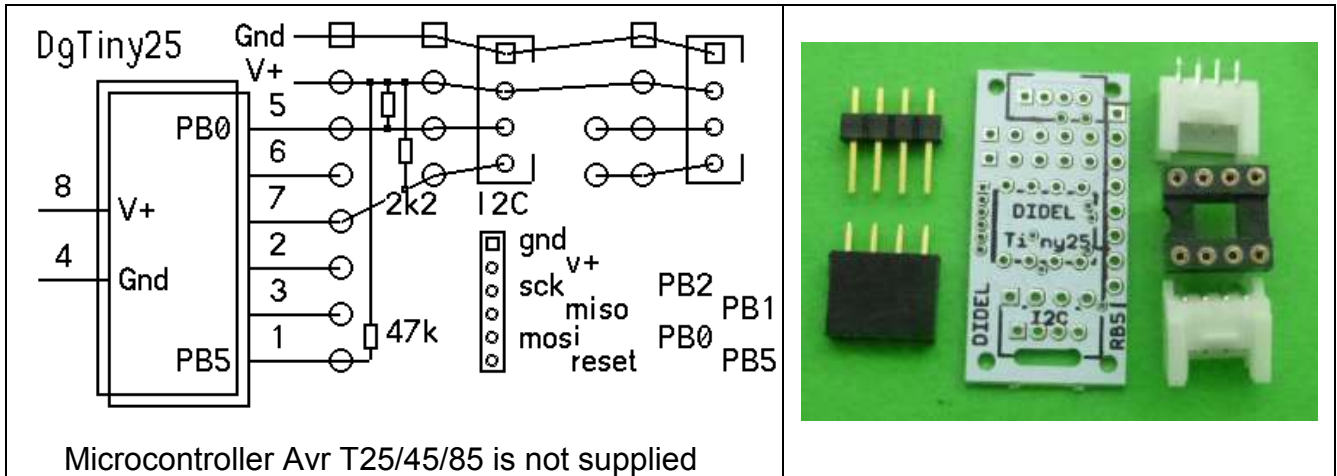


DgTiny25 - #83



The DgTiny25 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 25,45,85 have 6 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. As a master, a bit-banging program is simpler than using USI.

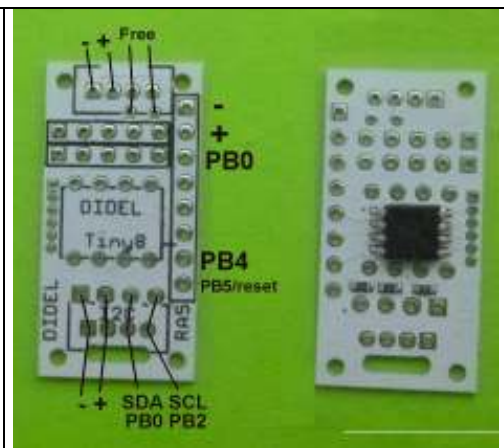
The second Grove connector can be wired on any pin.

The board accept on one side a SO8 and on the other side a DIP8, with the possibility to use a socket has take benefit of the AutoISP system from microtherion and have no limitation on the fonctionnalities of pins.

The SMD package is more compact and is programmed with a single in line 1.25mm pitch connector. Indeed, the 6 holes never get a connector: the programming cable has a 6-pin male connector; insert partly, press on side and do not move for the few seconds of programming. Hundreds of boards have been programmed this way. For the development prototype, it is of course convenient to solder the compatible Molex connector supplied with the DgTiny24.

Port B is available on a 2.54mm strip with power
The didel programming connector, pich 1.27mm is explained on www.didel.com/digrove/DgTiny24.pdf

The two 5-pins strips are not connected – a mini breadboard space!



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