New Product USB 3.0 Connectors GSB3 Series

Now you're connected!



About Amphenol Commercial Products

Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial.







Description

Amphenol introduces the SuperSpeed USB 3.0 connector solution to better serve the new market demand which requires much higher data rates.

SuperSpeed USB 3.0 is operating up to 5Gbps , delivering 10X time the data transfer rate compared to USB 2.0.

With its fast Sync-N-Go technology, it minimizes users wait-time even using 1/3 the power of the USB 2.0 generation thanks to its optimized power efficiency.

Backward compatible with the previous USB 2.0, keeping the same ease of use and plug-and-play capabilities, the USB 3.0 connectors are available in various types :

- § Standard type A receptacle, Right Angle, DIP.
- § Standard type B receptacle, Right Angle, DIP.
- § Standard type Micro B receptacle, SMT.
- § Standard stacked type A receptacle, Right Angle, DIP.
- § Standard type A plug, Right Angle, SMT.

Applications

The Amphenol USB 3.0 connectors meet a wide variety of needs in Consumer Electronics and Mobile architectures and are mainly intended for :

- § Server
- § Storage
- § Desktop
- § PDA
- § Set Top Box
- § Hard Disk Drive
- § Digital Media Player
- § Camcorder

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Related Products

Amphenol manufactures an entire product line of USB 3.0 connectors. Contact your local Amphenol representative for details







Electrical Properties

A & B type

Voltage rating: 30V AC Current Rating:

Pin 1 & Pin 4 : 1,8AOther pins : 0,25A

Contact Resistance:

- Pin 1 & Pin 4 : $30m\Omega$ Maxi. - Other pins : $50m\Omega$ Maxi.

Dielectric Withstanding Voltage : 100VAC Insulation Resistance : 100M Ω Mini. Differential Impedance : $90\Omega \pm 15\Omega$

Mechanical Properties

Housing: High Temperature plastic material UL 94V-0 rated.

Contact: Copper Alloy

Shell: Copper Alloy or Stainless steel

Insertion Force : 35.0N Maxi Extraction Force : 8.0N Mini

Available Documents

Drawing GSB316431CEU
Drawing GSB311231HR
Drawing GSB3211XXXWEU
Drawing GSB311131HR
Drawing GSB343133HR
Drawing GBB343K33XHR

Part Numbers

See attached drawings

Amphenol

Amphenol InfoCom Europe PO Box 63 3990 DB Houten The Netherlands Voltage rating: 30V AC Current Rating:

Pin 1 & Pin 5 : 1,8AOther pins : 0,25A

Contact Resistance:

- Pin 1 & Pin 5 : $30m\Omega$ Maxi. - Other pins : $50m\Omega$ Maxi.