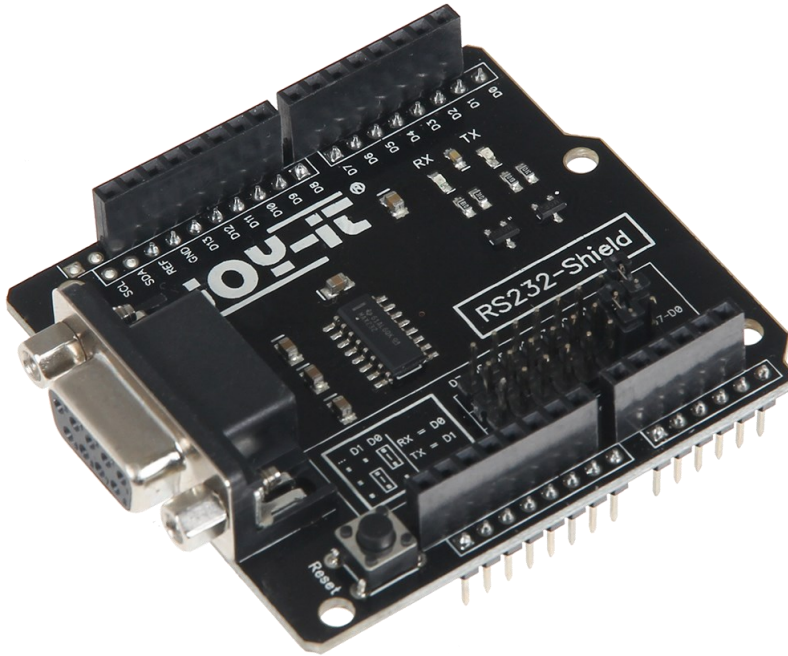


RS232-SHIELD

ARD-RS232

RS232-SHIELD

ARD-RS232



1. GENERAL INFORMATION

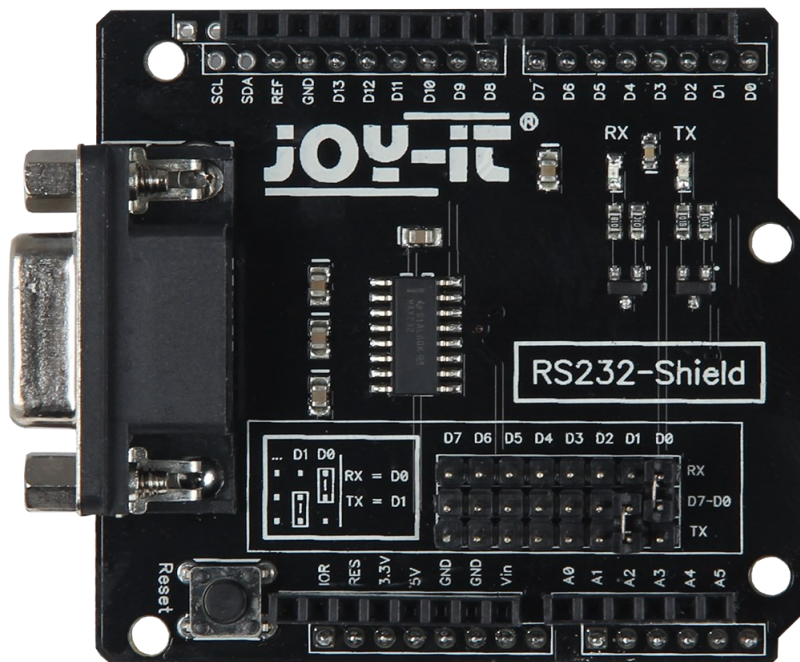
Dear customer,
thank you very much for choosing our product.
In the following, we will introduce you to what to observe while starting up and using this product.

Should you encounter any unexpected problems during use, please do not hesitate to contact us.

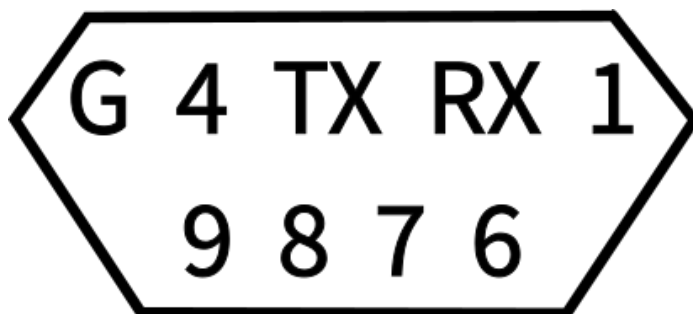
2. PINOUT

The jumpers on the board can be used to set the pins with which the board is used. By default these are set to RX -> D0 and TX -> D1.

All other pins can be used normally via the pin headers.



The pin assignment of the D-Sub connector can be seen in the diagram below. The TX, RX and G pins must always be connected for use.



TX: transmit line; RX: receive line; G: reference potential

3. USE WITH THE ARDUINO

To use the module, simply plug the RS232 shield onto your Arduino UNO, or Arduino UNO compatible microcontroller and connect the module to your RS232 port.

Since communication with the module works via the Arduino's serial port, data can be easily sent via the `Serial.print()` function and read via `Serial.readString()`.

Here is a simple example code:

The module should be plugged onto your Arduino only after the sketch is uploaded.

Make sure that the correct board and port are selected when uploading the sketch. Also, the baud rate must be set correctly in the serial monitor (115200).

```
String testString; //Declare a String variable to hold your name

void setup() {
  Serial.begin(115200); // turn on Serial Port
}

void loop() {
  Serial.println("Serial-Transfer-Test");
  Serial.println("-----");
  for(int i=0; i<10;i++)
  {
    Serial.print("Test: ");
    Serial.println(i);
    delay(200);
  }
  Serial.println("-----");
  Serial.println("Echo-Test");
  Serial.println("-----");
  Serial.println("Please enter Test-String: "); //Prompt User for input
  while (Serial.available()==0) { //Wait for user input
  }
  testString=Serial.readString(); //Read user input into myName
  Serial.println("-----");
  Serial.print("The Test-String received is: ");
  Serial.println(testString); //Prompt User for input
  Serial.println("-----");
  Serial.println("-----");
  Serial.println("-----");
  delay(2000);
}
```

4. ADDITIONAL INFORMATION

Our information and take-back obligations according to the Electrical and Electronic Equipment Act (ElektroG)

Symbol on electrical and electronic equipment:



This crossed-out dustbin means that electrical and electronic appliances do not belong in the household waste. You must return the old appliances to a collection point.

Before handing over waste batteries and accumulators that are not enclosed by waste equipment must be separated from it.

Return options:

As an end user, you can return your old device (which essentially fulfills the same function as the new device purchased from us) free of charge for disposal when you purchase a new device.

Small appliances with no external dimensions greater than 25 cm can be disposed of in normal household quantities independently of the purchase of a new appliance.

Possibility of return at our company location during opening hours:

SIMAC Electronics GmbH, Pascalstr. 8, D-47506 Neukirchen-Vluyn, Germany

Possibility of return in your area:

We will send you a parcel stamp with which you can return the device to us free of charge. Please contact us by email at Service@joy-it.net or by

5. SUPPORT

If there are still any issues pending or problems arising after your purchase, we will support you by e-mail, telephone and with our ticket support system.

Email: service@joy-it.net

Ticket system: <http://support.joy-it.net>

Telephone: +49 (0)2845 9360-50 (Mon - Thur: 10:00 - 17:00 o'clock,
Fri: 10:00 - 14:30 o'clock)

For further information please visit our website:

www.joy-it.net