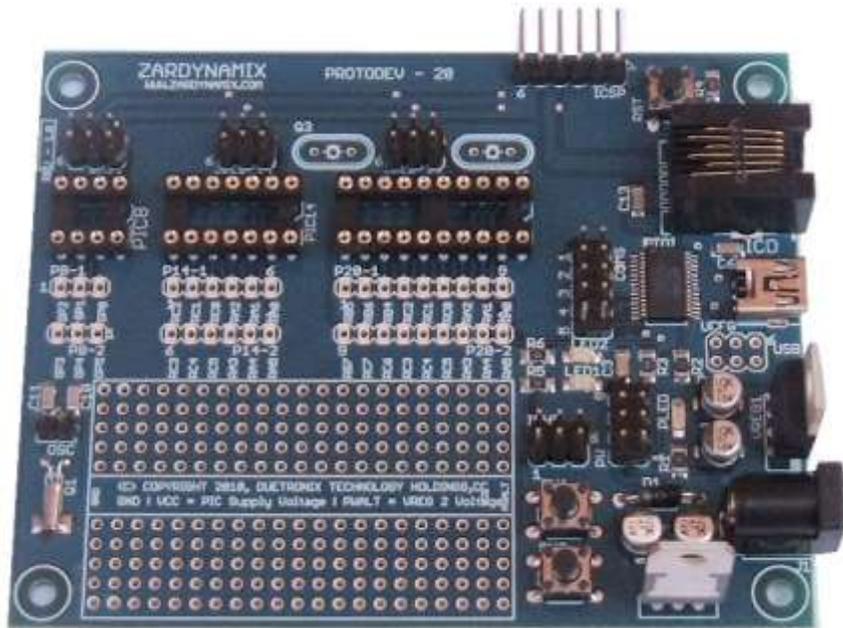


# ProtoDev - 20

The ProtoDev-20 is a compact and feature rich development PCB designed for the hobbyist and professional. Supporting both 8, 14 and 20 PIN DIP packages, the ProtoDev – 20 offers a cost effective, practical solution to PIC embedded development. Delivered fully assembled (PICs sold separately) and capable of supporting both standard F and J type PIC devices for both 16Fxx and 18 Fxx families, the PCB has 2 power supplies (3v3 and 5 Vdc), RS 232 to USB emulation, ICSP, ICD, Reset button, 2 Push Button switches, 2 LEDs and a



watch crystal for additional timing applications. A prototyping area with horizontally connected pads makes for easy proof of concept design and development with additional devices e.g. LCD display or LM35 temperature sensor. The PCB can be powered from a standard wall socket AC to DC converter power supply.

The hosted device can be programmed using an ICSP or ICD compatible on PCB socket or header. Communications to a PC is simple and easy using the FTDI USB to RS232 emulator and mini USB connector makes connection simple.

The adjacent prototyping (like strip board) area enables the developer to solder in additional components and devices. All PIC I/O is tracked to the connector strip and labelled, which is located conveniently close to the prototyping area.

ProtoDev Features	
Power Supply	3v3 / 5Vdc
Programming	ICSP and ICD 2 compatible interfaces
Communications	FTDI RTL232 USB to RS232 Emulation
I/O	2 LEDs + 2 Push Buttons
PIC Support	8 PIN DIP   14 PIN DIP   20 PIN DIP
Families	F: 16Fxx   18Fxx   J:18FXX

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Mantech Electronics | [www.mantech.co.za](http://www.mantech.co.za)

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