

The diagram shows the pinout of the NODE MCU module. The pins are arranged in two columns. The left column contains pins A0, RSV, RSV, SD3, SD2, SD1, CMD, SD0, CLK, GND, 3V, EN, RST, GND, and VIN. The right column contains pins D0, D1, D2, D3, D4, 3V, GND, D5, D6, D7, D8, Rx, Tx, GND, and 3V. Connections are shown for J8 (pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12), J11 (pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12), J3 (pins 1, 2, 3, 4, 5), J4 (pins 1, 2, 3, 4, 5), and J5 (pins 1, 2, 3, 4, 5). The connections are as follows: J8 pin 1 to A0, J8 pin 2 to RSV, J8 pin 3 to RSV, J8 pin 4 to SD3, J8 pin 5 to SD2, J8 pin 6 to SD1, J8 pin 7 to CMD, J8 pin 8 to SD0, J8 pin 9 to CLK, J8 pin 10 to GND, J8 pin 11 to 3V, J8 pin 12 to EN, J11 pin 1 to D0, J11 pin 2 to D1, J11 pin 3 to D2, J11 pin 4 to D3, J11 pin 5 to D4, J11 pin 6 to 3V, J11 pin 7 to GND, J11 pin 8 to D5, J11 pin 9 to D6, J11 pin 10 to D7, J11 pin 11 to D8, J11 pin 12 to Rx, J3 pin 1 to D5, J3 pin 2 to D6, J3 pin 3 to D7, J3 pin 4 to D8, J3 pin 5 to Rx, J4 pin 1 to D5, J4 pin 2 to D6, J4 pin 3 to D7, J4 pin 4 to D8, J4 pin 5 to Rx, J5 pin 1 to D5, J5 pin 2 to D6, J5 pin 3 to D7, J5 pin 4 to D8, J5 pin 5 to Rx.

The diagram shows an Arduino Uno board with the following connections:

- J9:** A 6-pin connector connected to PD0, PD1, PD2, PD3, and PD4.
- J10:** A 10-pin connector connected to PD0, PD1, PD2, PD3, PD4, PD5, PD6, PD7, and PB0.
- J6:** A 6-pin connector connected to PC5, PC4, PC3, PC2, PC1, and PC0.
- J7:** A 2-pin connector connected to PB5 and PB4.
- Power:** The 5V and GND pins are connected to a 5V, 1A power source.

MQ-05

VCC 1 1 5V,1A

GND 1 1

Digital out 1

Analog out 1 1

J8

TO NODEMCU