



# SuperSeal™

## USB 3.0 connectors

The latest version of the Universal Serial Bus (USB) standard for interfacing computers and electronic devices sees a significant speed increase over the previous standard. The USB 2.0 standard offers a theoretical maximum signaling rate of 480 megabits per second, while USB 3.0 defines a maximum rate of 5 gigabits per second—more than ten times faster than USB 2.0. To achieve this, one-way communication on USB 2.0 has been dropped. USB 3.0 uses two unidirectional data paths, one to receive data and the other to transmit. USB 3.0 also provides up to 900mA of power when needed (better power management helps to conserve power when connected devices sit idle), as well as robust sealing against fluids and dust for harsh environments with 1P67-rated sealing in an unmated condition and IP68-rated when mated. Glenair connectors and cable assemblies deliver improved EMI/RFI shielding, outstanding sealing and improved shock and vibration protection. USB 3.0 is available across the following connector types: 38999, 5015 (ITS), 26482 (IPT), 28840 and Mighty Mouse. These popular connector families fill the growing need within aerospace, naval, industrial, and soldier worn, harsh-environment applications to benefit from this ubiquitous, high-speed, data transmission protocol. Military grade connector protection against water ingress, dust and debris, while maintaining signal integrity allows for USB 3.0 to be used across various applications. Glenair is committed to offering an evolving range of protocol support and termination options to meet advanced communication requirements in harsh environmental conditions.

- **USB 3.0 protocol**
- **High-speed data transmission rate of up to 5Gb/s**
- **High-sealing capability: IP67 rated in unmated condition. 1P68 rated in mated condition**
- **Available across all SuperSeal™ connector packages including D38999, 5015 (ITS), 26482 (IPT), 28840 and Mighty Mouse Series 801, 804 and 805**