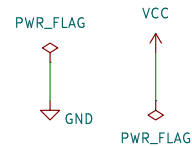


The diagram shows the PMW3360 module (U1) with the following connections:

- Power:**
  - +3V3 is connected to pin 8 (GND) through resistor R1 (10K).
  - +1V8 is connected to pins 3 (VDDPIX), 4 (VDD), 5 (VDDIO), and 6 (NC).
  - +1V8 is connected to pin 15 (LED\_P) through resistor R3 (39 ohms).
  - +3V3 is connected to pin 8 (GND) through resistor R2 (10K).
- Signal:**
  - MOSI is connected to pin 11.
  - MISO is connected to pin 12.
  - SCLK is connected to pin 10.
  - CS is connected to pin 14.



Pinout diagram for J1 connector, Conn\_01x08\_Female:

Signal	Pin Number
GND	1
VCC	2
MOTION	3
SCLK	4
MOSI	5
MISO	6
CS	7
(Unlabeled)	8

The top diagram shows the connection for U1, an LDO Voltage Regulator. The input (IN) is connected to VCC through capacitor C4 (100n). The output (OUT) is connected to +1V8 through capacitor C10 (10u). The feedback (FB) pin is connected to the output through resistor R4 (37.4k). The ground (GND) pin is connected to GND through resistor R5 (63.4k). The enable (EN) pin is connected to GND through resistor R6 (52.3k). The output voltage is +1V8.

The bottom diagram shows the connection for U2, an LDO Voltage Regulator. The input (IN) is connected to VCC through capacitor C6 (100n). The output (OUT) is connected to +3V3 through capacitor C11 (10u). The feedback (FB) pin is connected to the output through resistor R6 (52.3k). The ground (GND) pin is connected to GND through resistor R7 (30.1k). The enable (EN) pin is connected to GND through resistor R8 (52.3k). The output voltage is +3V3.

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