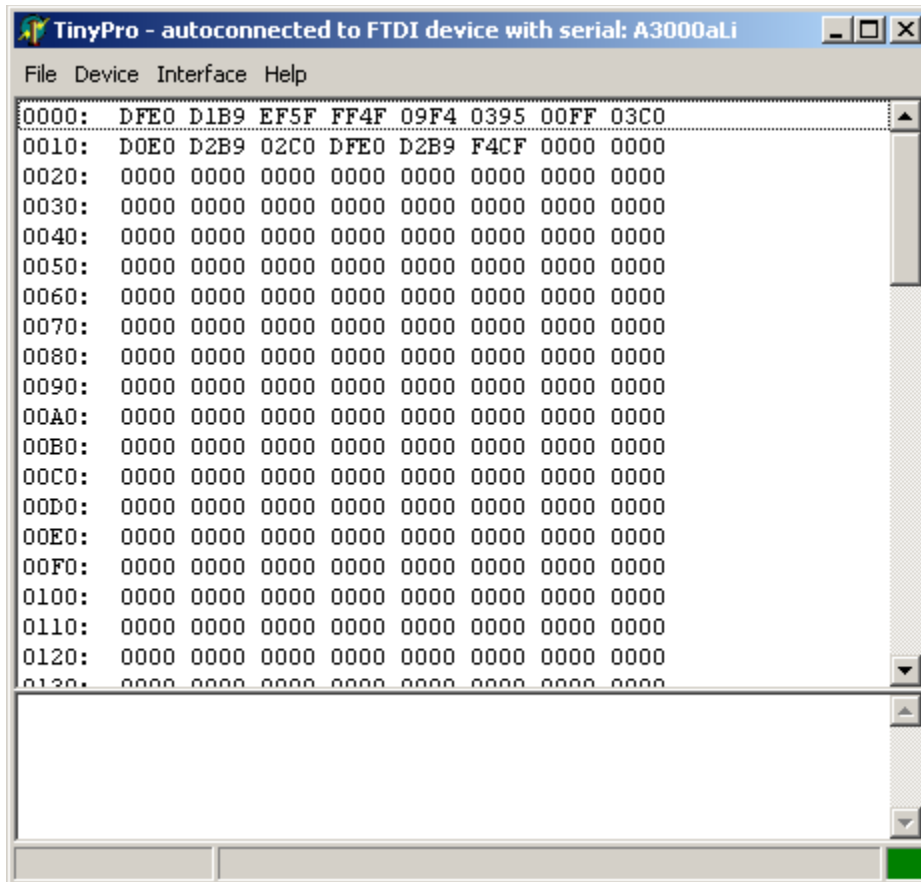


TinyPro Device Programmer

Software



Main screen

Requirements

FTDIChip drivers need to be installed together with D2XX DLL.

Hardware

Requirements

Almost any FTDI Chip can be used if there are enough pins accessible (3 or 4 are required). Initial testing was done with FT245RQ chip but FT232 could be used as well. There is no extra circuit needed except the FTDI chip itself.

