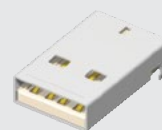


USB-A-D-S-B-TH

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:
Plastic, Rubber

Phosphor Bronze Plating:

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

Operating Temp Range:

-50 °C to +85 °C

Voltage
20 VAC

30 VAC
Cycles:

Cycles:
1500 (m)

Packaging:

Packaging:
Packaged and shipped in Bulk

Packaging Trays; Trays s

for automation available

RoHS Compliant:

Yes
Lead-Free Solderable:

Lead-Free Solder
_TH & _V/I I=Yes

–IH & –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-G-Y-Y-CM/G1001154

RECOGNITIONS

For complete scope
of recognitions see
www.samtec.com/quality



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 = 30 μ" (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 -SM2 = Surface Mount (USB only) -VU = Upright, Through-hole

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

Top view dimension drawing of the USB Type-A plug shell.

Bottom view dimension drawing of the USB Type-A plug shell.

Top view dimension drawing of the USB Type-A plug shell.

Bottom view dimension drawing of the USB Type-A plug shell.

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.