PIC18F 28-PIN DEVELOPMENT BOARD

PIC18F 28-Pin Development Board will help you with your prototyping requirement with any of Microchip's 18F 28pin PIC microcontrollers.

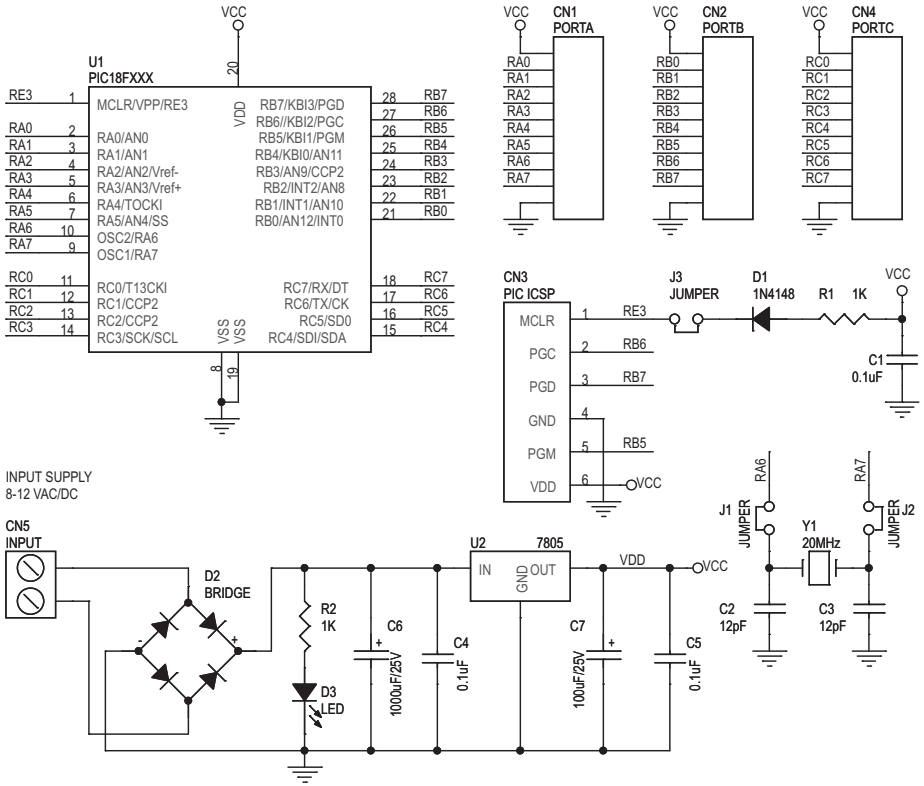
This is a versatile, configurable and cost effective Development Board available for the 18F 28-pin series of Microcontroller from Microchip. The Board comes in its simplest form with all the Port pins terminating in a Relimate/Berg connector for easy connection to the outside world.

Some of the key benefits of this Development board are

1. A ZIF socket enables easy removal of the target MCU from the development board.
2. Well Marked ICSP for connecter offers easy programming of the MCU on board.
3. Plug in, Plug out type crystal on the development board. Two jumpers J1 and J2 help you Plug In, Plug Out crystal from your project. A 20 MHz Crystal is supplied along with the kit.
4. Jumper J3 allows you to use RE3 as a IO pin and VPP for the ICSP connector
5. A bridge rectifier (D2) takes care of any polarity connection at Cn5. Power On LED D3 displays Power on the PCB and the Voltage Regulator IC U2 7805 ensures regulated power to the microprocessor and other devices connected to this board.
6. All Port Pin connector are capable of providing DC supply to the ADD ON cards. Please ensure that you calculate your current requirement before sourcing this supply from this PCB. No short circuit protection is provided at these outputs.
7. Four mounting holes of 3.2 mm each
8. PCB dimensions 80 mm x 71 mm

Please refer to the schematic diagram for the configuration of this board.
The kit includes all components required for the project. Please check the components supplied to you as per the BOM "Bill of Material" listed in this document. Component legends and In/Out port pins are clearly printed on the PCB.

SR.	QTY.	REF.	DESCRIPTION
1	3	CN1,CN2,CN4	10 PIN RELIMATE/BERG CONNECTOR
2	1	CN3	6 PIN RELIMATE/BERG CONNECTOR
3	1	CN5	2 PIN PBT CONNECTOR
4	3	C1,C4,C5	0.1uF
5	2	C2,C3	12pF
6	1	C6	1000uF/25V
7	1	C7	100uF/25V
8	1	D1	1N4148
9	1	D2	W04/W06/W08 BRIDGE RECTIFIER
10	1	D3	RED LED
11	3	J1,J2,J3	2 PIN JUMPER WITH CLOSER
12	2	R1,R2	1K
13	1	U1	PIC18F252
14	1	U2	7805
15	1	Y1	20 MHz CRYSTAL
16	1	SOCKET	28 PIN DIP ZIF SOCKET
17	1	SCREW	SC02905
18	1	NUT	NT02900



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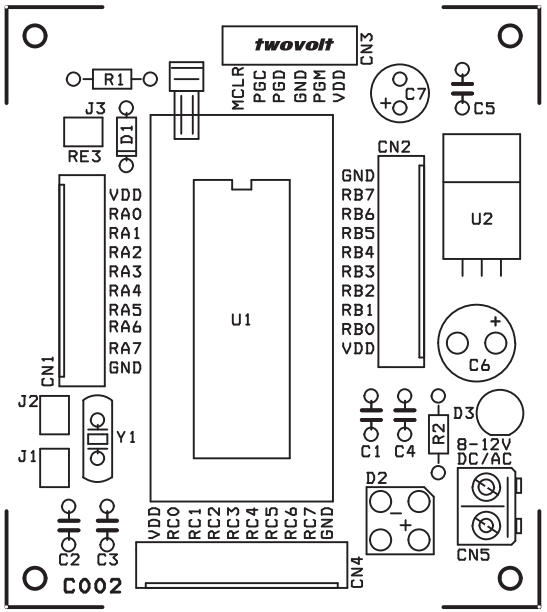

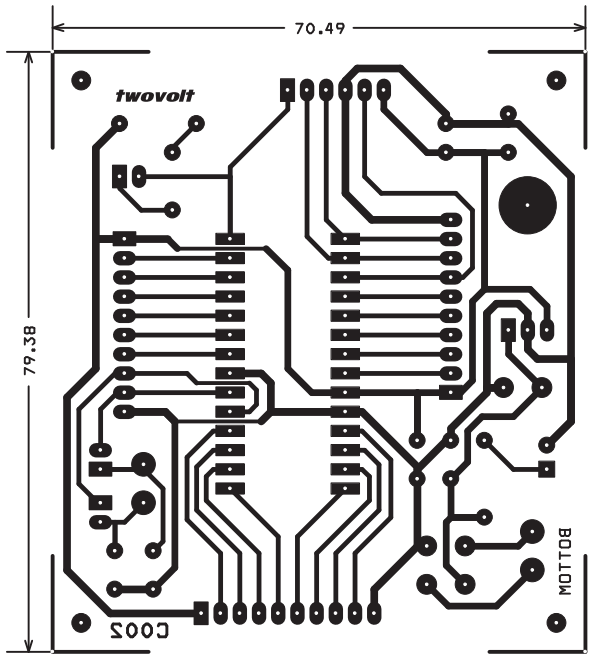

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