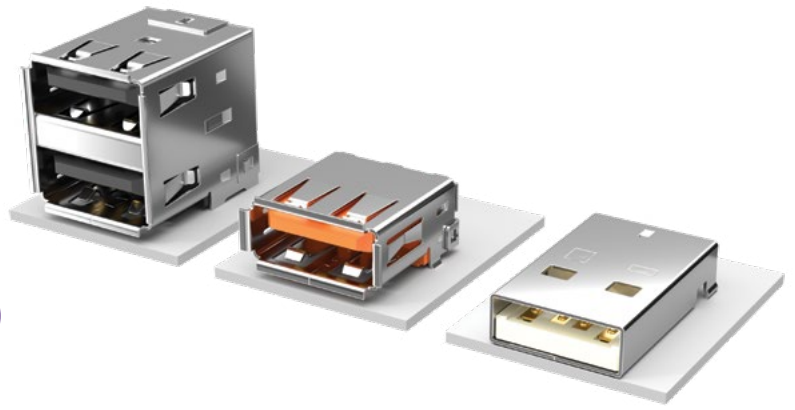


STANDARD & RUGGED USB 2.0

USB-A/USBR-A/USB-AM SERIES



SPECIFICATIONS

Insulator Material:

High Temperature Thermoplastic

Contact Material:

Phosphor Bronze

Plating:

Gold on Contacts, Nickel on Shell, Tin on Tails

Operating Temp Range:

-50 °C to +85 °C

Voltage Rating:

30 VAC

Cycles:

1500 (max tested)

Packaging:

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

Lead-Free Solderable:

-TH & -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-S-X-X-SM (61001154)

SERIES	A	SHELL TYPE	PLATING	COLOR	TERMINATION
USB = Standard Connector		-S = Single	-F = Gold Flash on Mating Area, Tin on Tails	-B = Black (USB only)	-TH = Through-hole
USBR = Increased Retention Connector (Complies with Class 1, DIV II minimum withdrawal requirement of 15N.)		-D = Double (-TH option only)	-S = 30 μ" (0.76 μm) Gold on Mating Area, Tin on Tails	-W = White (USB only)	-SM2 = Surface Mount (USB only)
				-O = Orange (USBR only)	-VU = Upright, Through-hole

<p>(16.40) .646 (6.90) .272</p> <p>-SM2</p>	<p>(12.50) .492 (5.12) .202 (5.72) .225 (6.90) .272</p> <p>-TH</p>
<p>(19.20) .756 (14.50) .571 (7.10) .280</p> <p>-VU</p>	<p>(12.50) .492 (13.62) .536 (5.12) .202 (5.12) .202 (14.40) .567 (15.49) .610</p> <p>-D (Requires -TH)</p>

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

<p>(18.70) .736 (4.50) .177 (14.60) .575</p> <p>-SM1</p>	<p>(18.80) .740 (4.52) .178 (14.70) .579</p> <p>-TH</p>
<p>(12.00) .472 (12.00) .472</p>	<p>(12.00) .472 (12.50) .492</p>