

TSM9946 Touchpad



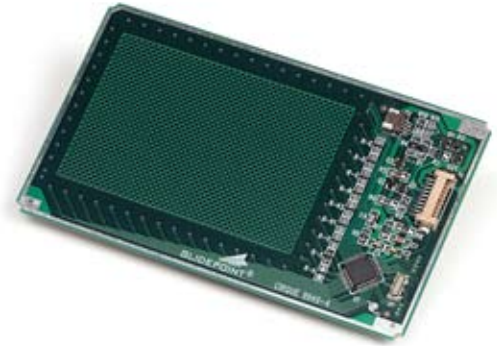
The TSM9946 is the largest non-custom touchpad surface we offer and is ideal for OEM integration into a wide variety of products requiring a high-performance input device. It is designed to utilize both PS/2® and USB communication protocols. We also offer custom overlays to match your design requirements.

applications

- Keyboards
- Touch control pads
- Industrial controls
- Kiosk input devices
- Medical instruments
- Security devices
- Point-of-sale devices
- Gaming devices

features

- Large sensing area: 77 x 54 mm
- Both PS/2 & USB compatibility
- Low power consumption
- Easy product integration due to thin, lightweight design
- No maintenance required – Sealable design is immune to moisture, dust and abuse
- Superior navigation and high responsiveness
- Windows®-compatible embedded features mean no additional drivers needed

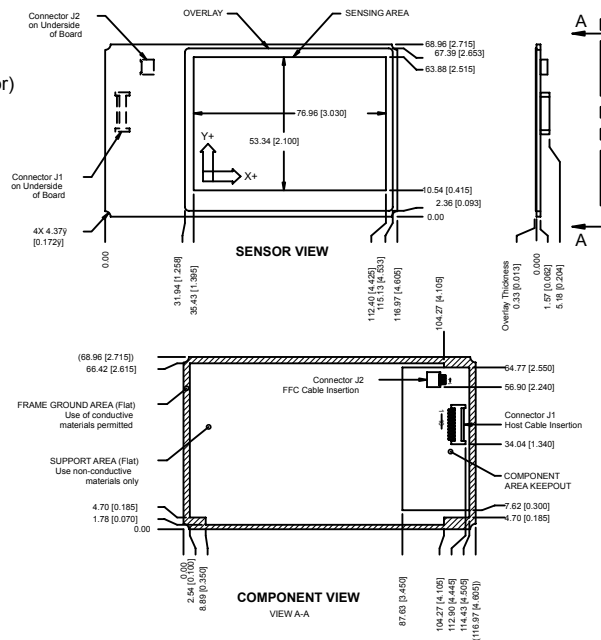


Using our patented GlidePoint® technology, the TSM9946 is immune to moisture, allowing it to function properly even with water droplets present on the touchpad's sensing surface. Power efficiency of any application is improved with an "idle mode," where the touchpad's current draw is reduced when a finger is not touching its surface.

The TSM9946 is fully compatible with standard Windows mouse drivers. No additional driver is required to activate many of its advanced features. Hardware-configurable options on the module allow for taps (function as left-button clicks), corner-taps (function as right-button clicks), vertical scroll (functions as mouse scroll wheel) and more, depending on the specific application. However, for applications requiring greater flexibility, we offer a Windows driver, which allows users to enable and disable advanced features, personalize settings and reprogram buttons.

For custom functionality at the product design stage, we offer software that allows OEMs to enable, disable or personalize advanced settings and/or reprogram the touch sensitive area.

Interface	PS/2 (with 10-pin FCC connector) and USB (with 10-pin cable connector)
Operating Systems	Windows 95, 98, 2000, NT, XP
Button Support	Two (2) mechanical buttons
Sensor Overlay	Standard - part no. 50-35-04 (additional overlays available)
Physical Parameters	
Length	116.80 mm (4.600 inches)
Width	68.80 mm (2.710 inches)
Thickness	5.50 mm (0.217 inches) with all components
Weight	< 32 g (< 1.13 ounces)
Active Sensing Area	77.20 x 54.00 mm (3.040 x 2.125 inches)
Voltage	5v +/- 10%
Current	PS2: 6.6 mA (active) PS2: 2.6 mA (idle) USB: 17.0 mA USB 13 mA (idle), 270 uA (suspend)
Operating Temperature	0 to 60° Celsius
Operating Humidity	5% to 100% relative humidity (condensing)
Storage Temperature	-40 to 65° Celsius
ESD	15kV when properly mounted in bezel
Environmental	EMI tolerant and manufactured RoHS compliant
Available Accessories	PS/2 cable: 183 cm (6 feet) - part no. 52-21-02 USB cable: 183 cm (6 feet) - part no. 52-21-00 Mounting bracket - part no. PK46-M



Our knowledgeable and helpful sales team is ready to answer all of your questions. Please call toll-free 1-800-GLIDE-75 or www.cirque.com.