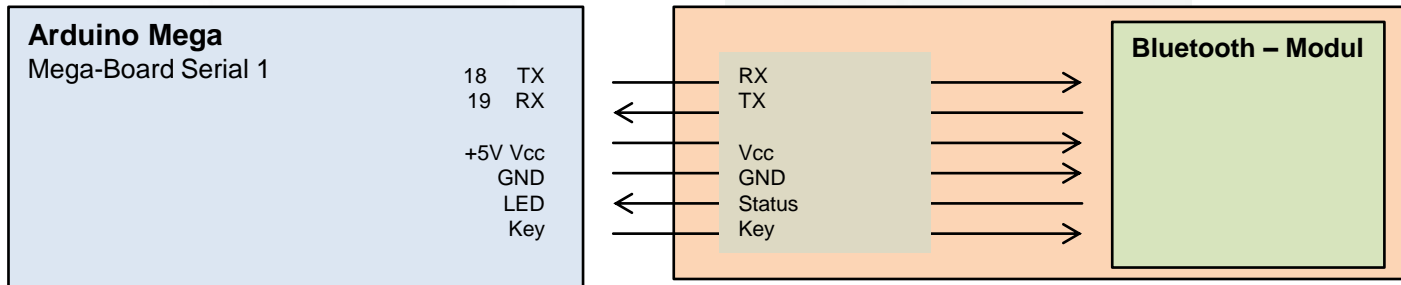
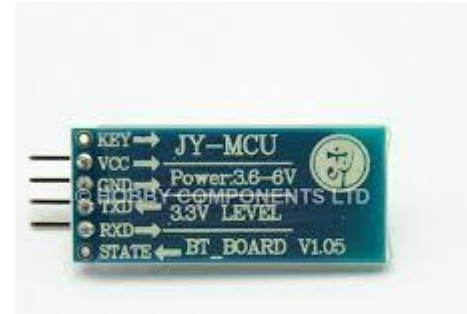


