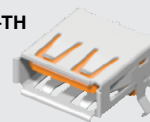
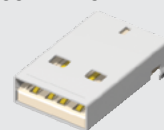


USB-A-D-S-B-TH

USB-R-A-S-F-O-TH



USB-AM-S-F-W-TH



USB-A-S-F-B-VU

USB-A, USBR-A, USB-AM SERIES

# STANDARD & RUGGED USB 2.0

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?USB-A](http://www.samtec.com?USB-A), [www.samtec.com?USBR-A](http://www.samtec.com?USBR-A) or [www.samtec.com?USB-AM](http://www.samtec.com?USB-AM)

**Insulator Material:**

High Temperature Thermoplastic

**Contact Material:**

Phosphor Bronze

**Plating:**

Gold on Contacts, Nickel on Shell, Tin on Tails

**Operating Temp Range:**

-50 °C to +85 °C

**Voltage Rating:**

30 VAC

**Contact Resistance:**

30 mΩ

**Cycles:**

1500 (max tested)

**Packaging:**

Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation available

**RoHS Compliant:**

Yes

**Lead-Free Solderable**

-TH & -VU=Yes

(Wave Solder only)

**TID Numbers (USB-A):**

USB-A-D-X-X-TH (61001199)

USB-A-S-X-X-TH (61001180)

USB-A-S-X-X-SM2 (61001152)

**TID Number (USB-AM):**

USB-AM-S-X-X-SM (61001154)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

TYPE	A	SHELL TYPE	PLATING	COLOR	TERMINATION
USB = Standard Connector		-S = Single -D = Double (-TH option only)	-F = Gold Flash on Mating Area, Tin on Tails -S = 30 μ" (0.76 μm) Gold on Mating Area, Tin on Tails	-B = Black (USB only) -W = White (USB only) -O = Orange (USBR only)	-TH = Through-hole -SM2 = Surface Mount (USB only) -VU = Upright, Through-hole

USB	TYPE	SHELL TYPE	PLATING	COLOR	TERMINATION
-AM = A Type (Plug)		-S = Single	-F = Gold Flash on Mating Area, Tin on Tails -S = 30 μ" (0.76 μm) Gold on Mating Area, Tin on Tails	-B = Black -W = White	-TH = Through-hole -SM1 = Surface Mount