



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, www.samtec.com?USBR-A or 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 (USB-A/USBR-A):

-SM1=Yes

-TH, -VU & -VT=Yes

(Wave Solder only)

Lead-Free Solderable (USB-AM):

-SM1=Yes

-TH=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)

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 = 30µ" (0,76 µm) Gold on Mating Area, Tin on Tails</p>	<p>-B = Black</p> <p>-W = White</p> <p>-O = Orange (USBR only)</p>	<p>-TH = Through-hole</p> <p>-SM1 = Offset Surface Mount</p> <p>-SM2 = Surface Mount (USB only)</p> <p>-VU = Upright, Through-Hole</p> <p>-VT = Vertical, Through-Hole</p>

USB	TYPE	SHELL TYPE	PLATING	COLOR	TERMINATION
	-AM = A Type (Plug)	-S = Single	<p>-F = Gold Flash on Mating Area, Tin on Tails</p> <p>-S = 30µ" (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.

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