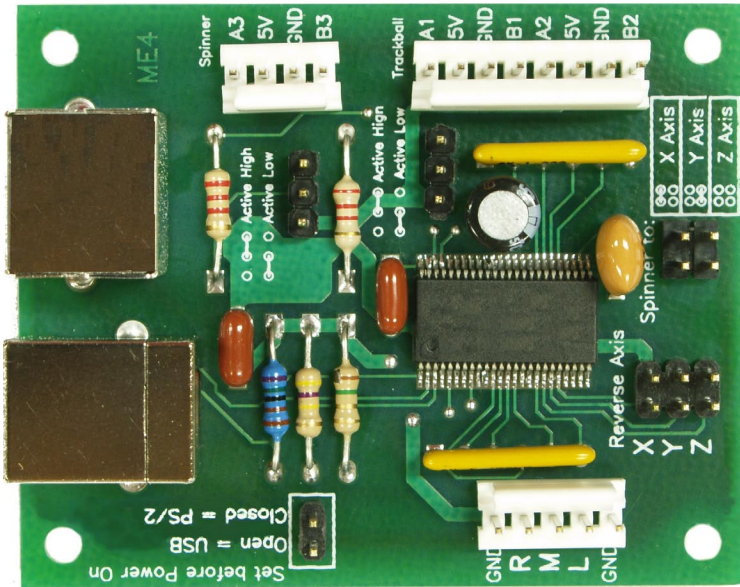


ME4 Trackball and Spinner Interface

Interface to PC USB or PS/2 Mouse Input



The ME4 accepts input from optical devices such as Trackballs and Spinners, and converts those signals into PC mouse protocol. The ME4 will allow either or both devices to be attached at the same time, and merges the signals into one mouse data report. This arrangement allows both the Trackball and Spinner to be used simultaneously or independently.

ME4 Features

- Trackball and Spinner signal is converted to USB or PS/2 Mouse protocol.
- Uses standard USB type B or 6 pin miniDIN connector for the computer interface.
- Looks like a USB or PS/2 Mouse to a PC.
- Operates Trackball, Spinner, or both at the same time.
- Jumper selectable for Spinner movement to appear as left-right, up-down or scroll wheel movement.
- Jumper selection allows for reversal of either or both axis movement and/or scroll wheel movement. (Adaptable to many Trackballs and Spinners, and allows for mounting of the spinner in different orientations.)
- Inputs to connect to switches for emulation of Left, Middle, and Right Mouse Buttons.

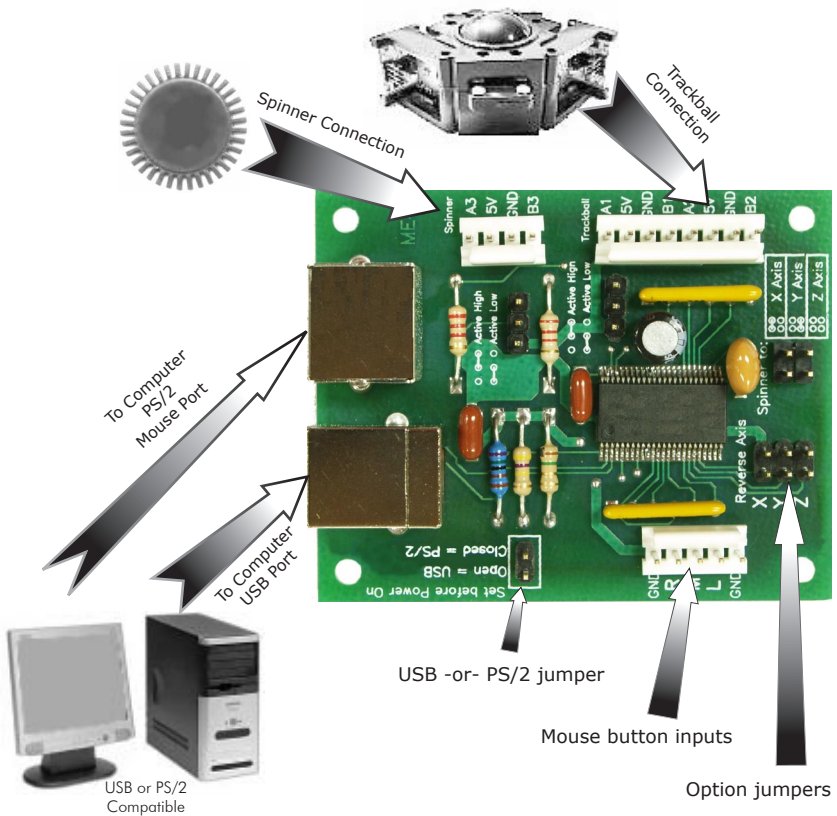
On the ME4 a jumper is used to select USB or PS/2 mouse emulation.

Jumpers are used to reverse movement on either X (left and right), Y (up and down) or Z (scroll wheel) axis. The input from the Spinner can be directed to the X, Y or Z axis based on another jumper selection.

Inputs are provided for connection of switches to emulate Left, Middle, and Right Mouse Buttons. These inputs are activated by shorting them to the provided logic ground.

Additional jumpers are provided for selection of Spinner and Trackball active high or active low. Spinner and Trackball devices requiring pull ups or pull downs can be separately accommodated.

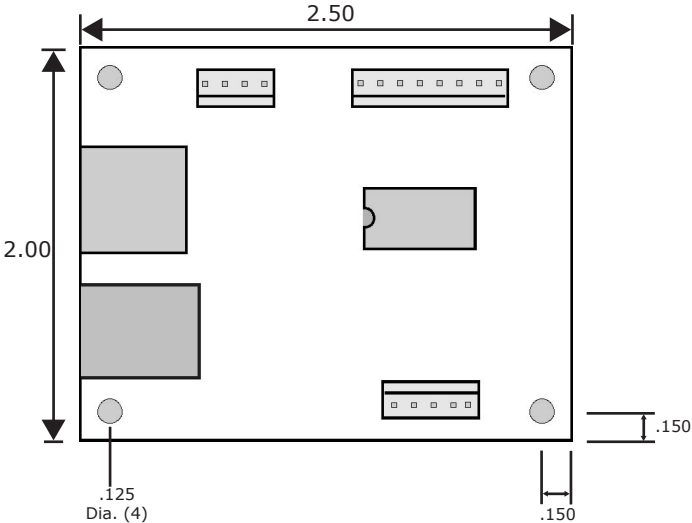
All power for the ME4 is taken from the computer's USB or PS/2 Mouse Port, so no other voltage supply is required.



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The ME4 is available with a cable set to connect any combination of the Trackball, Spinner and Mouse Buttons, or is available without the cable set for those who would like to purchase their own cables to connect either the Trackball or Spinner.

ME4 Specifications



Note: Dimensions are in inches.

Operating Voltage	5 Volts DC +/- 5%
Operating Current	30 ma Typical
Operating Temp.	0 to 70 Degrees C
PC Interface	USB or PS/2 Mouse Compatible