



# ASM683

## *Optical Navigation PS2 Module*

### DESCRIPTION

The ASM683 is a patented revolutionary solution of optical navigation sensor module for PS2 interface. It modularizes optical CIS system-on-chip dice, LED lens, LED, optical cover and PCB with COB bonding process, seamless suited for PC, NB and MID optical navigation mouse directly. The ASM683 supports the future upgraded System-On-a-Chip versions without any PCB changes, which is PCB-to-PCB compatible. The quality robustness and lowest BOM costs are alluring enough for OEMs and ODMs.

### PRODUCT FEATURES

- Patented finger-module structure
- Patented LED lens
- Patented navigation DSP and system designs
- Minimum components
- Lowest BOM cost
- PCB-to-PCB compatible
- 3D3K PS2 interface
- USB-IF and WHQL certificated
- Fully support Windows Vista, XP, 2000, ME, 98 operating systems, IntelliMouse 3D and IBM PS/2 mice compatible
- 800DPI or 1600DPI resolution selectable through DPI key or fixed 800DPI or 1600DPI
- Green module for RoHS compliant and 100% lead (Pb)-free

### APPLICATIONS

- Personal Computer
- Note Book
- Navigator Device



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