

### XUSB Series USB Connectors



Xmultiple Technologies manufactures a wide variety of USB Connectors and Mini USB type A and type B Connectors compatible with both USB 1.1 and USB 2.0 connector specifications.

Most of these USB Connector models are available as USB board mount, SMT and panel mount connectors or USB cable mount connectors.

Xmultiple Technologies designs and manufacture USB connectors for high volume custom applications, as well as carrying a stock in the United States for small volume, prototyping, and design needs.

Just about any computer a consumer purchases today comes with one or more **Universal Serial Bus** connectors on the back. These USB connectors let you attach everything from mice to printers to your computer quickly and easily. The operating system supports USB as well, so the installation of the device drivers is quick and easy, too. Compared to other ways of connecting devices to your computer (including parallel ports, serial ports and special cards that you install inside the computer's case), USB devices are incredibly simple!

### Features and Benefits

- Shielded for reduced EMI/RFI emissions
- Dual stacked version increases PC board density
- Design facilitates easy wave soldering
- Stacked Connectors including up to 4 Type A
- Custom Options Available
- Shielded USB connectors provide grounding through plane and PC Board
- Reduced labor cost for USB assembly
- Gold plating and solder tails for USB 2.0
- Conforms to USB connector standards

### Markets

- Personal Computer
- Data Communications
- Medical Equipment
- Testing Equipment
- Instrumentation

# LED MODULAR JACK SPECIFICATIONS

## Electrical- USB

- ✦ **Contact Current Rating** – 1A max.
- ✦ **Contact Resistance** – 30 milliohms max.
- ✦ **Voltage Rating** – 30V AC
- ✦ **Dielectric Withstanding Voltage** – 750V AC
- ✦ **Insulation Resistance** – 1000m ohms min.
- ✦ **Shielding Effectiveness** - 20dB min., 10 to 200 MHz
- ✦ **Contact Resistance** - 25m ohms Max. initial Temperature Rating: 32°F to 104°F (0°C to 40°C)
- ✦ **Insertion Force** - 7.7 lbs Max (3.5 kg Max.)
- ✦ **Withdraw Force** - 0.8 lbs Min. (0.4 kg Min.)

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## Mechanical

- ✦ **Durability** - 1500 mating cycles min.
- ✦ **Mating Forces** – 3.5kg Max
- ✦ **Unmating Forces** – 1.0kg Max
- ✦ **Operating Temperature** - -40°C to 70°C

## Material & Finish

- ✦ **Housing** - High temperature Nylon and molded thermoplastic, Black, UL 94V-0 rated.
- ✦ **Contact** – Copper alloy, gold plating in mating area, tin plating on solder tails, all over nichel plating.
- ✦ **Shielding** – Copper alloy, tin plated Plated

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The logo for XMULTIPLE, featuring the word "XMULTIPLE" in a bold, yellow, sans-serif font. The letters are set against a dark blue background that has a white, curved, swoosh-like shape on the right side, suggesting motion or a signal. The "X" is slightly larger and more prominent than the other letters.

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