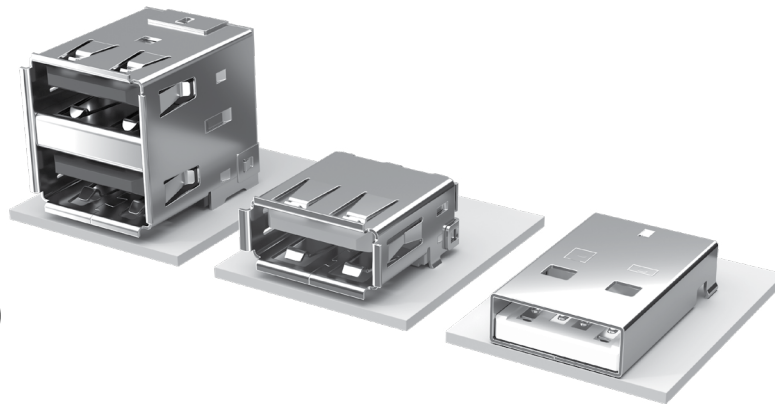


# STANDARD & RUGGED USB 2.0

## USB-A/USBR-A/USB-AM SERIES



### SPECIFICATIONS

#### 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/43 VDC

#### Cycles:

1500 (max tested)

#### Packaging:

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

#### 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)

| SERIES                                                                                                                | - A - | SHELL TYPE                              | PLATING                                                          | COLOR                             | TERMINATION                               |
|-----------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------|------------------------------------------------------------------|-----------------------------------|-------------------------------------------|
| <b>USB</b><br>= Standard Connector                                                                                    |       | <b>-S</b><br>= Single                   | <b>-F</b><br>= Gold Flash on Mating Area, Tin on Tails           | <b>-B</b><br>= Black (USB only)   | <b>-TH</b><br>= Through-hole              |
| <b>USBR</b><br>= Increased Retention Connector (Complies with Class 1, DIV II minimum withdrawal requirement of 15N.) |       | <b>-D</b><br>= Double (-TH option only) | <b>-S</b><br>= 30 μ" (0.76 μm) Gold on Mating Area, Tin on Tails | <b>-W</b><br>= White (USB only)   | <b>-SM2</b><br>= Surface Mount (USB only) |
|                                                                                                                       |       |                                         |                                                                  | <b>-O</b><br>= Orange (USBR only) | <b>-VU</b><br>= Upright, Through-hole     |
|                                                                                                                       |       |                                         |                                                                  |                                   |                                           |

View complete specifications at: [samtec.com?USB-A](http://samtec.com?USB-A) or [samtec.com?USBR-A](http://samtec.com?USBR-A)

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

View complete specifications at: [samtec.com?USB-AM](http://samtec.com?USB-AM)