

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 INTERFACES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?USB-A or www.samtec.com?USBR-A

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

Current Rating:

1 A per contact

Voltage Rating:

30 VAC

Contact Resistance:

30 mΩ max

Cycles:

1500 (maximum number of cycles tested)

Packaging:

Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.

RoHS Compliant:

Yes

Lead-Free Solderable:

-SM1=Yes

-TH & -VU=Yes

(Wave Solder only)



TYPE

A

SHELL TYPE

PLATING

COLOR

TERMINATION

USB
= Standard Connector

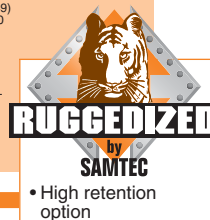
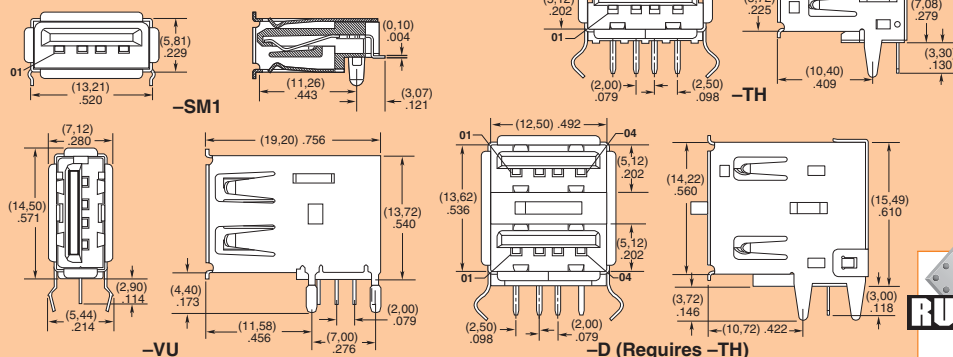
USBR
= Increased Retention Connector (Complies with Class 1, DIV II minimum withdrawal requirement of 15N.)

-S
= Single
-D
= Double (-TH option only)

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

-B
= Black
-W
= White
-O
= Orange (USBR only)

-TH
= Through-hole
-SM1
= Offset Surface Mount
-VU
= Upright, Through-Hole



SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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

Current Rating:

1 A per contact

Voltage Rating:

30 VAC

Contact Resistance:

30 mΩ max

Cycles:

1500 (maximum number of cycles tested)

Packaging:

Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.

RoHS Compliant:

Yes

Lead-Free Solderable:

-SM1=Yes

-TH=Yes (Wave Solder only)



USB

TYPE

SHELL TYPE

PLATING

COLOR

TERMINATION

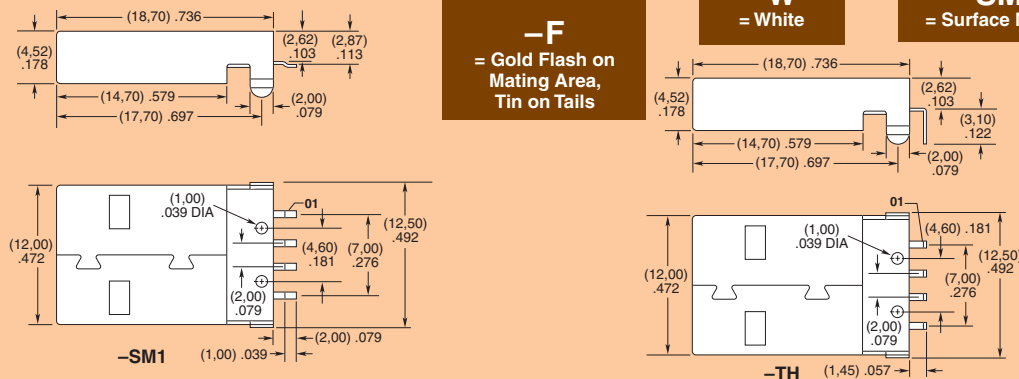
-AM
= A Type (Plug)

-S
= Single

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

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