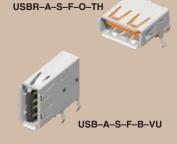




SHELL



COLOR

**PLATING** 



**TERMINATION** 

**USB-A, USBR-A, USB-AM SERIES** 

**TYPE** 

## STANDARD & RUGGED USB 2.0

## **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:

 $30 \text{ m}\Omega$  Cycles: 1500 (max tested)

Packaging: Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation available RoHS Compliant:

Lead-Free Solderable:

-SM1=Yes -TH, -VU & -VT=Yes

(Wave Solder only) TID Numbers:

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)

**TYPE** -S ·B = Single Gold Flash on Mating Area, = Black -TH **USB** Tin on Tails = Through-hole = Standard Connector -D\_W -S = Double = White -SM1 **USBR** = 30μ" (0,76 μm) Gold on Mating Area, -TH option = Offset Surface Mount = Increased -0only) **Retention Connector** Tin on Tails = Orange -SM2 (Complies with Class 1, (USBŘ = Surface Mount DÌV II minimum withdrawal only) requirement of 15N.) (USB only) –VU F--->\_\_\_\_ (16,40) .646 = Upright, Through-Hole Е = Vertical, Through-Hole (USB only) → (1,20) → 047 DIA -SM2 -TH - (19,20) .756 <del>----</del> 15,49) .610 -VU -D (Requires -TH)

## **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

Cycles: 1500 (max tested) Cycles: 1500 (max tested)

Packaging: Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available

RoHS Compliant: Yes Lead-Free Solderable: -SM1=Yes

-TH=Yes (Wave Solder only) TID Number: USB-AM-S-X-X-SM (61001154)

SHELL **USB** COLOR **PLATING TERMINATION** TYPE TYPE S AM–B \_TH = Single = Gold Flash on A Type = Black = Through-hole Mating Area, Tin on Tails –W -SM1 (18,70) .736 = White = Surface Mount -S (2,87) (4,50) .177 = 30µ" (0,76 µm) Gold on Mating Area Tin on Tails (18,80) .740 (2,62) .103 (3,10) .122 -(14,60) .575 (4,52) .178 (17.60) .693 -(14,70) .579 -(2,00) .079 - (17,70) .697 -(1,00) .039 DIA 01-(4,60) .181 (1,00) .039 DIA (4,55) (7,00) .179 .276 (12,50) (7,00) (12,00) =10  $\oplus$ (2,00) (1.00) .039 --SM1 (1,45) .057 -

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

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