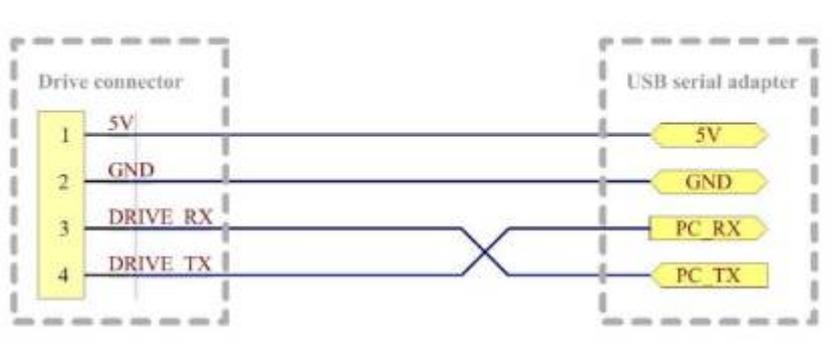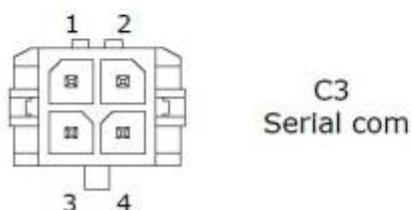# Serial communication

The communication connector consists in a 4 pin connector with a serial UART,
Note that you need a communication cable with USB to UART with 3.3V level.

this connector must be connected with a proprietary board that has the following functions:
• grant a communication with a PC by USB
• gateway from drive to Wi-Fi
• upgrade drive firmware by pen drive

## Serial communication connections

| SERIAL COM CONNECTOR | | |
|---|---|---|
| **PIN** | **PIN** | **DESCRIZIONE** |
| 1 | 5V | Otput supply 5V@200mA |
| 2 | GND | Ground |
| 3 | RX | Rx signal of communication |
| 4 | TX | Tx signal of communication (from MCU) |



C3
Serial com



| Port | Ordering Code | Brand | Description |
|---|---|---|---|
| C3 | 43025-0400 | Molex | 4 poles male, for serial communication (Receptacle Housing) |
| – | TTL-232R-3V3-WE | NiLAB | UART/TTL3V3 Converter. |

From:
https://www.nilab.at/dokuwiki/ - **NiLAB GmbH Knowledgebase**

Permanent link:
**https://www.nilab.at/dokuwiki/doku.php?id=epulse50_dc_servodrive:serial_com**

Last update: **2023/11/13 10:56**