samtec
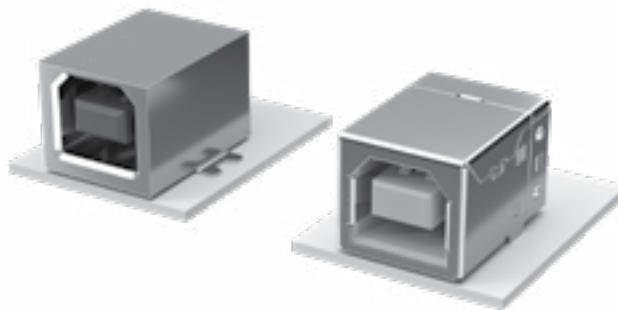
STANDARD & RUGGED USB 2.0

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= Yes
(Wave Solder only)
USBR=Yes (Wave Solder only)
TID Number:
USB-B-S-X-X-TH (61001155)

Part Number Builder

SERIES – **B** – **S** – **PLATING** – **COLOR** – **TERMINATION** – **OTHER OPTION**

SERIES
USB
= Standard Connector

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

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

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

COLOR
–B
= Black
(USB only)

–W
= White
(USB only)

–O
= Orange
(USBR only)

TERMINATION
–TH
= Through-hole

–SM
= Surface Mount
(USB only)
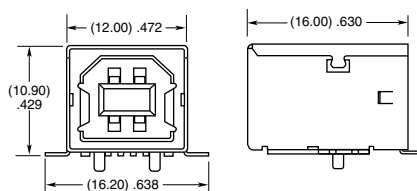
–VT
= Vertical Top Entry

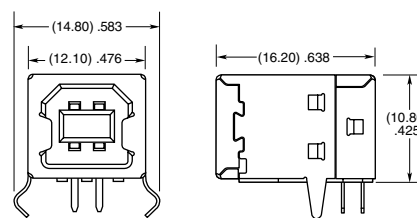**OTHER OPTION**
–TR
= Tape
and Reel
(–SM only)

–FR
= Full Reel
Tape & Reel
(must order
maximum
quantity
per reel;
contact
Samtec for
quantity
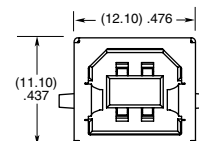breaks)
(–SM åonly)

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)

–SM

–TH

–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