



Maxim's High-Speed USB Protectors Deliver Automotive-Grade Protection for Mobile Connectivity

Maxim Integrated Products provides robust ESD protection with its fully integrated USB 2.0 protectors to safely and quickly connect drivers to mobile devices.

otive radio, navigation, connectivity, and USB hub applications.

Maxim also offers system-level modeling and simulation support to achieve the best performance for customer-specific applications.

The integrated host-charger detection circuitry and the adjustable current capability (3A) allow the USB peripheral devices to be charged quickly and efficiently. The industry's lowest on-resistance BUS switch minimizes line drop, ensuring USB compliance.



Maxim Integrated Products Inc. (NASDAQ: MXIM) introduces the MAX16919/MAX16969, High-Speed USB 2.0 automotive-grade protectors with iPod®/iPhone® fast-charge detection and USB host-charger detection for all USB gadgets. The protectors' fast-charge detection supports both High-Speed USB (480Mbps) and full-speed USB (12Mbps) operation, which conveniently lets consumers recharge their USB devices while driving.

Additionally, the MAX16919/MAX16969 are the only fully integrated automotive-grade USB protectors; they combine several automotive-specific benefits, including short-to-battery and short-to-ground protections, which are required in today's harsh automotive environment. These devices are ideal for auto-

"Maxim is the industry leader for automotive-grade USB protection," said Kent Robinett, Managing Director at Maxim Integrated Products. "As the newest members of the company's automotive USB protection devices, the MAX16919/MAX16969 reflect the industry's advances in mobile integration within the automotive environment," Robinett added.

These new protection ICs complement the company's MAX16942E/MAX16943E/MAX16944E, the previously released automotive-grade USB protectors for automotive radio, navigation, connectivity, and USB hub applications.

The devices are available in a 16-pin QSOP package and operate over the -40°C to +105°C temperature range.

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