



USB-A-D-S-B-TH

USBR-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) or [www.samtec.com?USBR-A](http://www.samtec.com?USBR-A)

**Insulator Material:**

High Temperature Thermoplastic



**Contact Material:**

Phosphor Bronze

**Shell Material:** Copper Alloy

**Plating:** Gold on Contacts, Nickel on Shell, Tin on Tails

**Operating Temp Range:**

-50°C to +85°C

**Current Rating:**

1 A per contact

**Voltage Rating:** 30 VAC

**Contact Resistance:**

30 mΩ max

**Cycles:**

1500 (maximum number of cycles tested)

**Packaging:**

Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.

**RoHS Compliant:** Yes

**Lead-Free Solderable:**

-SM1=Yes

-TH, -VU & -VT=Yes

(Wave Solder only)

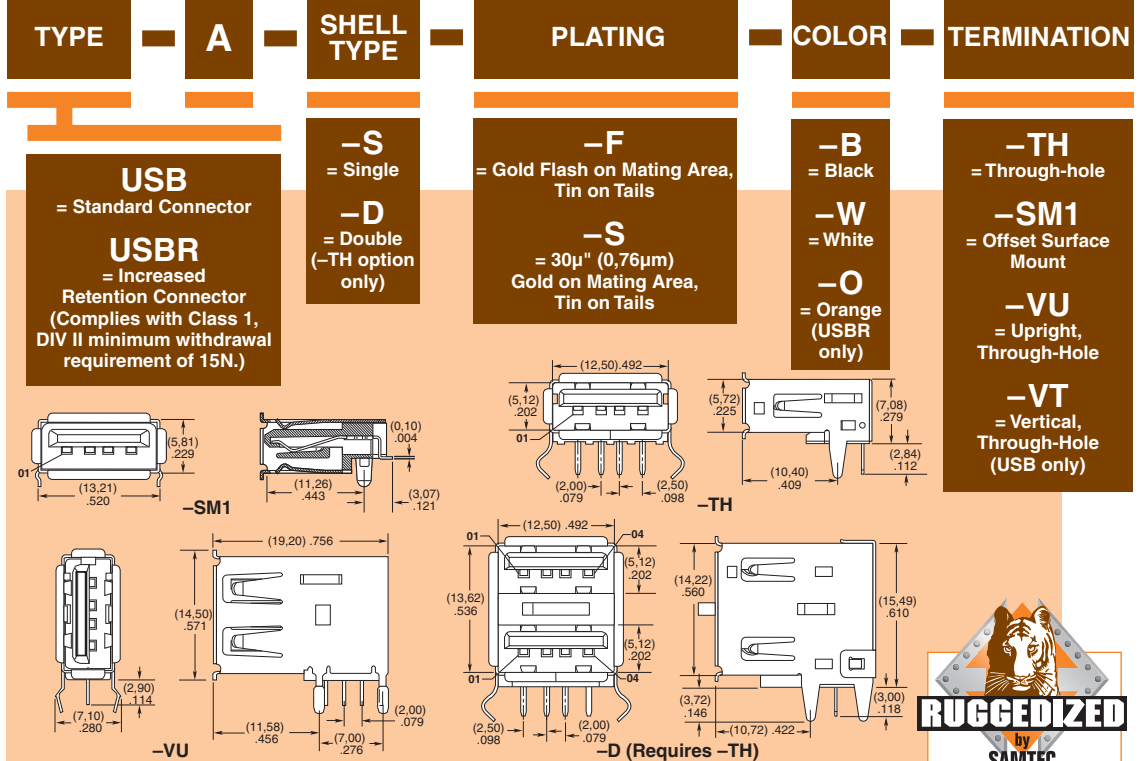
**TID Numbers:**

USB-A-D-X-X-TH (60001199)

USB-A-S-X-X-TH (60001180)

USB-A-S-X-X-SM1 (60001152)

USB-A-S-X-X-VT (60001153)



## SPECIFICATIONS

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

**Insulator Material:**

High Temperature Thermoplastic



**Contact Material:**

Phosphor Bronze

**Shell Material:** Copper Alloy

**Plating:** Gold on Contacts, Nickel on Shell, Tin on Tails

**Operating Temp Range:**

-50°C to +85°C

**Current Rating:** 1 A per contact

**Voltage Rating:** 30 VAC

**Contact Resistance:** 30 mΩ max

**Cycles:** 1500 (maximum number of cycles tested)

**Packaging:**

Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.

**RoHS Compliant:** Yes

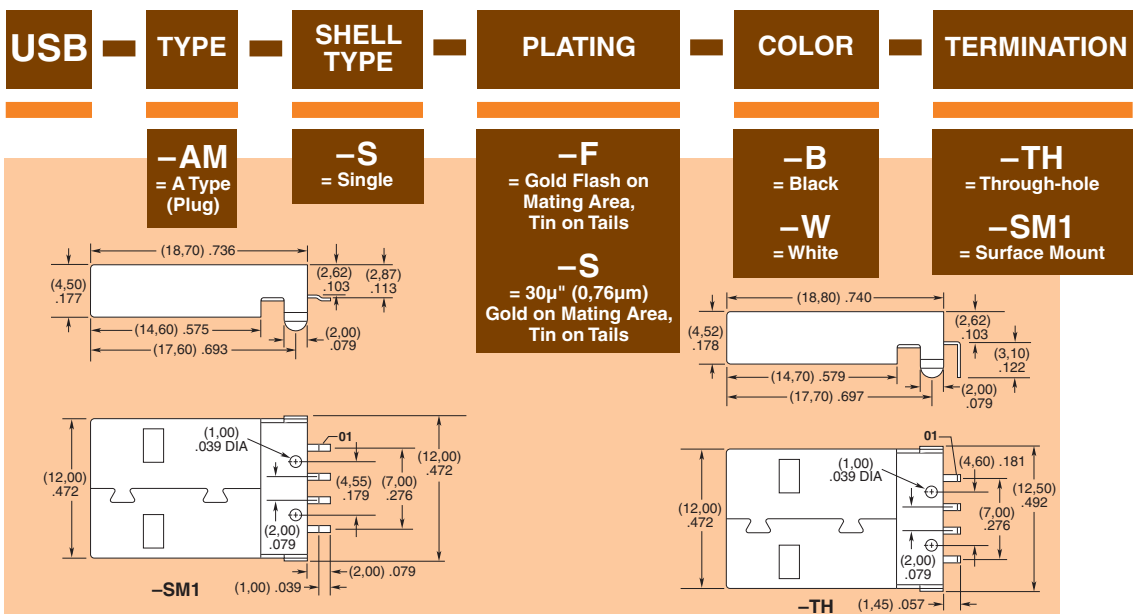
**Lead-Free Solderable:**

-SM1=Yes

-TH=Yes (Wave Solder only)

**TID Number:**

USB-AM-S-X-X-SM (60001154)



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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)