

► TM5957 Touchpad

Our TM5957 is designed for use as an embedded SPI® input device. Its dimensions are based upon the industry standard for the 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.

Using our patented GlidePoint® technology, the TM5957 is immune to moisture, allowing it to function properly even with water droplets present on the touchpad's sensing surface. The TM5957 offers "idle mode" and "sleep mode" to improve power efficiency for touch applications.

APPLICATIONS

- Wireless products
- Keypads
- Mouse alternatives
- Industrial control panels
- Medical instruments
- PC peripherals
- Point-of-sale devices

FEATURES

- Industry-standard notebook computer size
- SPI (10-pin FFC connector) 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

Using our patented GlidePoint® technology, the touchpad is immune to moisture, allowing it to function properly even with water droplets present on the sensor 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.

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.



TM5957	
Interface	SPI with 10-pin FFC connector
Button Support	Three (3) mechanical buttons
Sensor Overlay	Multiple touchpad overlays available
Physical Parameters	Length: 65.80 mm Width: 49.80 mm Thickness: 4.80 mm with all components Weight: < 14 g
Active Sensing Area	61.80 x 45.80 mm
Voltage	3V +/- 15% (5V +/- 10% optional)
Current	4.0 mA (active) 2.7 mA (idle) 60-200 uA (sleep) 1 uA (75 uA for 5V option) (shutdown)
Operating Temperature	-40 to 85° Celsius
Operating Humidity	5% to 95% relative humidity (non-condensing)
Storage Temperature	-55 to 150° Celsius
ESD	15kV when properly mounted in bezel
Environmental	EMI tolerant and manufactured RoHS compliant
Available Accessories:	Mounting bracket: part no. PK20-M