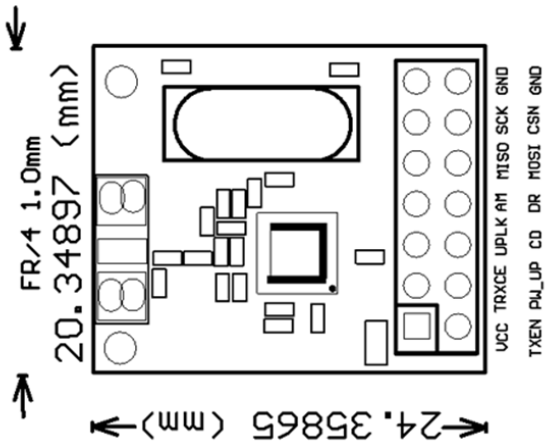
NRF905

Pin Definition and Size

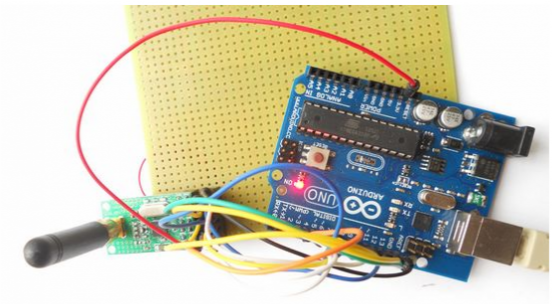
- VCC ---- Power supply.
- TXE ---- RF module mode selecting.
- CE ---- Enable RF module for transmit and receive.
- PWR ---- Power up chip.
- CLK ---- Output clock, divided crystal oscillator full swing clock.
- CD ---- Carrier detect.
- AM ---- Address matched.
- DR ---- Receive and transmit ready.
- MISO ---- SPI master input slave output.
- MOSI ---- SPI mater output slave input.
- SCK ---- SPI clock.
- CSN ---- SPI enable.
- GND ---- Ground
- GND ---- Ground

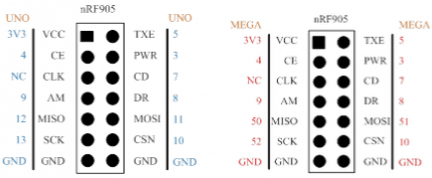


Usage

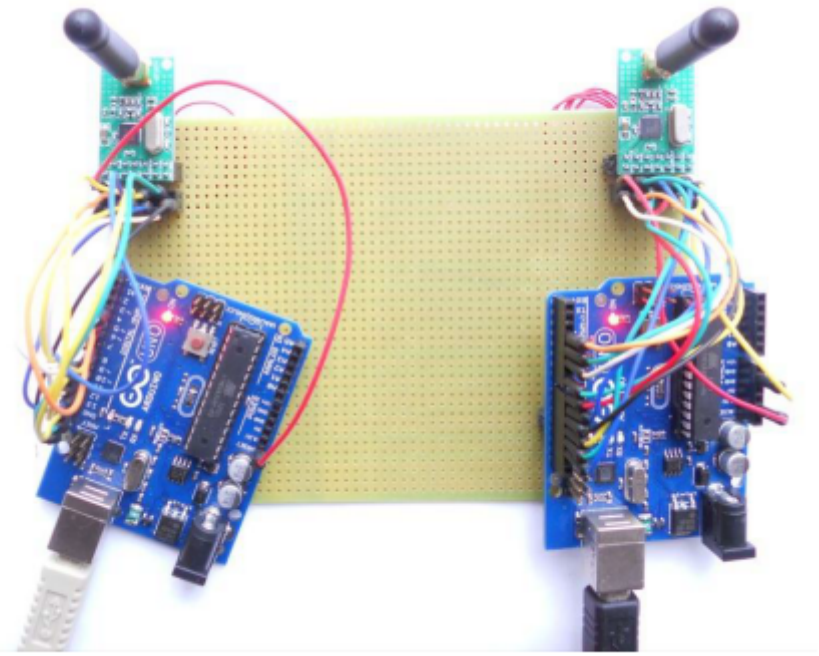
There are two examples in this code, one is sending data and another is receiving data. File:Get the code here (http://www.electrodragon.com/wp-content/uploads/2011/11/NRF905-for-arduino.zip). Set different bands for different countries, here is very easy to change: nrf905.write_config(US); Just enter your country or area as a parameter in this function. In fact, you have choices:

Country	Band
US	908.42Mhz
EU	868.42Mhz
Africa	868.42Mhz
China	868.42Mhz
HK	919.82Mhz
Japan	853.42Mhz
Australia	921.42Mhz
New_zealand	921.42Mhz
Brasil	921.42Mhz
Russia	896Mhz





upload the two examples into two arduino boards, one for sending and other one for receiving:



On the receiving end, you should be able to see:

Hi, Arduino 0,

Hi, Arduino 1,

Hi, Arduino 2,

Documentation

- Nrf905 datasheet - File:Product Specification nRF905 v1.5.pdf
- Schematic - File:XL905-51-schematic.pdf
- Demo Code with atmega 16 (http://www.electrodragon.com/wp-content/uploads/2011/11/ATmage16-codes-for-Nrf905.rar)
- Code for arduino (http://www.electrodragon.com/wp-content/uploads/2011/11/NRF905-for-arduino.zip)
