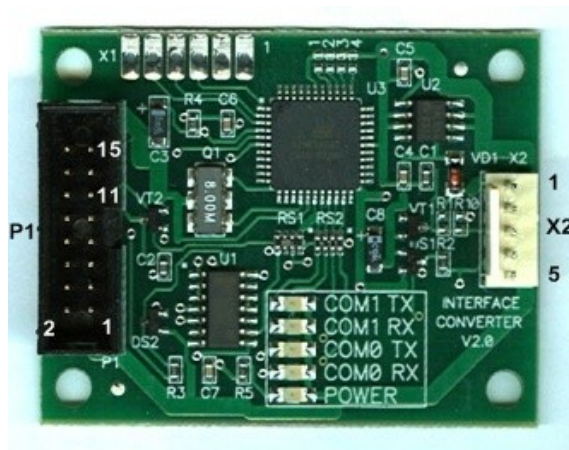


## Pulse to ID003 (BDP) Converter

This converter emulates ID003 compatible bill acceptor for a host. It translates received pulses into accepting/escrow/stacking sequences. Pulses can be sent with a button or using a bill validator with pulse output. Converter also provides one output inhibit signal. This signal is active when converter is not in the ID003 IDLING state.



Connector P1:

Signal:	Direction:	Pin:
+12V		1
GND		2
ID003 TX TTL	output	11
ID003 RX TTL	input	15

Connector X2:

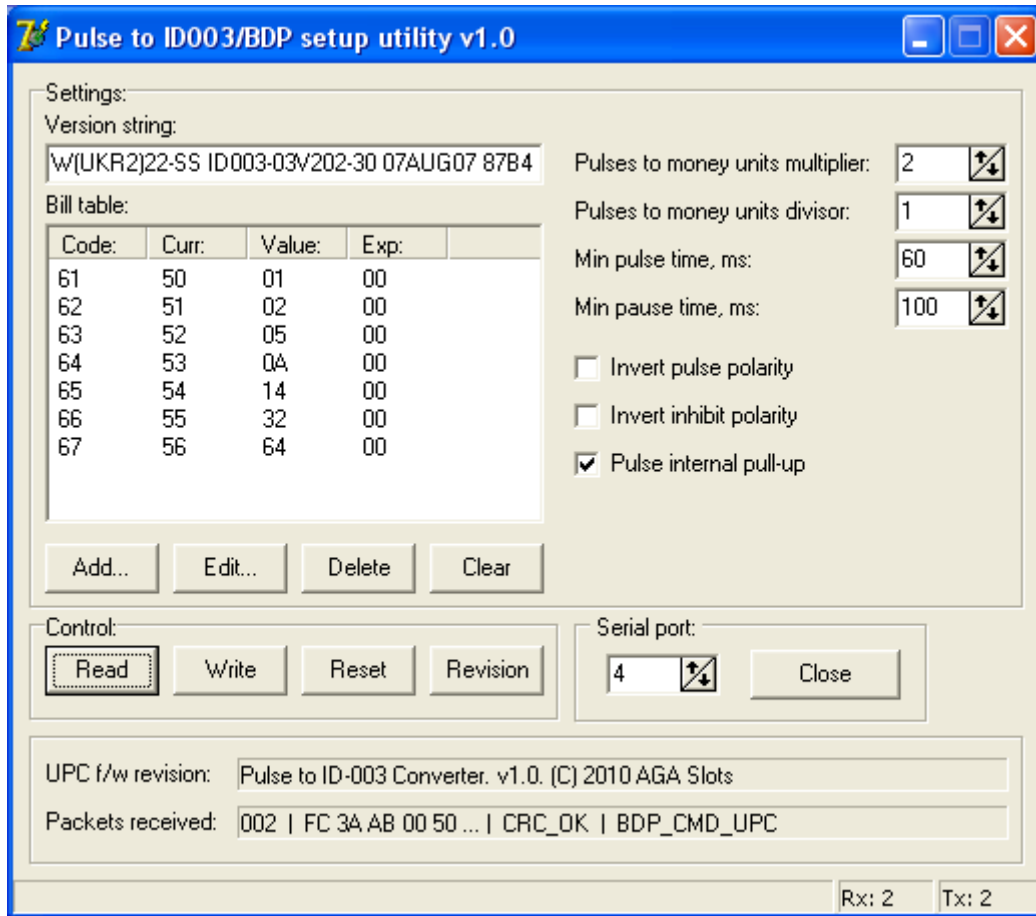
Signal:	Direction:	Pin:
+12V		1
GND		2
INHIBIT	output	3
PULSE	input	4
GND		5

In simplest form a button can be connected to PULSE and GND pins of X2. Pulse pull-up should be enabled in the configuration.

LEDs:

COM1TX	ID003 packet sent to host
COM1RX	normal - ID003 packet received from host, short – receive timeout
COM0TX	ID003 IDLING, ready to accept notes (opposite to INHIBIT)
COM0RX	PULSE is active
POWER	power OK

The converter provides various settings which are stored in the EEPROM. In order to use this configuration program converter board's P1 connector should be connected to the PC's serial port using RS232-TTL level converter (direct connection might damage the board!). Also board must be powered with +12V.



- Read** – read settings from the board
- Write** – store setting into the board
- Reset** – reset board's settings (perform a Read after this)
- Revision** – query board's firmware revision