AA204

ICSH044A Blackberry Trackball Breakout Board

• The four spindles on the ICSH044A Blackberry Trackball Breakout Board 360 Degree Trajectory Ball Module Hall Effect Sensor have a tiny circular magnet in 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.
• An 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 Trackballer 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.