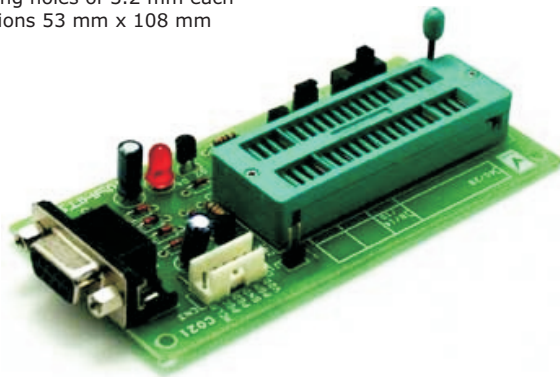


## SERIAL PIC PROGRAMMER

Serial PIC Programmer kit is a must have for all those who develop, experiment, program and play with Microchip based PIC projects.

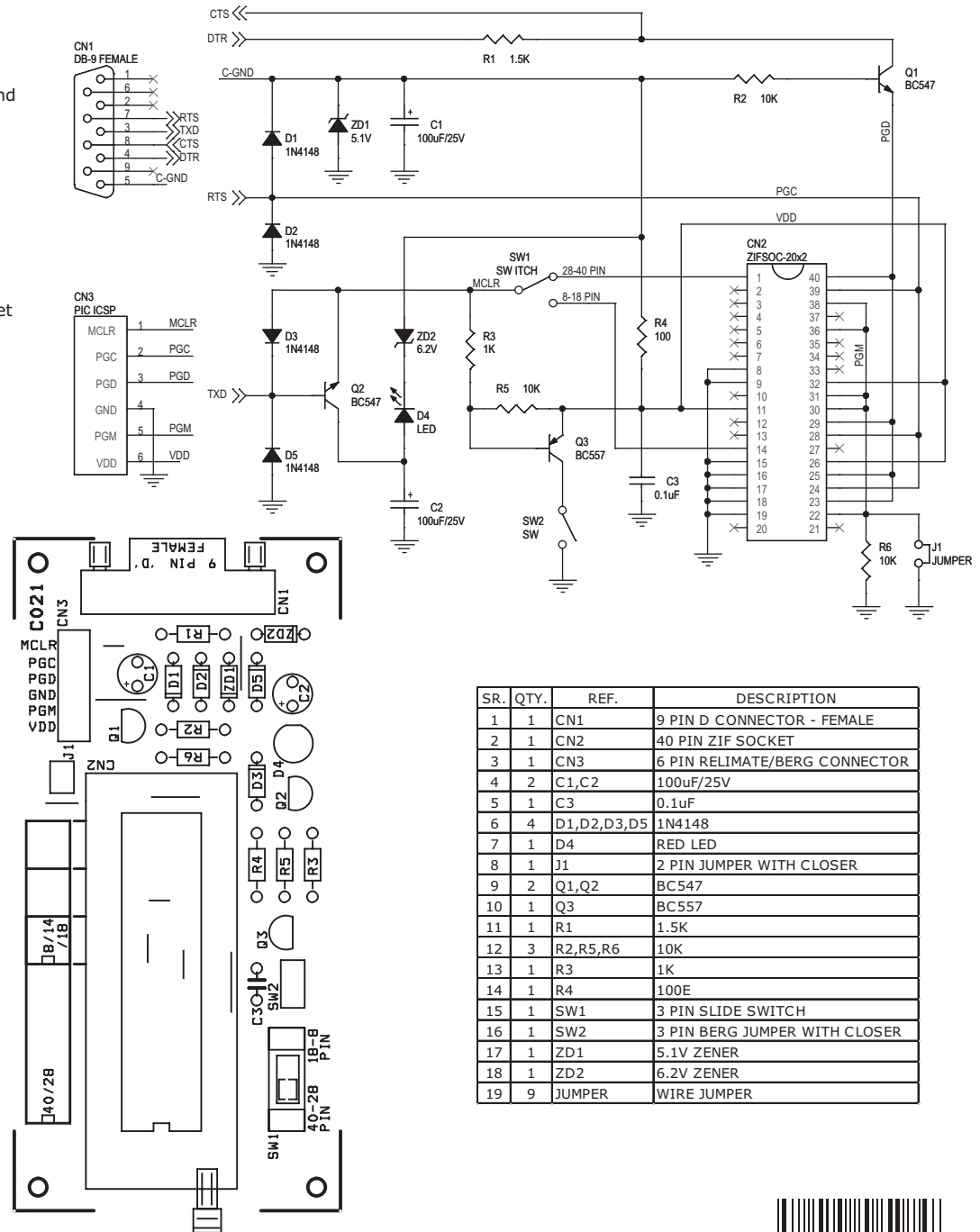
- JDM compatible interface design
- ICSP and direct chip level programming available
- ZIF type socket for easy placement and removal of the microcontroller
- LED indication of programming being done
- No power supply needed. May not work on laptops where the voltage may be below 7.3 V
- Zener Diode protected design
- 9-Pin PCB mounted female type D connector provided for PC side connection
- Selector switch for selecting different PIC type during programming in ZIF socket
- Marker points provided on PCB for proper insertion point of different PIC's in the ZIF socket
- Four mounting holes of 3.2 mm each
- PCB dimensions 53 mm x 108 mm



This is a Multichip PIC programmer using serial port. The programmer is a JDM Clone, named after its Original developer **Jens Dyekjar Madsen** who devised this first. The Programmer can program 8-pin to 40-pin devices using single ZIF socket as well as ICSP cable. ICSP option is available at Connector CN3 which is clearly marked for pin description. LED D4 Provides visual indication of programming taking place. This Programmer does not need any power supply. SW1 is a switch select for programming 40-28 and 18-8 PIC Micros in the ZIF socket. Since the programming voltage is taken from the Serial Port of the Computer, it is recommended you check this voltage before using it. Voltage at TxD, DTR and RTS should be  $\pm 7.5V$  and above. Insertion position of different PIC are clearly marked on the PCB if you wish to use the ZIF socket for programming. SW2 on the PCB selects the "VPP before VDD" option available for certain PIC micros with Internal OSC and MCLR chosen. Please check the datasheet of the respective PIC you choose to program for this feature. Some popular programming software used along with this programmer are IC-Prog of Bonny Gijzen and WinPic800 available at <http://www.winpic800.com>. These are freely downloadable from the net.

Please refer to the schematic diagram for the configuration of this board.

The kit includes all components required for the project accepts power supply, cabinet and Serial Port cable. Please check the components supplied to you as per the BOM "Bill of Material" listed in this document.



SR.	QTY.	REF.	DESCRIPTION
1	1	CN1	9 PIN D CONNECTOR - FEMALE
2	1	CN2	40 PIN ZIF SOCKET
3	1	CN3	6 PIN RELIMATE/BERG CONNECTOR
4	2	C1,C2	100uF/25V
5	1	C3	0.1uF
6	4	D1,D2,D3,D5	1N4148
7	1	D4	RED LED
8	1	J1	2 PIN JUMPER WITH CLOSER
9	2	Q1,Q2	BC547
10	1	Q3	BC557
11	1	R1	1.5K
12	3	R2,R5,R6	10K
13	1	R3	1K
14	1	R4	100E
15	1	SW1	3 PIN SLIDE SWITCH
16	1	SW2	3 PIN BERG JUMPER WITH CLOSER
17	1	ZD1	5.1V ZENER
18	1	ZD2	6.2V ZENER
19	9	JUMPER	WIRE JUMPER



