

## USB 3.0 Type A. Right Angle, Receptacle, Through Hole, Standard Type

### Features & Benefits

- Fully compliant with USB2.0 & 3.0 specification.
- Provides the interface for Super Speed up to 5 Gbps data rate.
- 5 metal friction lock grounding fingers and Polarization plastic design ensure plug retention.
- Rugged Gold-plated leaf contact withstand up to 5000 cycles.
- High temperature plastic for SMT process and Halogen Free solution.
- Two Fork Lock hold-down ensure mounting Force.
- Full metal shielding for EMI / RFI / ESD protection.

### Mechanical

Insertion Force: 35.0N max.  
 Extraction Force: 8.0N min.  
 Standard Durability class: 1500 cycles min.  
 High Durability class: 5000 cycles min.

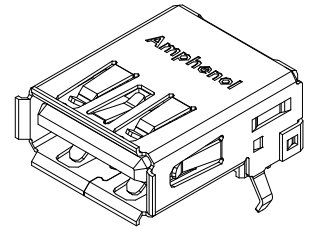
### Physical

- Material:  
 Housing: 94V-0 high temperature thermoplastic, with 30% GF, Blue color (Pantone 300C).  
 Spacer: 94V-0 high temperature thermoplastic, with 30% GF, Blue color (Pantone 300C).  
 Terminal: Phosphor Bronze.  
 Shell: Copper Alloy.

### Electrical

Voltage: 30.0 VA  
 Current: Pin 1 & Pin 4 -- 1.8A.  
 Other Pins -- 0.25A min.  
 Contact Resistance: Pin 1 & Pin 4 -- 30mΩ Max.  
 Other Pins -- 50mΩ Max.  
 Dielectric Withstanding Voltage: 100 VAC  
 Insulation Resistance: 100MΩ min.  
 Impedance: 90Ω +/-15 Ω@ 50 ps rise time (20%~80%).

GSB311131HR



Part No	Plating	Packaging	Circuit No.
GSB311111HR	Gold Flash	Tape & Reel	9
GSB311131HR	30 μ" Gold		

### Dimension / P.C Board Layout

Design in: mm

