

# New Product

## USB 3.0 Connectors GSB3 Series

Amphenol

*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

Amphenol

*Now you're connected!*

#### 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 : 1,8A
- Other pins : 0,25A

Contact Resistance :

- Pin 1 & Pin 4 : 30mΩ Maxi.
- Other pins : 50mΩ Maxi.

Dielectric Withstanding Voltage : 100VAC

Insulation Resistance : 100MΩ Mini.

Differential Impedance : 90Ω ±15Ω

##### Micro B type

Voltage rating : 30V AC

Current Rating :

- Pin 1 & Pin 5 : 1,8A
- Other pins : 0,25A

Contact Resistance :

- Pin 1 & Pin 5 : 30mΩ Maxi.
- Other pins : 50mΩ Maxi.

#### 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

[www.amphenolinfocom.eu](http://www.amphenolinfocom.eu)

Copyright © Amphenol Corporation 2006 • All rights reserved

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[GSB316431CEU](#) [GSB311231HR](#) [GSB317131HR](#) [GSB327133EU](#) [GSB316441CEU](#)