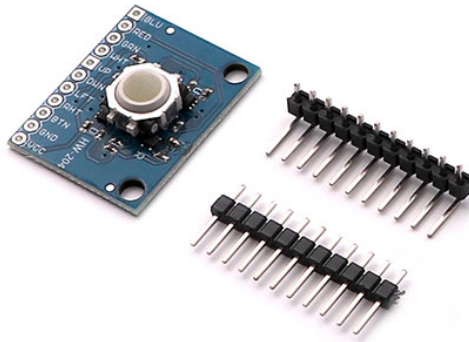


Trackball Hall Effect Sensor 360° Trajectory Ball Module Model:HW-204



Description:

The four spindles on the HW-204 Blackberry Trackball Hall Effect Sensor 360° Trajectory Ball Module have a tiny circular magnet the end each of these is paired with an SMD hall effect sensor, which is used to measure up, down, left and right movements of the trackball.

Tan SMD momentary switch is placed under the trackball to give you a select switch. The BTN line will be pulled low when the switch is pressed. Also included on the Trackball are 4 LEDs: red, blue, green and white. These can be powered to light the clear trackball up any color you can imagine.

All features are broken out to a 0.1" pitch header. Regulated, 2.5-5.25VDC power must be provided to power the Hall sensors. The trackball is attached to strong CA glue. Board comes as shown, with all components populated.

The hall-effect sensors and trackball combo are surprisingly sensitive. A slight roll of the trackball creates multiple high/low transitions on the four axis pins, easily picked up by any microcontroller essentially giving you the option of adding a mouse to your project. A 360° rotation of the trackball, along with a single axis, will result in about 9 high/low transitions.

Features:

- SMD hall effect sensor, which is used to measure up, down, left and right movements of the Trackball.
- There are 4 colors LEDs on the trackball red, blue, green and white.

Specifications:

- Operating Voltage: 2.5 - 5.25 V
- Operating Temperature: 20 ~ 70 °C
- Material: Plastic
- Dimensions (LxWxH): 28x22x8mm
- Weight: 5g

Application:

- Electronic Circuits.

Package Includes:

1 x HW-204 Trackball Hall Effect Sensor 360° Trajectory Ball Module