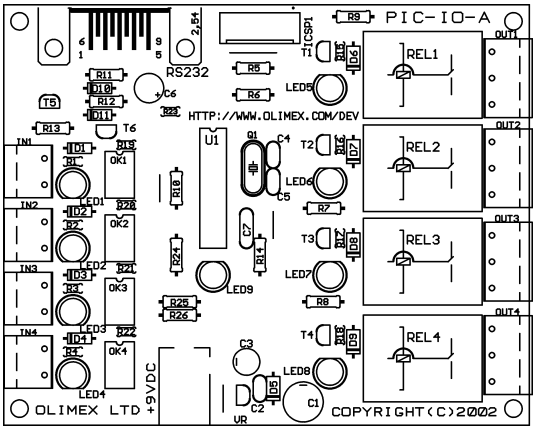
PIC-IO (Rev. A) DEVELOPMENT BOARD WITH 4 OPTOISOLATED INPUTS AND 4 RELAY OUTPUTS

Features:

PIC-IO-A is development board for 18 pin PIC microcontrollers with following features:

- 4 optocoupler isolated inputs
- 4 relay with 5A/240VAC contacts
- 20 MHz crystal resonator
- status LED
- RS232 Tx, Rx and connector
- ICD/ICSP 6 pin connector
- DIL18 microcontroller socket
- power supply plug in connector
- screw terminal blocks on all inputs and outputs
- +5V power supply voltage regulator
- dimensions: 100x80 mm
- four mounting holes



Programming:

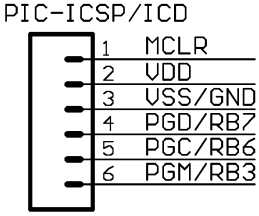
To program PIC-IO-A you need serial port or parallel port PIC programmers with ICSP connector (PIC-PG1, PIC-PG3B) or PIC-ICD1-B.

The serial port ICSP programmer (PIC-PG1) works with IC PROG ICPROG software, written by Bonny Gijzen. The latest release of ICPROG may be download for free from **http://www.icprog.com**

The parallel port ICSP programmer (PIC-PG3B) works with Bojan Dobaj's shareware software from **http://www.picallw.com** or Nigel Goodwin's free software from **www.lpilsley.uklinux.net**

ICD/ICSP connector layout:

The ICD/ICSP connector is 6 pin with 0,1" step. The PIN.1 is marked with square pad on bottom and arrow on top. ICSP signals are: 1- MCLR, 2- VDD, 3- VSS/GND, 4- PGD/RB7, 5- PGC/RB6, 6- PGM/RB3.



RS232 interface connection:

Rx – RB1, Tx – RB2

Optoisolated inputs:

IN1 to RA4/T0CKI, IN2 to RB0/INT, IN3 to RB3/CCP1, IN4 to RB4. All inputs have LED to visualize input state.

Relay outputs:

OUT1 to RA3, OUT2 to RA2, OUT3 to RA1 and OUT4 to RA0. All outputs have LED to visualize relay state

Status LED:

Connected to RB4

Supported devices:

All 18 pin PIC microcontrollers.

Power supply:

The power supply should be in range +10 +14VDC.

Ordering codes:

PIC-IO-A - assembled and tested