

## Arduino GIGA R1 WiFi + RC522 - Working Wiring Reference

| RC522 Pin  | Connects To     | Details                            |
|------------|-----------------|------------------------------------|
| SDA (SS)   | D10             | Digital pin on GIGA side header    |
| RST        | D9              | Digital pin on GIGA side header    |
| 3.3V (VCC) | 3.3V            | 3.3V pin on GIGA power rail        |
| GND        | GND             | Any GND pin on GIGA or SPI header  |
| SCK        | SPI Header SCK  | Middle LEFT pin on 2x3 SPI header  |
| MOSI       | SPI Header MOSI | Middle RIGHT pin on 2x3 SPI header |
| MISO       | SPI Header MISO | Top LEFT pin on 2x3 SPI header     |

SPI Header Orientation (USB to RIGHT):

[MISO] [5V]

[SCK ] [MOSI]

[RESET] [GND]

Do not use the SPI header 5V pin. Always use the 3.3V rail.

SDA (SS) and RST are normal GPIO pins.

SPI.begin() uses these pins automatically.

This is your proven working reference.