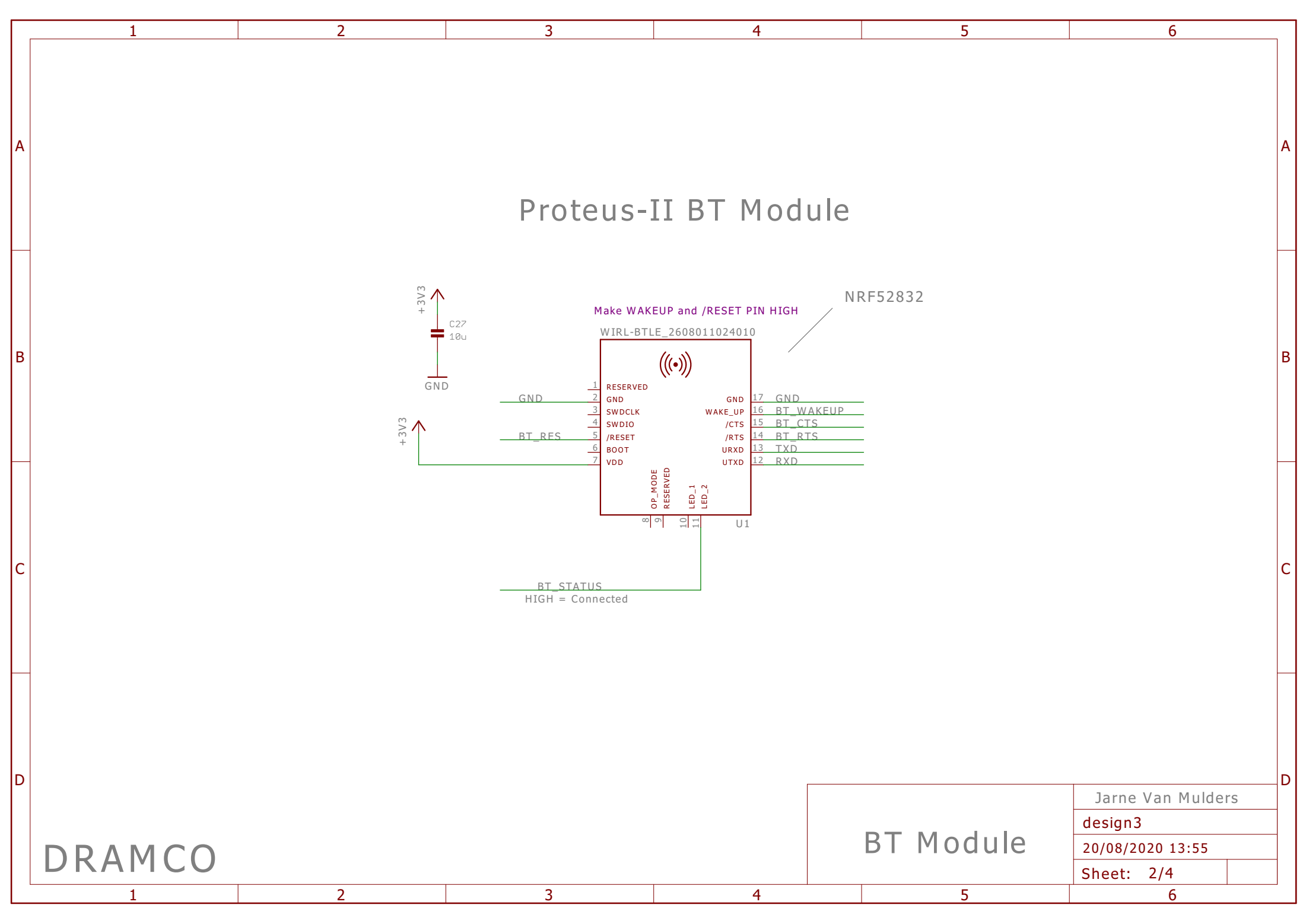
Data Connections:

- TXD:** Connected to pin 13 (TXD).
- RXD:** Connected to pin 12 (RXD).
- BT_CTS:** Connected to pin 15 (BT_CTS).
- BT_RTS:** Connected to pin 14 (BT_RTS).

Other Pins:

- Pins 1 (RESERVED), 3 (SWDCLK), 4 (SWDIO), 6 (BOOT), and 9 (OP_MODE) are shown but not connected.
- Pins 10 (LED_2) and 11 (LED_1) are shown, with LED_1 connected to BT_STATUS.

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Proteus-II BT Module

The diagram shows a BT module (NRF52832) with the following connections:

- Power:** +3V3 supply connected to VDD (pin 7) and GND (pin 2). A 10uF capacitor (C27) is connected between +3V3 and GND.
- Control:** BT_RFS (pin 5) is connected to +3V3. WAKE_UP (pin 16) is connected to +3V3. /RESET (pin 4) is connected to +3V3.
- Data:** URXD (pin 13) is connected to TXD (pin 12). RTSD (pin 14) is connected to RXD (pin 15).
- Status:** LED_1 (pin 10) and LED_2 (pin 11) are connected to a common ground. BT_STATUS (pin 1) is connected to a common ground.

Make WAKEUP and /RESET PIN HIGH

NRF52832

WIRL-BTLE_2608011024010

U1

BT_MODULE

BT_STATUS
HIGH = Connected

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BT Module

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