

Big Fat Warning: MISO/MOSI mixed up! To fix manually!

The image shows two pin headers, JP2 and JP3, with their respective pinout diagrams. JP2 has 6 pins: Pin 1 is MISO, Pin 2 is +3V3, Pin 3 is SCK, Pin 4 is MOSI, Pin 5 is RESET, and Pin 6 is GND. JP3 has 6 pins: Pin 1 is DTR, Pin 2 is TX, Pin 3 is RX, Pin 4 is +3V3, Pin 5 is CTS, and Pin 6 is GND. Both headers are shown with a red box highlighting the pins and a green arrow pointing to the +3V3 pin.

The schematic diagram illustrates the LPR5XXX Pitch/Roll Gyrometer circuit. The central component is the LPR5XXX chip, which is connected to a U55 microcontroller. The chip has pins for VDD, RES, RES2, UREF, ST, PD, HP, GND, UCONT, FILT UDD, OUTX, 4XINX, 4XOUTX, PD, 4XINY, 4XOUTY, and GND. The circuit includes several resistors (R13, R14, R15, R16, R17, R18, R20) and capacitors (C11, C12, C13, C14, C17, C18, C19, C20). The output signals are XOUT-1X, YOUT-1X, XOUT-4X, and YOUT-4X. The circuit is powered by a +3V3 supply and a U55 microcontroller.

[illegible]

LPY5XXX Pitch/Yaw Gyrometer

The diagram illustrates the internal circuitry of the LPY5XXX Pitch/Yaw Gyrometer. The central component is the U56 chip, which is connected to a +3V3 supply and ground. The chip's pins are labeled as follows:

- Pin 1:** GND
- Pin 2:** VDD
- Pin 3:** UCONT
- Pin 4:** RES
- Pin 5:** FILT UDD
- Pin 6:** OUTX
- Pin 7:** UREF
- Pin 8:** 4XINX
- Pin 9:** 4XOUTX
- Pin 10:** OUTZ
- Pin 11:** ST
- Pin 12:** PD
- Pin 13:** HP
- Pin 14:** 4XINZ
- Pin 15:** 4XOUTZ
- Pin 16:** GND

The circuit includes several resistors and capacitors for signal conditioning and power management:

- Resistors:** R21 (10K), R22 (10K), R23 (10K), R24 (10K), R25 (33K), R26 (1M), R27 (33K), R28 (1M).
- Capacitors:** C15 (0.1uF), C16 (0.1uF), C21 (470nF), C22 (10nF), C23 (4.7uF), C24 (0.1uF), C25 (4.7uF), C26 (0.1uF).

The output signals are labeled as follows:

- XOUT-4X-2:** Output signal for 4X acceleration along the X-axis.
- XOUT-1X-2:** Output signal for 1X acceleration along the X-axis.
- ZOUT-4X:** Output signal for 4X acceleration along the Z-axis.
- ZOUT-1X:** Output signal for 1X acceleration along the Z-axis.

The diagram also shows the connections for the +3V3 supply, GND, and various pins (ST, PD1, HP, UREF, XOUT-4X-2, XOUT-1X-2, ZOUT-4X, ZOUT-1X).

The diagram shows the RN 41 Bluetooth module with the following components and connections:

- Power and Reset:** A 3.3V regulator (R3) is connected to the +3V3 pin. The BT_RESET pin is connected to the RESET pin of the module.
- Communication:** The TX pin is connected to the TX pin of the module. The RX pin is connected to the RX pin of the module.
- LEDs:** The LED_STAT pin is connected to the LED_STAT pin of the module. The LED_STAT pin is connected to the LED_STAT pin of the module.
- Resistors:** A 330R resistor (R10) is connected to the LED_STAT pin. A 330R resistor (R11) is connected to the LED_STAT pin. A 10K resistor (R4) is connected to the LED_STAT pin. A 10K resistor (R6) is connected to the LED_STAT pin. A 10K resistor (R7) is connected to the LED_STAT pin. A 10K resistor (R9) is connected to the LED_STAT pin.
- Capacitor:** A 0.1uF capacitor (C2) is connected to the +3V3 pin.
- USB:** The USB0- and USB0+ pins are connected to the USB port.

v0.1

30 Jan 2010 14:22:46

8