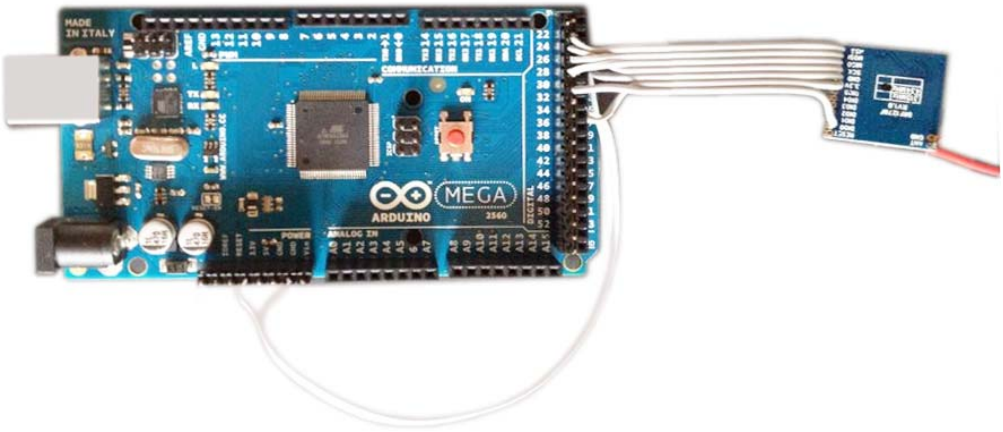
# Test DRF1278F Module On Arduino Platform V1.00

This document gives the basic information about the testing of DRF1278F on Arduino Board Mega2560.




1. DRF1278F: 433MHz band, SPI interface, +3.3 working voltage.
2. I/O Port definition of Mega2560

```
int led  = 13;
int nsel = 22;
int sck  = 24;
int mosi = 26;
int miso = 28;
int dio0 = 30;
int reset = 32;
```

   a. Maser LED: Sending data indication; Slave LED: Receiving data indication
   b. NSEL: DRF1278F SPI chip select input
   c. SCK: DRF1278F SPI clock input
   d. MOSI: DRF1278F SPI data input
   e. MISO: DRF1278F SPI data onput
   f. DIO0: Special application port which can be used as the indication for the success of sending or receiving a full data package
   g. RESET: DRF1278Freset pin. It can be controlled by an I/O port or floated. In the sample codes this pin is not used.

3. In Master side, the module sends one data package. After 2s delay, it will send the next data package. In the sending process, the LED will be lighted. After finishing transmission, the LED will be turned off. In Slave side, the LED will blink when it receives a full package of data.

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