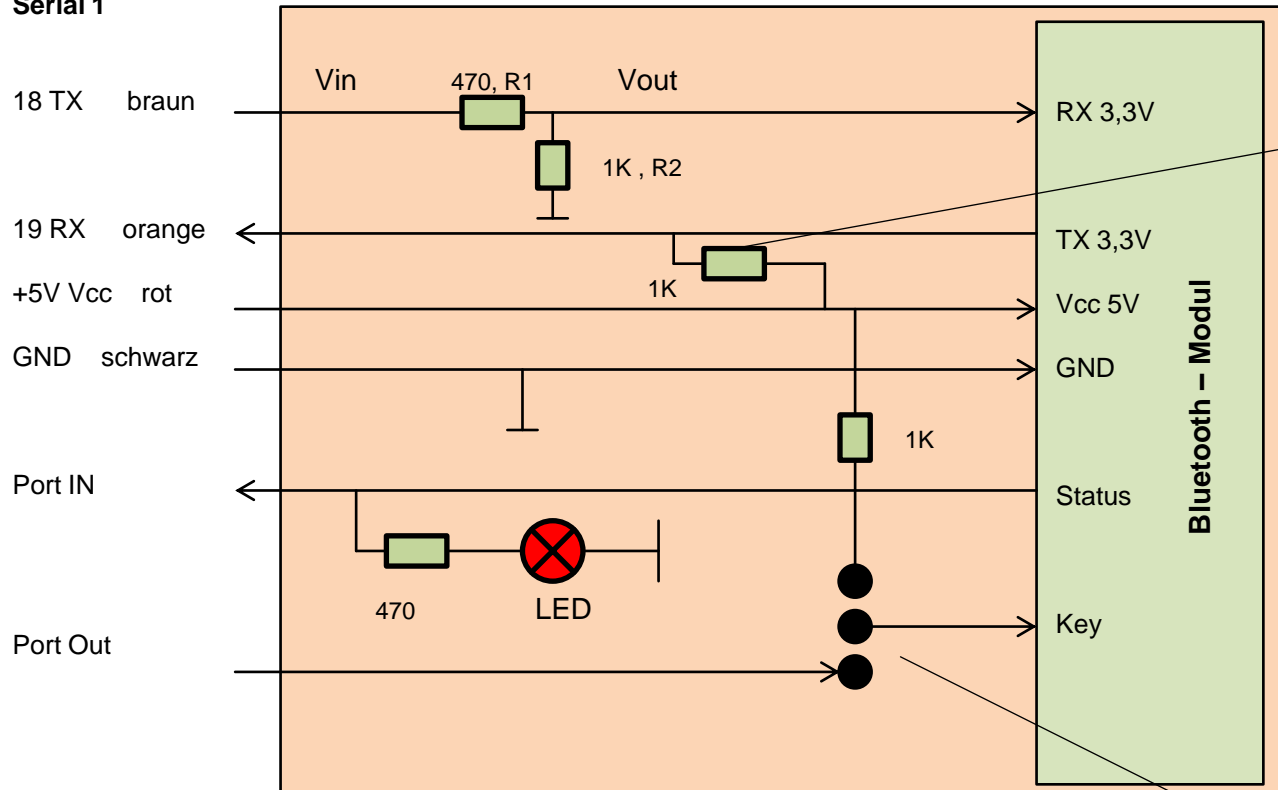
Bluetooth – Modul JY-MCU HC-05 / HC06



BT Modul	HC 05	HC06
Typ	Master / Slave	Slave
VCC	3,6 – 6V	3,6 – 6V
TX-RX	3,3V level	3,3V level
Anschluss-Stecker	6 Pin	4 Pin
Pins	Key, 5V, GND, TX, RX, Status	5V, GND, TX, RX, Status
BT Name :	HC-05	linvor
BT Pin:	1234	1234
Baudrate:	9600	9600
Baudrate Prog.	38400	NN
Key	+V für AT-Comands, zum Programmieren als Master	NN
Status	0V = not paired +V = paired - Verbindung besteht	NN

**Mega-Board
Serial 1**

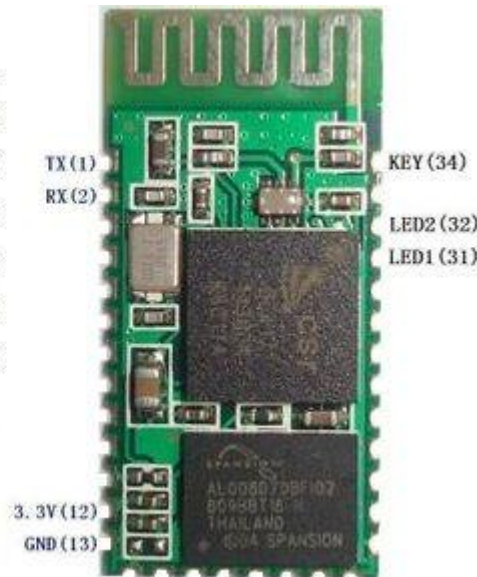
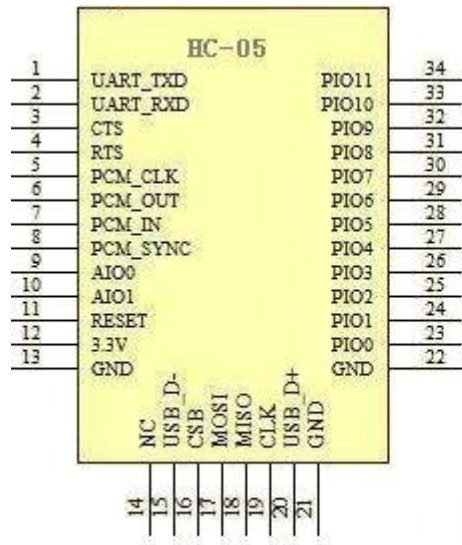
BT-Modul Board



Einige BT-Module benötigen diesen Pullup-Widerstand in der TX-Ltg.

Spannungsteiler: $V_{out} = (R2 / (R1 + R2)) * V_{in}$, $1000 / 1470 = 0,68 * 4,7V = 3,2 V$

Jumper zum Programmieren des HC-05
Evt. kann dies auch über einen Port-Ausgang erfolgen



BT HC-05

- Default COM setting: 9600, N, 8,1
- Default Password/pairing code: 1234.
- Supports the AT command to modify the baud rate, device name, passkey, master/slave, etc.
- Supports baud rates 2400 -1382400.
- Based on the CSR Bluetooth chip BC417143
- Bluetooth specification v2.0 + EDR
- Power supply: +3.3VDC 50mA
- Frequency: 2.4GHz ISM band
- Modulation: GFSK(Gaussian Frequency Shift Keying)
- Emission power: ≤4dBm, Class 2
- Sensitivity: ≤-84dBm at 0.1% BER
- Speed: Asynchronous: 2.1Mbps(Max) / 160 kbps, Synchronous: 1Mbps/1Mbps
- Security: Authentication and encryption
- Size: 26.9mm x 13mm x 2.2 mm.
- Working temperature: -20 ~ +75 Centigrade
- Dimension: 26.9mm x 13mm x 2.2 mm



mit RX-TX-Schnittstellen –Verstärker für längeres Kabel zum Arduino Mega

Mega-Board
Serial 1

BT-Modul Board

