

## DESCRIPTION

The Proto PCB is designed as a convenient prototyping platform to enable the creation of custom accessories and circuits for Prop-1, Prop-2, and Prop-SX controllers. The Proto PCB is passive, yet carries signals for eight I/O lines, +5v, and ground. “Dog bone” pad layout simplifies the use of a DIP-8 or SOIC-8 component in the Proto PCB.

## PRODUCT APPLICATIONS

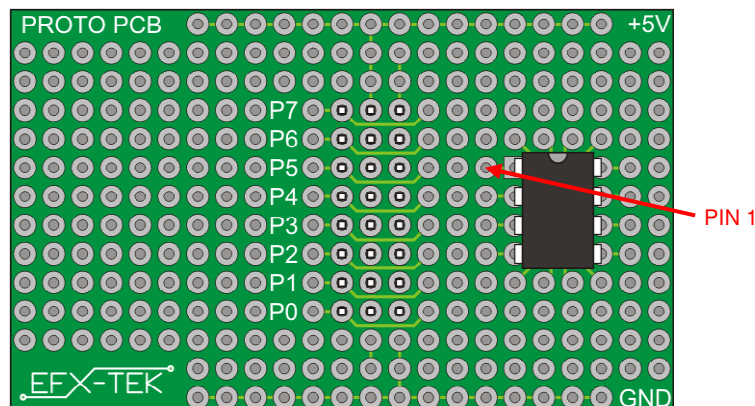
- Accessory prototyping
- Very low volume production of unique devices

## FEATURES & BENEFITS

- Mounts directly to Prop-1, Prop-2, and Prop-SX TTL I/O headers
- Male TTL I/O headers passed through board
- Vdd (+5v) and Vss (ground) rails to simplify power distribution to custom circuits
- Convenient mounting pads for DIP-8 and SOIC-8 devices
- Compact size: 2.30” x 1.40” (58.4mm x 35.6mm)

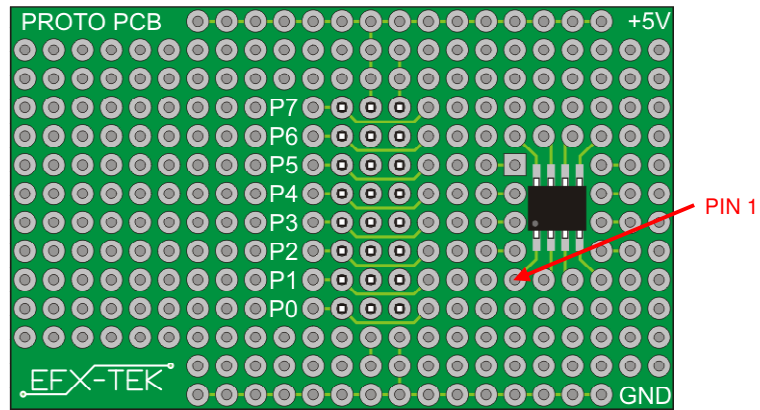
## Mounting a DIP-8 Device

The illustration below shows a DIP-8 type device mounted in the Proto PCB. Note that EFX-TEK recommends installing a socket instead of soldering the DIP-8 component directly to the Proto-PCB.



## Mounting an SOIC-8 Device

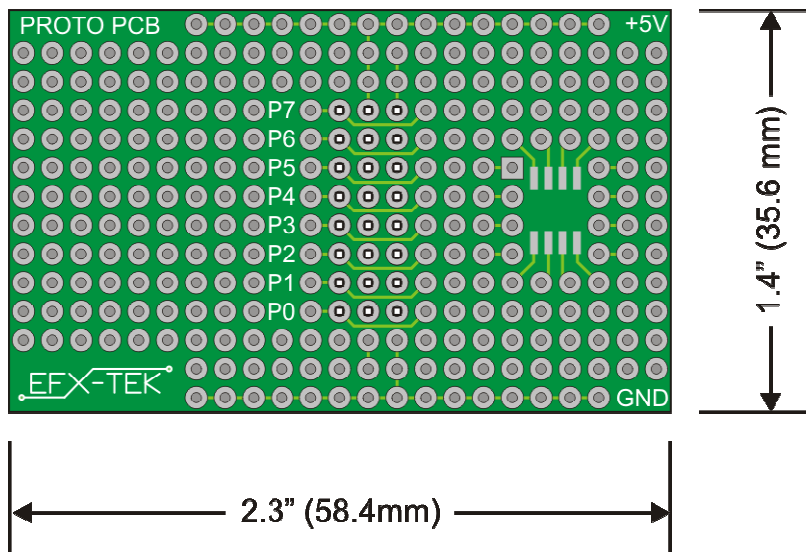
The illustration below shows an SOIC-8 type device mounted in the Proto PCB. Note that surface mount soldering requires patience and should not be attempted by beginners.



## Making Connections

I/O pins are brought out to two sets of pads, one set on each side of the I/O header block. Note that when used in the P8-P15 position of the Prop-2 and Prop-SX, the pads marked P0 correspond to controller P8, etc.

## MECHANICAL SPECIFICATIONS



## ELECTRICAL SPECIFICATIONS

The Proto PCB is a passive device; any current consumed will be from the custom circuit built on the Proto PCB.

*Specifications subject to change without notice.*