



**MUSB, MUSBR, UUSB SERIES**

# MINI & MICRO USB 2.0 INTERFACES

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?MUSB](http://www.samtec.com?MUSB) or [www.samtec.com?MUSBR](http://www.samtec.com?MUSBR)

- Insulator Material:** High Temperature Thermoplastic
- Contact Material:** Phosphor Bronze
- Shell Material:** Brass
- Plating:** Gold on Mating Area, Nickel on Shell, Tin on Tails
- Operating Temp Range:** -50°C to +85°C
- Current Rating:** 1A per contact
- Voltage Rating:** 30 VRMS
- Contact Resistance:** 50 mΩ max
- Minimum Cycles:** 1500
- Packaging:** Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.
- RoHS Compliant:** Yes
- Lead-Free Solderable:** Yes

| TYPE  | NO. OF CONTACTS | PLATING  | COLOR                 | TYPE                                 | SM | A |
|---|-----------------|--|-----------------------|--------------------------------------|----|---|
| <b>MUSB</b><br>= Mini USB 2.0                 | <b>-05</b>      | <b>-F</b><br>= Gold Flash on Mating Area, Tin on Tails         | <b>-O</b><br>= Orange | <b>-B</b><br>= B Type (MUSB & MUSBR) |    |   |
| <b>MUSBR</b><br>= High Retention Mini USB 2.0 |                 | <b>-S</b><br>= 30μ" (0,76μm) Gold on Mating Area, Tin on Tails |                       | <b>-AB</b><br>= AB Type (MUSB only)  |    |   |
|   |                 |  |                       | <b>-A</b><br>= A Type (MUSBR only)   |    |   |

**ALSO AVAILABLE**  
Mini USB-A Type. Call Samtec.

• High retention option

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?UUSB](http://www.samtec.com?UUSB)

- Insulator Material:** Black LCP
- Contact Material:** Phosphor Copper
- Plating:** Au over 50μ" (1,27μm) Ni
- Shield Plating:** Sn over 50μ" (1,27μm) Ni
- Operating Temp Range:** -30°C to +80°C
- Current Rating:** 1A (pin 2, 3, 4) per signal contact, 1.8A (pin 1, 5) per power contact
- Voltage Rating:** 100 VAC
- Contact Resistance:** 50 mΩ max
- Cycles:** 10,000
- RoHS Compliant:** Yes

| UUSB                           | TYPE                     | S | PLATING  | TERMINATION                   | TR                          |
|--------------------------------|--------------------------|---|--|-------------------------------|-----------------------------|
| <b>UUSB</b><br>= Micro USB 2.0 | <b>-AB</b><br>= Micro AB |   | <b>-F</b><br>= Gold Flash on Mating Area and Tails                     | <b>-SM</b><br>= Surface Mount | <b>-TR</b><br>= Tape & Reel |
|                                | <b>-B</b><br>= Micro B   |   | <b>-S</b><br>= 30μ" (0,76 μm) Gold on Mating Area, Gold Flash on Tails |                               |                             |

Due to technical progress, all designs, specifications and components are subject to change without notice.

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