samtec
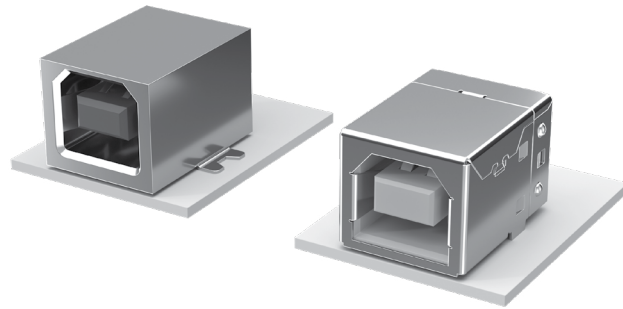
STANDARD & RUGGED USB 2.0

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
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	-	B	-	S	-	PLATING	-	COLOR	-	TERMINATION	-	OTHER OPTION

USB
= Standard Connector

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

–F
= Gold Flash on Mating Area, Tin on Tails

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

–B
= Black (USB only)

–W
= White (USB only)

–O
= Orange (USBR only)

–TH
= Through-hole

–SM
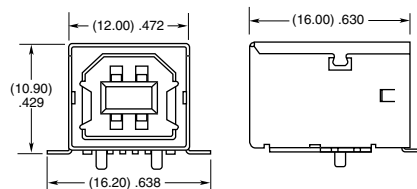= Surface Mount (USB only)

–VT
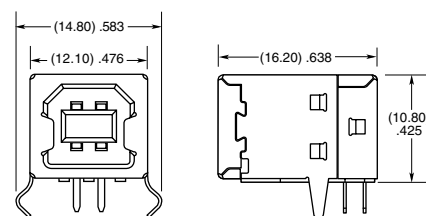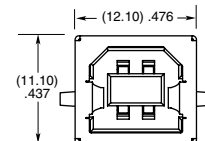= Vertical Top Entry

–TR
= Tape and Reel (–SM only)

–FR
= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (–SM åonly)
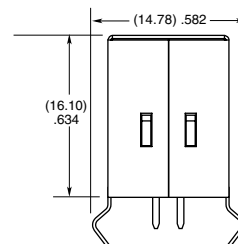
MATING / UNMATING FORCE (100 CYCLES)		
SERIES	MATING	UNMATING
USB	5.3 (23.59 N)	6.1 (27.15 N)
USBR	11.8 (52.51 N)	11.5 (51.18 N)

(12.00) .472
(16.00) .630
(10.90) .429
(16.20) .638

–SM

(12.10) .476
(11.10) .437

(14.80) .583
(12.10) .476
(16.20) .638
(10.80) .425

–TH

(14.78) .582
(16.10) .634

–VT

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec](#):

USB-B-S-F-B-TH USB-B-S-F-B-SM-R USB-B-S-S-B-VT USB-B-S-F-W-SM-TR USB-B-S-S-B-SM USB-B-S-S-W-TH USB-B-S-F-B-SM USB-B-S-S-W-SM USB-B-S-F-B-SM-TR USB-B-S-S-B-SM-R USB-B-S-F-W-SM-R USB-B-S-F-B-VT USB-B-S-S-W-VT USB-B-S-F-W-TH USB-B-S-S-B-TH USB-B-S-F-B-TH-R USB-B-S-F-B-VT-R USB-B-S-S-W-VT-R USB-B-S-S-B-SM-R-TR USB-B-S-S-B-SM-TR USB-B-S-F-W-VT-R USB-B-S-S-W-TH-TR USB-B-S-S-W-SM-TR USB-B-S-F-B-TH-TR USB-B-S-S-W-SM-R USB-B-S-F-W-TH-R USB-B-S-F-B-SM-R-TR USB-B-S-F-W-SM-R-TR USB-B-S-F-W-SM USB-B-S-S-B-TH-R-TR USB-B-S-F-W-TH-TR USB-B-S-F-B-TH-R-TR USB-B-S-S-W-TH-R USB-B-S-S-B-VT-R USB-B-S-S-W-SM-R-TR USB-B-S-F-W-VT USB-B-S-S-B-TH-TR USB-B-S-F-W-TH-R-TR USB-B-S-F-B-TH-FR USB-B-S-S-B-TH-FR USB-B-S-F-W-TH-FR USB-B-S-S-B-SM-FR USB-B-S-F-W-SM-FR