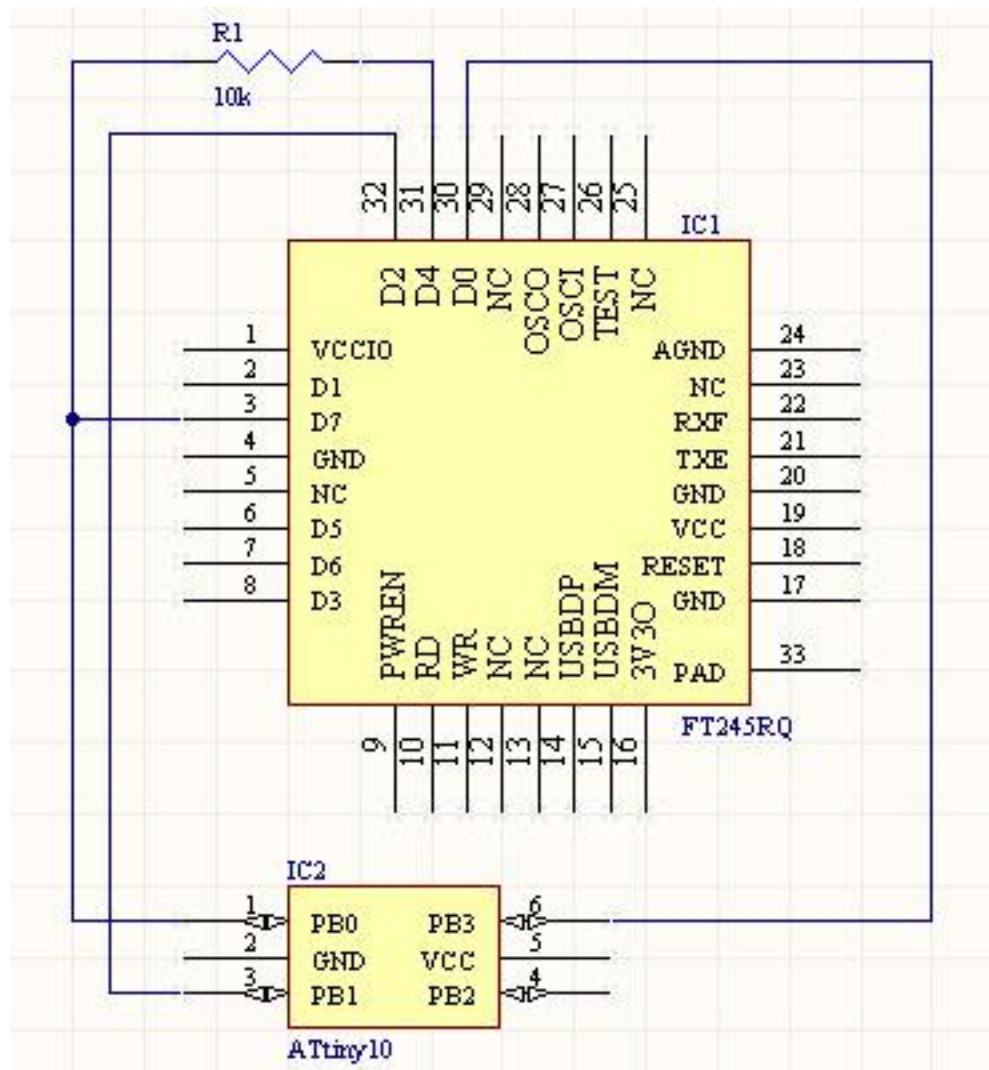
Connection Diagram

Simple wires only interface to the FT245/FT232 chip is needed (one extra resistor may also be needed).

Connection diagram for software version 0.1

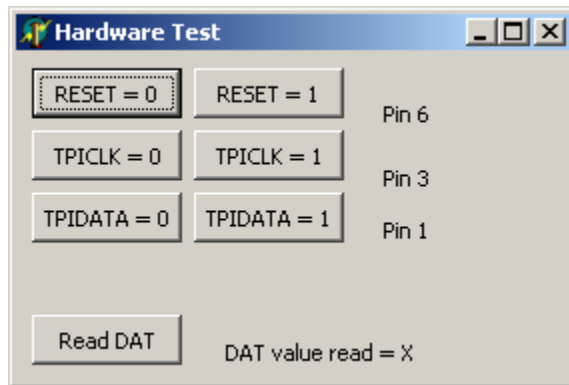
FTDI Pin					FTDI Pin
D7 + D4 with 4.7k Series	TPIDATA	1	6	RESET	D0
	GND	2	5	VCC	must be 5V
D2	TPICLK	3	4	-	

Actual pin number for the FTDI chip should be taken for FTDI datasheets, the numbers are different depending on the package being used.



New version of software will allow any pins to be mapped to the functions and also support connection to 3 I/O's without the series resistor being used. NOTE: only TPI interface connections displayed, all other connections as needed for the FT245 and ATtiny10.

Troubleshooting



Hardware test dialog, state of interface pins can be forced and the TPIDATA signal actual value displayed.

Known Problems

Version 0.1

This version has been only tested with ATtiny10; support for other is not included.

There is no way to select the programmer, software will auto-connect to first FTDI based USB device connected to the PC.

Run/Stop seems to work strange, need run/stop several times until the ATtiny actually starts executing normally.