GSM/GPRS/GPS-Shield for *Arduino*

Rework instructions for the Arduino Board Mega2560 (Atmega2560)

Rework Instructions

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General

All connectors of the **Arduino Mega2560,** besides the signals of the SPI interface, are pin compatible to the **Arduino Duemilanove** and **Arduino UNO**. For fitting of the SPI interface to the **GSM/GPRS/GPS-Shield** the following modifications to the connectors shall be made:

Material for the rework

- Short 4-wire cable (for example ribbon cable)
- long pin sockets (2 sockets with 6 pins each and 2 socket jacks with each 8 pins)
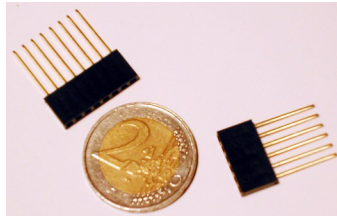
- a socket strip with 4 sockets in row [1]
- a pin header with 4 pins in square [2]

How to

The long pin connectors are plugged between the *Arduino* Board and the **GSM/GPRS/GPS-Shield**. Before doing so however, the 4 pins of the pin connector, that connect the digital pins 10-13, shall be turned by 90° outwards. Then solder the 4-wire ribbon cable to the 4-socket connector [1]. The other end of the cable is to be soldered to the header [2]. Please refer to the correct pin assignment. The single signals and wires must be connected as follows:

Pin at **GSM/GPRS/GPS-Shield**	Pin at *Arduino*-Board Mega2560
10 – SS	53 – SS
11 – MOSI	51 – MOSI
12 – MISO	50 – MISO
13 – SCK	52 – SCK

Schematic