Function description for RS485 communication Raspberry Pi 3 B to Teensy4.0, V1.00 2022-04-23, Armin Rehberger

Example programs for RS485 communication between Raspberry Pi 3 B and Teensy4.0

ASCII Example:

Communication is started by typing a character in the serial monitor of the Arduino software (Setting with no line end).

End character = LineFeed \n Raspberry: A_RS485.py Teensy: A_RS485_Teensy.ino

Decimal Example:

Communication is started by typing a character in the serial monitor of the Arduino software (Setting with no line end).

Communicates a fixed amount of Bytes.

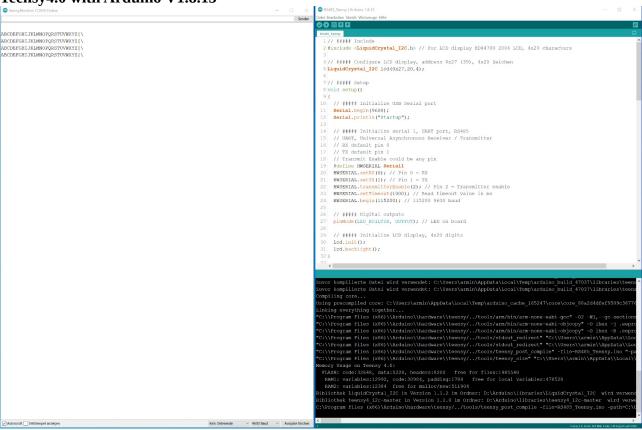
Last two Bytes are usede for CRC16 checksum.

Raspberry: B_RS485.py Teensy: B_RS485_Teensy.ino

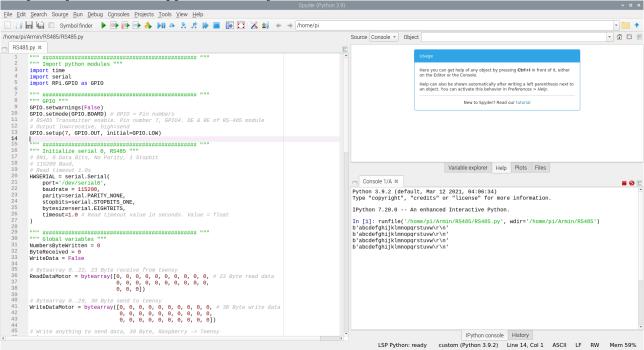
Decimal Example:

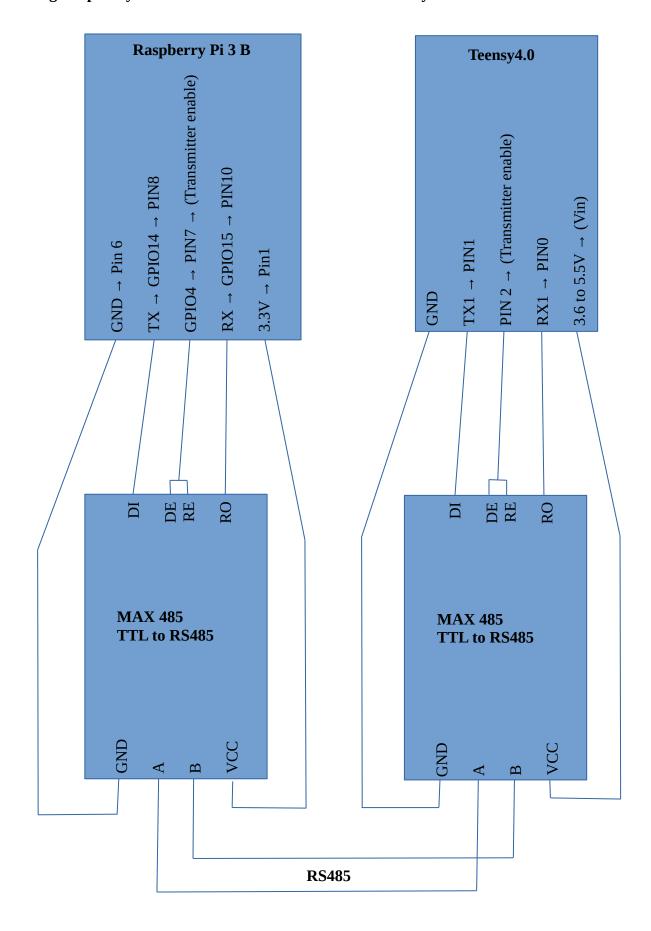
Communication is started automatically. Communicates a fixed amount of Bytes. Last two Bytes are usede for CRC16 checksum.

Raspberry: C_RS485.py Teensy: C_RS485_Teensy.ino Teensy4.0 with Arduino V1.8.15



Raspberry Pi 3 B with Spyder V4.2.1 Python 3.9.2





Settings serial port Raspberry Pi 3 B with Linux11 (bullseye)

Open a terminal and type sudo raspi-config

