

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), [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

### Shell Material:

Copper Alloy

### 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

-SM1=Yes

-TH, -VU & -VT=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)

USB-A-S-X-X-VT (61001153)

### TID Number (USB-AM):

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

## TYPE

## A

## SHELL TYPE

## PLATING

## COLOR

## TERMINATION

**USB**  
= Standard Connector

**USBR**  
= Increased Retention Connector (Complies with Class 1, DIV II minimum withdrawal requirement of 15N.)

**-S**  
= Single

**-D**  
= Double (-TH option only)

**-F**  
= Gold Flash on Mating Area, Tin on Tails

**-S**  
= 30μ" (0.76 μm) Gold on Mating Area, Tin on Tails

**-B**  
= Black (USB only)

**-W**  
= White (USB only)

**-O**  
= Orange (USBR only)

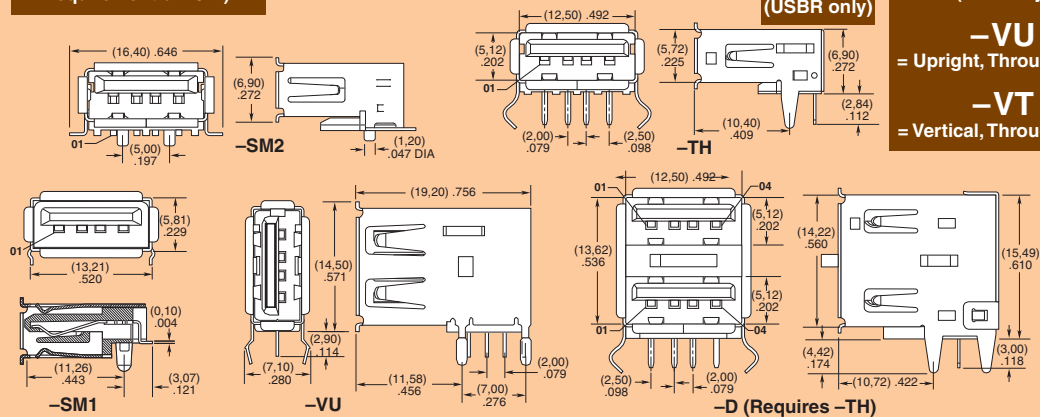
**-TH**  
= Through-hole

**-SM1**  
= Offset Surface Mount

**-SM2**  
= Surface Mount (USB only)

**-VU**  
= Upright, Through-Hole

**-VT**  
= Vertical, Through-Hole



## RECOGNITIONS

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



FILE NO. E111594

## USB TYPE SHELL TYPE PLATING COLOR TERMINATION

**-AM**  
= A Type (Plug)

**-S**  
= Single

**-F**  
= Gold Flash on Mating Area, Tin on Tails

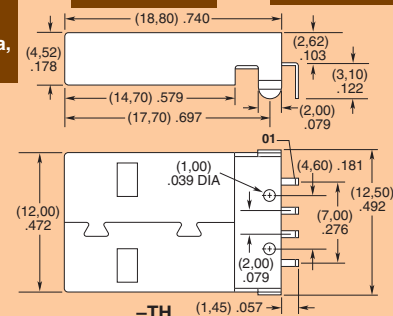
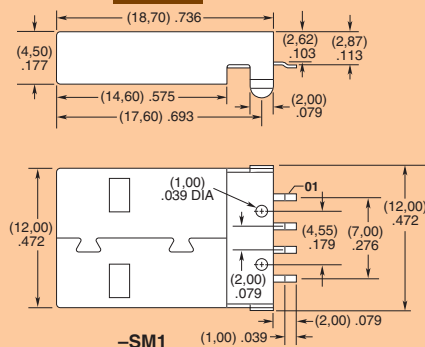
**-S**  
= 30μ" (0.76 μm) Gold on Mating Area, Tin on Tails

**-B**  
= Black

**-W**  
= White

**-TH**  
= Through-hole

**-SM1**  
= Surface Mount



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

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