AtTiny programming shield

Hardware

The base version of the TinyProgrammer shield allows to program the two families of AtTinys, in 8 and 14 pin DIL packages. One more socket is provided for an Atmega 168 or 328.

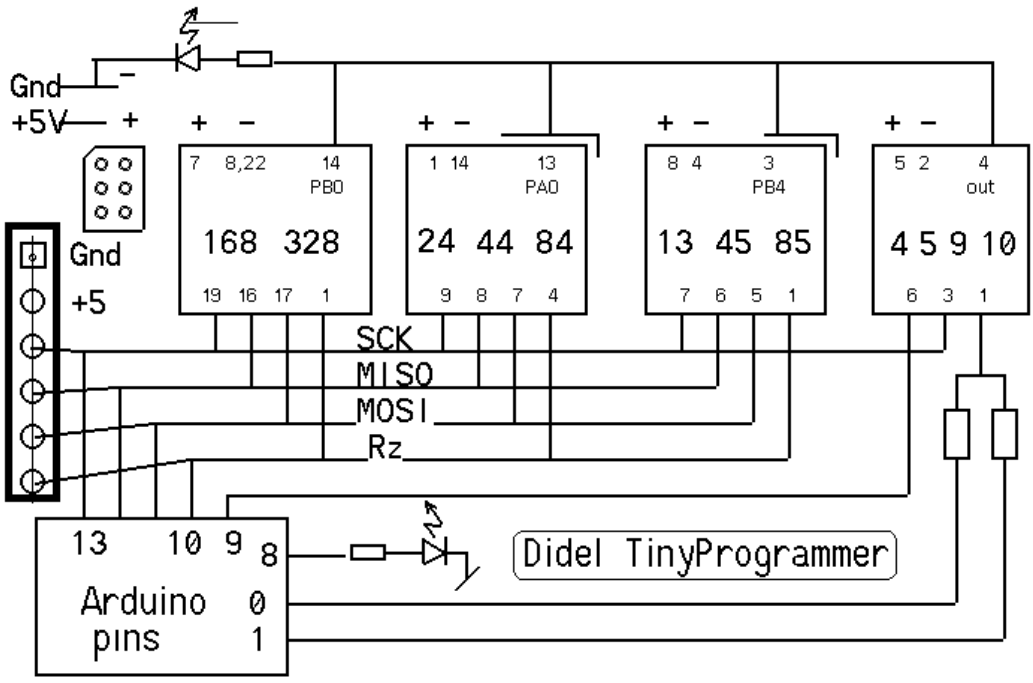
A standard AVR ISP 2x3 pin connector can be added. Its signals are duplicated on a more conveneint 6-pin in line connector, pitch 2.54. A copy with 1.27 mm pitch is convenient for minature circuits.

Programming SMD 6, 8,14 pins circuits is also possible. See http://www.didel.com/diduino/AtTinySMDProgrammer.pdf

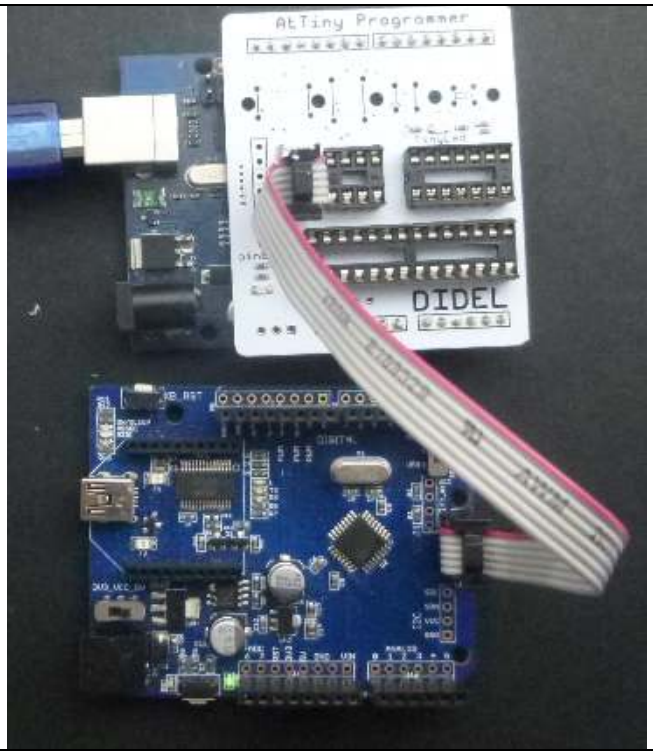
A led on top is connected to a free pin of the controller being programmed; it is a good pactice is to start any program with several blinks on that led, meaning "everything OK".

The ArduinoISP sketch supports 3 LEDs directly on pins 7-9. We have implemented a LED on pin 8 only: lights up if something goes wrong.

AtTinyProg schematic

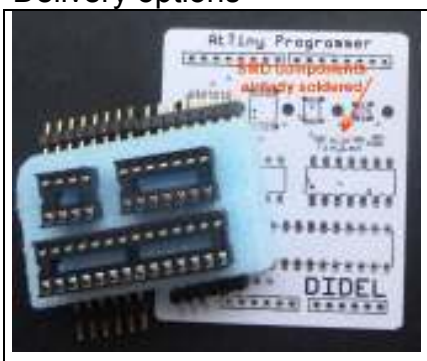


Arduino programming sequence: http://www.didel.com/diduino/AtTinyProgrammer.pdf
AtTiny efficient software: http://www.didel.com/diduino/AtTinyProgramming.pdf

Example of programming another board using an AVR-ISP cable	

Example of in sysem programming of a SMD microcontroller . There is always enough place for a 1.27mm pitch socket.	

Delivery options

		
TinyProg-Kit	TinyProg-RTG	TinyProg-SMD 45 CHF

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