



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 | | -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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