

USB 3.0 Connector

Tyco Electronics

Shanghai, China -- Jan 4, 2011 -- As newer consumer devices and computer peripherals become more memory intensive, the need for much higher data transfer rates is more evident than ever.

With such requirements in mind, Tyco Electronics (TE), a voting member of Universal Serial Bus-Implementers Forum (USB-IF), is pleased to release a new USB 3.0 connector, which retains all the great features of previous generations of USB interconnects while improving performance and power management.

TE's USB 3.0 connector meets all standards of USB-IF. It supports 5 Gbps data rate for fast sync-n-go, a 10X performance increase over USB 2.0 that makes downloading an HD movie a snap. In addition, the USB 3.0 connector is backward compatible with USB 2.0 while offering optimized power efficiency by eliminating device polling and reducing active and idle power requirements. It allows a unit load of 150mA (a 50% increase over the minimum unit load of USB 2.0) up to six unit loads (900 mA, an 80% increase over USB 2.0 at a registered maximum of 500 mA). This means that USB 3.0 has up to 80% more power capacity based on the configuration of the device.

According to the USB-IF, the standards body controlling the USB specification, the USB connector is the most popular form of interconnect in the consumer electronics marketplace today -- based on broad proliferation, versatility and ease of use. This interconnect clearly found its place in the PC and PC peripheral arena and can be found in nearly every consumer device produced in the last decade.

In the near future, TE plans to offer a full line of certified USB 3.0 product solutions, including various configurations of Standard A and B style plugs and receptacles; powered B plugs and receptacles; Micro B and AB plugs and receptacles; and cable assemblies. Various stacked and combination variations are expected to round out the TE USB 3.0 portfolio.

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