

## PIC-PG1A SERIAL PORT ICSP PIC MICROCONTROLLER PROGRAMMER

### Features:

PIC-PG1 is low cost serial port ICSP programmer for PIC microcontrollers. The programmer doesn't need external power supply and takes all necessary signals and power from RS232 port.

### Programming:

PIC-PG1 works with ICPROG software, written by Bonny Gijzen. The latest release of ICPROG may be download for free from

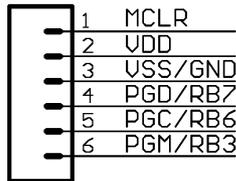
<http://www.icprog.com>

To program PIC16F628 RB4 pin must be connected to GND.

### 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.

PIC-ICSP/ICD



### ICSP programming:

Please note that in your target circuit MCLR should be not directly connected to VCC, as programmer try to rise MCLR to 13VDC to enter in programming mode. If MCRL on target board is connected to VCC and you attempt to do ICSP

programming you may destroy PIC-PG1 programmer

### ICPROG installation:

Setup the Hardware settings as "JDM programmer" with direct IO access if you are using Windows 95/98 and Windows API if you are working with Windows NT.

**Please note that the programmer is powered from the RS232 port, so before you put or take off your device disconnect the programmer from the RS232 port!**

### RS232 interface:

Your RS232 cable must provide the following signals for properly operation of PIC-PG2: Tx, Rx, CTS, DTR, RTS and GND.

### Supported devices:

Current supported devices by ICPROG are:

12C508, 12C508A, 12C509, 12C509A, 12CE518, 12CE519, 12C671, 12C672, 12CE673, 12CE674, 16C61, 16C62A, 16C62B, 16C63, 16C63A, 16C64A, 16C65A, 16C65B, 16C66, 16C67, 16C71, 16C72, 16C72A, 16C73A, 16C73B, 16C74A, 16C76, 16C77, 16C84, 16F83, 16F84, 16F84A, 16C505, 16C620, 16C621, 16C622, 16C622A, 16F627\*, 16F628\*, 16C715, 16F870\*, 16F871\*, 16F872\*, 16F873\*, 16F874\*, 16F876\*, 16F877\*, 16C923, 16C924

\*PGM pin should be pull to GND

### Ordering codes:

PIC-PG1 - assembled and tested

