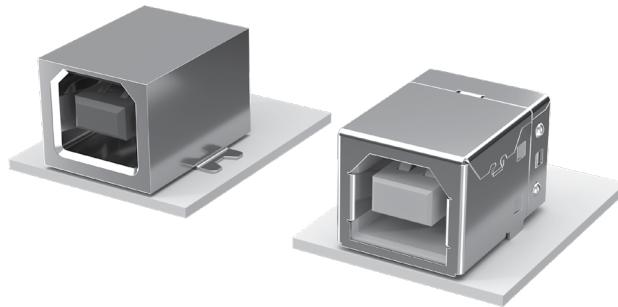




STANDARD & RUGGED USB 2.0

USB-B/USBR-B 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/ 43 VDC

Cycles:

1500
(maximum number
of cycles tested)

Packaging:

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

Lead-Free Solderable:

USB-SM=Yes
USB-TH=No, Lead Wave Only
USB-VT=No, Lead Wave Only
USBR=Yes

TID Number:

USB-B-S-X-X-TH (61001155)

SERIES

USB

= Standard Connector

USBR

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

B

S

PLATING

-F

= Gold
Flash on
Mating Area,
Tin on Tails

-S

= 30 μm
(0.76 μm)
Gold on
Mating Area,
Tin on Tails

COLOR

-B

= Black
(USB only)

-W

= White
(USB only)

-O

= Pantone
2028C
(Orange)
(Color
may vary
between
shades of
orange and
red due to
the molding
process)
(USBR only)

TERMINATION

-TH

= Through-hole

-SM

= Surface Mount
(USB only)

-VT

= Vertical Top Entry

OTHER OPTION

-TR

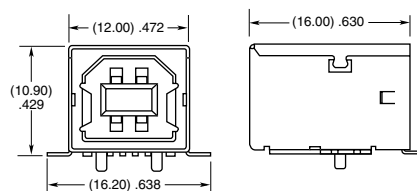
= Tape
and Reel
(-SM only)

-FR

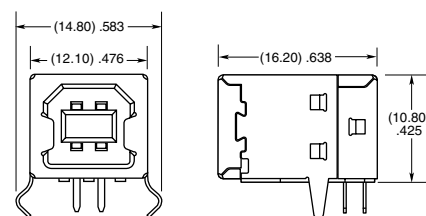
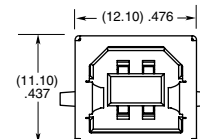
= Full Reel
Tape & Reel
(must order
maximum
quantity
per reel;
contact
Samtec for
quantity
breaks)
(-SM only)

MATING / UNMATING FORCE (100 CYCLES)

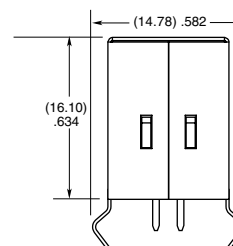
SERIES	MATING	UNMATING
USB	5.3 (23.59 N)	6.1 (27.15 N)
USBR	11.8 (52.51 N)	11.5 (51.18 N)



-SM



-TH



-VT

View complete specifications at: samtec.com?USB-B or samtec.com?USBR-B