

Engenharia Reversa, project #3

Annex 2

USB <->serial converter

Inside the large USB plug is a USB<->Serial conversion chip and, at the end of the cable, there are four wires:

Color	Function
red	Power (+5V) <i>(not to be used)</i>
black	Ground
white	RX (into the USB port)
green	TX (out of the USB port)

- The "power" pin provides the +5V @ 500mA direct from the USB port (it should not be used in this project).
- The RX/TX pins are 0-3.3V.

Before connecting this converter, make sure that you have identified, without any margin for error, the TX pin and the RX pin of the RS-232C port on the controller board. After this identification, connect the converter, so that the TX pin of the RS-232C port connects to the RX wire of the USB serial converter (and the RX pin to the TX wire of the converter). The ground wire of the converter connects to one of the two GND pins available on the controller board.