



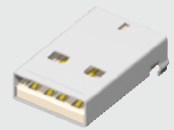
USB-A-D-S-B-TH

USBR-A-S-F-O-TH



USBR-A-S-F-B-VU

USB-AM-S-F-W-TH



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, www.samtec.com?USBR-A or 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

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



FILE NO. E111594

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

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

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.