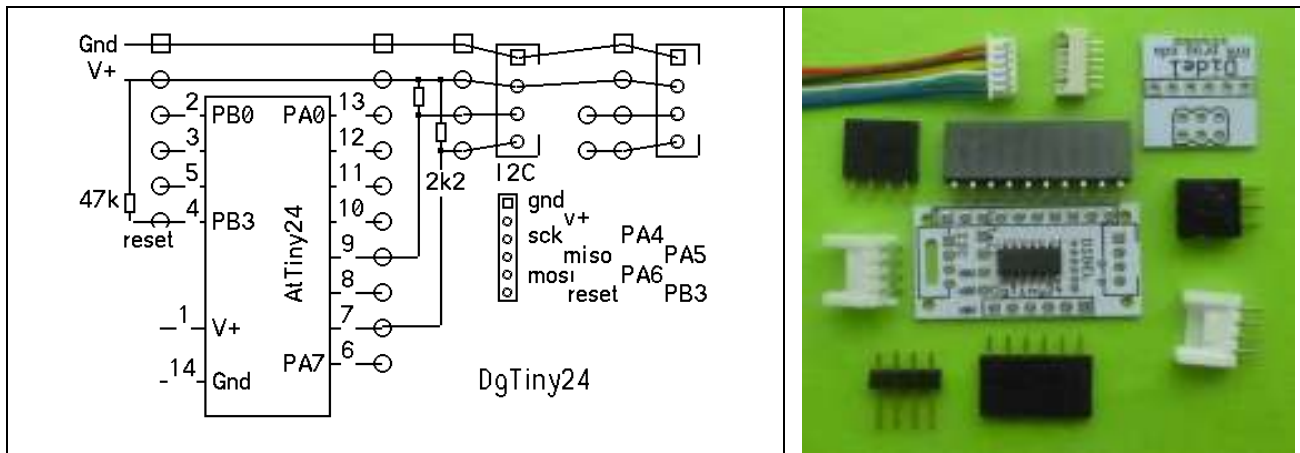


DgTiny24 #82



The DgTiny24 sports two Grove connectors, and is quite interesting when you need to develop a special device with an I2C and/or another functionality compatible with Grove cables.

AtTinys 24,44,84 have 12 I/O including the reset line with limited functionality.

The 2 I2C lines of the Grove I2C connector, compatible with USI library are already connected with 2 kOhm pull-ups.

The second Grove connector can be wired on any pin.

An AtTiny24 SO14 package is installed. It is programmed via a single in line 1.25mm pitch connector. The connector is supplied, but if you just need to update the software on the board, the 6 holes do not need a connector. The programming cable adaptor has a 6-pin male connector; insert partly, press on side and do not move for the few seconds of programming time. Hundreds of boards have been programmed this way. For the development prototype, it is of course convenient to solder the compatible Molex connector

An adapter and cable is provided with the kit to be compatible with the less convenient 2x3 pins AVR-ISP traditional connector.

This document shows how to program the ATtiny in an efficient way, avoiding the heavy Arduino "facilities": www.didel.com/diduo/AtTinyProgramming.pdf

<http://www.didel.com/diduo/AtTinyProg.pdf>

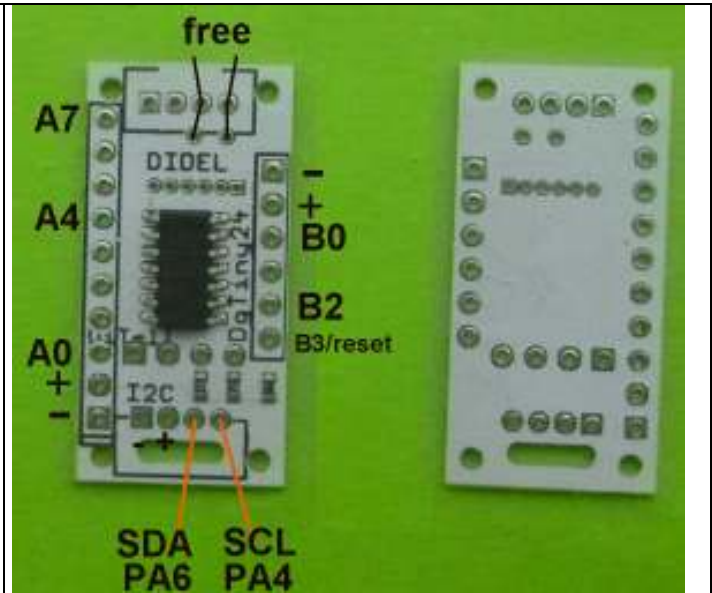


Connection to an Arduino compatible board



Connection to a Smart-USB light

Space for a picture of the DgTiny24 on a breadboard. It leaves 3 pins on both sides.
Coming soon.



Four pins, 2.54mm pitch are in parallel with the I2C grove connector. A 3-pin connector uses the power pins and A0 in order to control a DiTell and have a great debugging tool. DiTell will display one 16-bits variable or two 8-bits variables, sensor value, state, adding a 92 byte routine. See www.didel.com/didduino/DiTell.pdf

