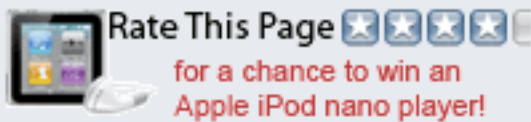


Navigation Interface Devices

- Navigation Sensors
- Optical Finger Navigation

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ADNK-3050

Entry-Gaming Optical Navigation Sensor Sample Kit

- All Detail
- Applications
- Documents

Description

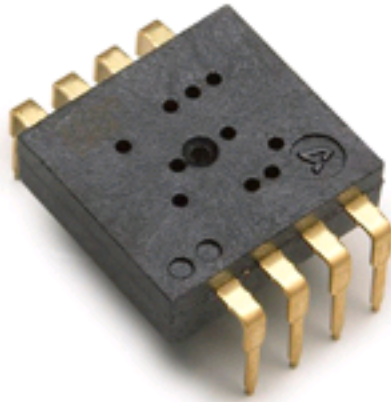
The **ADNK-3050** entry-gaming optical **navigation sensor sample kit**, from Avago Technologies, contains ADNS-3050 entry-gaming optical sensor which is compact design with fast speed and high performance optical mouse solution suitable for wired and wireless application, cater for entry gaming market.



**ADNS-3050** entry-gaming optical sensor are housed in an 8-pin package. The new entry-gaming optical sensors also feature a few additional power-saving elements such as external interrupt output for motion detection, programmable periods/ response times, and downshift times from one mode to another for the power-saving modes. High performance features such as high speed motion detection of 60ips and acceleration up to 20g. It also provide flexibility in selectable resolution and wired or wireless application. ADNS-3050 is a low-price, high performance optical mouse solution, giving casual gamers a perfect experience.



Lifecycle status:Active



ADNK-3050 entry-gaming optical **navigation sensor sample kit** includes five pieces each of the **ADNS-3050** entry-gaming sensor, ADNS-5110-001 trim lens, ADNS-5200 clip and HMLP-EG3E Red LED. Avago's entry-gaming optical sensor sample kit also includes supporting collateral, such as the corresponding data sheets and 3D model IGES files. These documents are all included on the entry-gaming optical **navigation sensor sample kit** CD. Engineers or designers can utilize this entry-gaming optical sensor sample kit for the initial design verification or prototype build. You may order your entry-gaming optical sensor sample kit through the Avago eStore, by clicking on the green Buy Now button.



Features

- Small Form Factor Package - 8-pin DIP
- Operating Voltage: 2.8V - 3.0V
- High Speed Motion Detection up to 160ips on white paper and acceleration up to 23g
- High Speed Motion Detection at typical of 60ips and acceleration up to 20g
- Selectable Resolution up to 2000cpi
- Four wire Serial Port Interface
- External Interrupt Output for Motion Detection
- Internal Oscillator - no clock input needed
- On-chip LED driver
- Minimal number of passive components
- Programmable power-saving modes for selectable wired or wireless application
- Customized response time and down shift time for rest modes
- Configurable LED operating modes and drive current

Applications

- Wired and Wireless Optical Gaming mice and trackballs
- Integrated input devices
- Battery-powered input devices

Benefits

- Low-power architecture
- Optimized power consumption based on surface condition
- Enhanced tracking performance and wider surface coverage
- Small form factor, providing design flexibility
- Realize compact, mobile mouse designs at lower cost

Documents

Data Sheets & Technical Specifications

- Data Sheet - ADNS-3050, Entry-Gaming Optical Navigation Sensor(362 KB,PDF)
- Sample Kit - ADNK-3050, Entry-Gaming Mouse Sensor(52 KB,PDF)

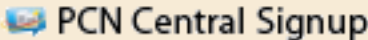
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