



**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> = Mini USB 2.0	<b>-05</b>	<b>-F</b> = Gold Flash on Mating Area, Tin on Tails <b>-S</b> = 30μ" (0,76μm) Gold on Mating Area, Tin on Tails	<b>-O</b> = Orange <b>-</b> = Leave blank for MUSB	<b>-B</b> = B Type (MUSB & MUSBR) <b>-AB</b> = AB Type (MUSB only) <b>-A</b> = A Type (MUSBR only)		

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

**-A TYPE** (9,90) .390  
**-AB TYPE** (9,90) .390  
**-B TYPE** (9,90) .390, (4,40) .173, (5,45) .215, (4,00) .157, (0,80) .031 DIA

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

**-AB TYPE** (7,50) .295, (5,58) .220, (5,00) .197, (8,80) .346, (4,00) .157, (0,45) .018 DIA  
**-B TYPE** (7,50) .295, (5,00) .197, (5,63) .221, (8,00) .315, (2,95) .116, (2,35) .093, (0,60) .024

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

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