



DYH DESIGNS

www.dyhdesigns.com

18 Pin USB Project Board

Printed Circuit Board

2.5" high x 3.8" wide, double sided board with plated through holes, solder mask, and silkscreen

Breadboard

170 tie point solderless breadboard - 2 (rows) x 17 (columns) of 5 tie point busses

Five pin headers for 5 VDC (Vdd) and Ground (Vss)

Five and eight pin headers for micro-controller I/O

Micro-controller

DIP socket for PicAxe-18[®], 18A, or 18X micro-controller (available with or without 18X micro)

Reset button

Enhanced serial download circuit -

- 180 ohm resistor on Serial Out

- 10K and 22K ohm resistors and Schottky diode on Serial In

Power Supply

Dual power input, 9 Volt battery or external DC power supply (14 VDC max), 2.1 mm center positive
1 Amp, 5 VDC LDO regulator

Input (470 uF) and output (470 uF and 0.1 uF) filter capacitors

On-Off-On switch - battery or external power supply

Power on LED indicator

USB Programming Interface

On-board USB to serial converter (self powered)

Serial Tx and Rx LED indicators

Easy to install FTDI Virtual COM Port (VCP) driver

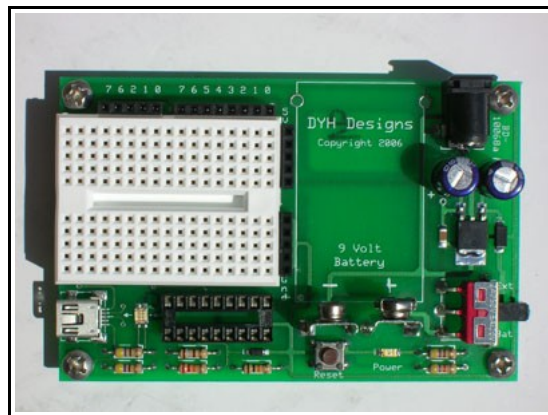
USB Mini B connector

Mechanical Mounting

Four 0.150" diameter holes

Hole pattern (2.2" x 3.5") mates to existing hole patterns
on Parallax's Boe-Bot[®] chassis and Pololu's Round Robot
chassis

Threaded aluminum standoffs and 6-32 x 1/4" screws
included



BD-10068 - 18 Pin USB Project Board