Laboratoria nr 2

Temat: Moduł czytnika magnetycznego i sensor pomiaru tempery Dostarczyciel materiałów Karolewski Dariusz

1. Biblioteka pod MFR.

Zarządca biblioteki

Wpisz Wszystko V Temat Wszystko V mfr

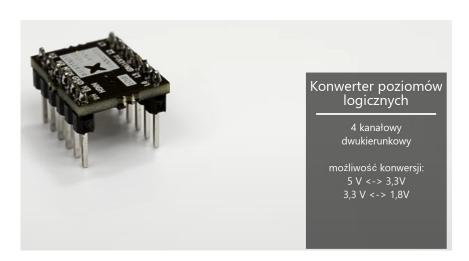
MFRC522 by GithubCommunity
Arduino RFID Library for MFRC522 (SPI) Read/Write a RFID Card or Tag using the ISO/IEC 14443A/MIFARE interface.

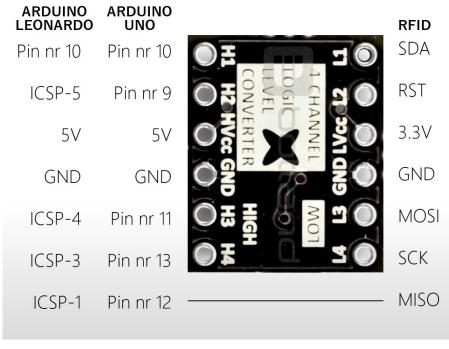
More info

Wersja 1.1.8 V Instaluj

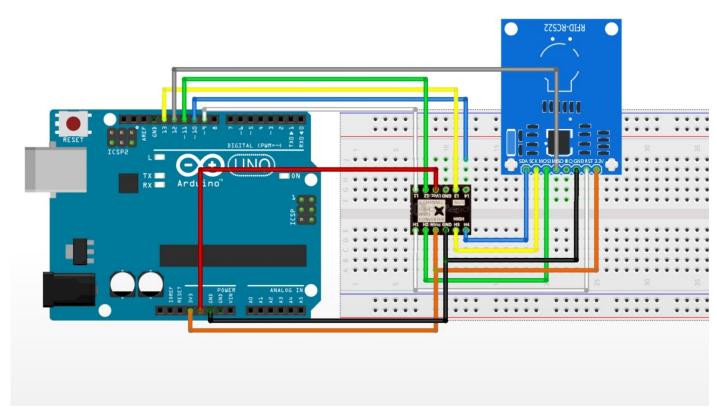
Data: 19.10.2021r.

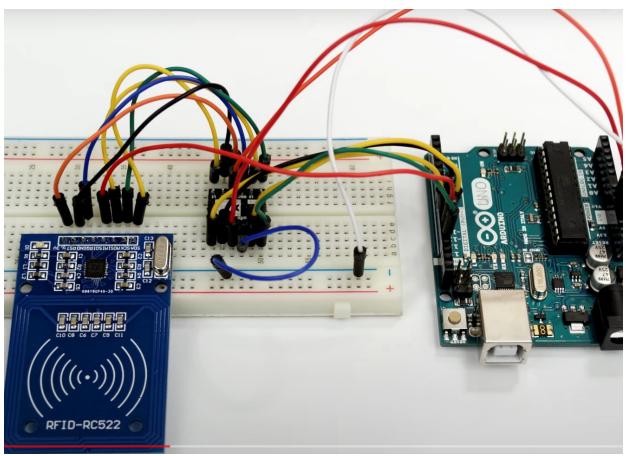
2. Konwerter poziomów logicznych





3. Schemat połączeń:





4. Programy:

```
#include <SPI.h>
#include <MFRC522.h> 7
#define SS PIN 10
#define RST PIN 9
MFRC522 rfid(SS_PIN, RST_PIN);
MFRC522::MIFARE Key key;
void setup() {
  Serial.begin(9600);
  SPI.begin();
  rfid.PCD Init();
}
void loop() {
  if (rfid.PICC_IsNewCardPresent() && rfid.PICC_ReadCardSerial())
    Serial.print("UID: {");
    Serial.print(rfid.uid.uidByte[0] < 0x10 ? "0x0" : "0x");</pre>
    Serial.print(rfid.uid.uidByte[0], HEX);
    Serial.print(rfid.uid.uidByte[1] < 0x10 ? ", 0x0" : ", 0x");</pre>
    Serial.print(rfid.uid.uidByte[1], HEX);
    Serial.print(rfid.uid.uidByte[2] < 0x10 ? ", 0x0" : ", 0x");</pre>
    Serial.print(rfid.uid.uidByte[2], HEX);
    Serial.print(rfid.uid.uidByte[3] < 0x10 ? ", 0x0" : ", 0x");</pre>
    Serial.print(rfid.uid.uidByte[3], HEX);
    Serial.println("}");
    rfid.PICC HaltA();
    rfid. PCD_StopCrypto1();
```

http://playground.arduino.cc/Learning/MFRC522

https://www.electroschematics.com/arduino-rfid-reader-rc522-access-control-system/

http://www.instructables.com/id/Arduino-RC522-RFID-Door-Unlock/?ALLSTEPS