

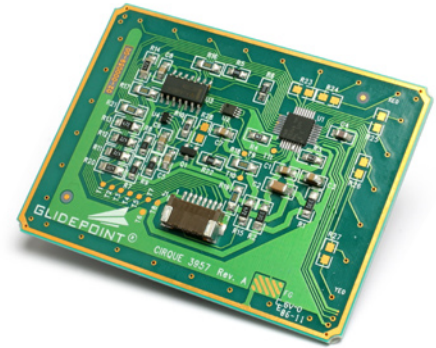
# TSM3957 Touchpad



Our TSM3957 touchpad is designed for use as a low power embedded PS/2® input device. It is similar in specification to the TSM9957, but its voltage and current specifications are improved to significantly reduce power consumption. Its dimensions are based upon the industry standard for notebook computer pointing devices, making it ideal for integration into a wide variety of products where space is constrained. We also offer custom overlays to match your design requirements.

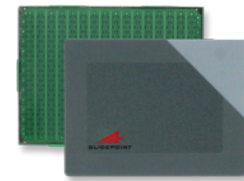
## applications

- Wireless keyboards
- Battery powered devices
- Remote controls
- Digital lifestyle players
- GPS devices
- Portable instrumentation
- Laptops



## features

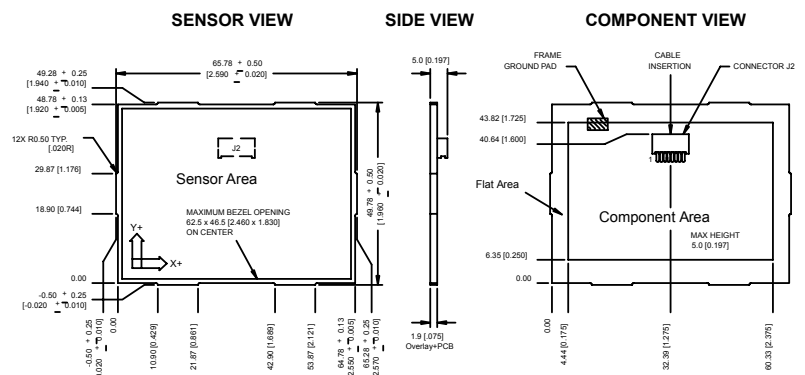
- Industry-standard Notebook Computer size: 49 x 65 mm
- PS/2 (8-pin FFC connector) compatibility
- Voltage: 3v +/- 10%
- Low power consumption (13 ua min) with advanced power management
- Easy product integration due to thin, lightweight design
- No maintenance required – Sealable design is immune to moisture, dust and abuse
- Superior navigation and high responsiveness
- Windows®-compatible embedded features mean no additional drivers needed



Using our patented GlidePoint® technology, the TSM3957 is immune to moisture, allowing it to function properly even with water droplets present on the touchpad's sensing surface. In battery operated environments, the TSM3957's power consumption is reduced with an active power management system, which automatically adjusts to user actions – automatic management of idle, sleep and shutdown modes.

The TSM3957 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 & horizontal scroll (functions as mouse scroll wheel) and more, depending on the specific application.

<b>Interface</b> .....	PS/2 with 10-pin FFC connector
<b>Operating Systems</b> .....	Windows 95, 98, 2000, NT, XP
<b>Button Support</b> .....	Three (3) mechanical buttons
<b>Sensor Overlay</b> .....	Standard - part no. 50-30-00 (additional overlays available)
<b>Physical Parameters</b>	
<b>Length</b> .....	48.78 mm (1.920 inches)
<b>Width</b> .....	64.78 mm (2.550 inches)
<b>Thickness</b> .....	5.00 mm (0.197 inches) with all components
<b>Weight</b> .....	< 14 g (< 0.5 ounces)
<b>Maximum Bezel Opening</b> .....	62.50 mm x 46.50 mm (2.460 x 1.830 inches)
<b>Voltage</b> .....	3v +/- 10%
<b>Current</b> .....	1.3 mA (idle - active but not tracking finger) 2.5 mA (active - tracking finger) 90 mA (sleep - waiting for a finger) 13 mA (shutdown)
<b>Operating Temperature</b> .....	0 to 60° Celsius
<b>Operating Humidity</b> .....	5% to 100% relative humidity (condensing)
<b>Storage Temperature</b> .....	-40 to 65° Celsius
<b>ESD</b> .....	15kV when properly mounted in bezel
<b>Environmental</b> .....	EMI tolerant and manufactured RoHS compliant
<b>Available Accessories</b> .....	Flatflex PS/2 cable: 38.1 mm (1.5 inches) - part no. 52-01-00 Flatflex PS/2 cable: 50.8 mm (2.0 inches) - part no. 52-01-02 Mounting bracket - part no. PK20-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.