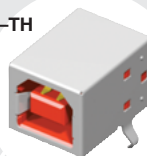
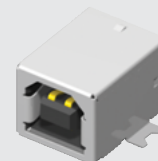


USBR-B-S-F-O-TH



USB-B-S-S-B-SM



USB-B, USBR-B SERIES

STANDARD & RUGGED USB 2.0

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?USB-B or www.samtec.com?USBR-B

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

Contact Resistance:

30 mΩ

Cycles:

1500 (maximum
number of cycles tested)

Packaging:

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

RoHS Compliant:

Yes

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)



• High retention
option

Minimum 15N
withdrawal force

Increased
retention option

Through-hole
option

RECOGNITIONS

For complete scope
of recognitions see
www.samtec.com/quality



FILE NO. E111594
(USB only)
FILE NO. E225096
(USBR only)

TYPE

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

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

-B
= Black
(USB only)

-W
= White
(USB only)

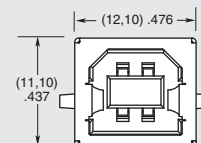
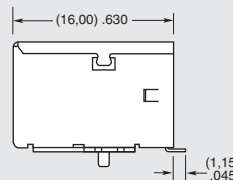
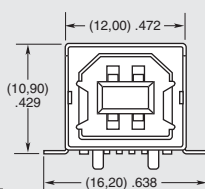
-O
= Orange
(USBR only)

-TH
= Through-hole

-SM
= Surface Mount
(USB only)

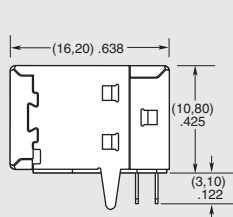
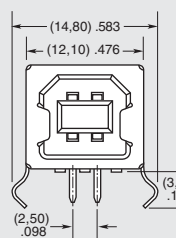
-VT
= Vertical Top Entry

-TR
= Tape
and Reel
Packaging
(-SM only)

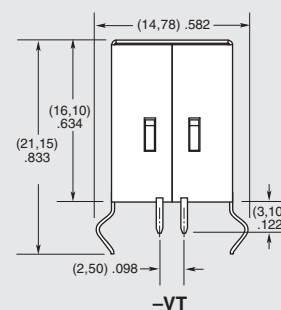


MATING / UNMATING FORCE (100 CYCLES)		
SERIES	MATING	UNMATING
USB	5.3 (23,59N)	6.1 (27,15N)
USBR	11.8 (52,51N)	11.5 (51,18N)

-SM



-TH



-VT