



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

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

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

**PRELIMINARY**

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

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