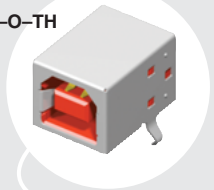
USBR–B–S–F–O–TH



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)

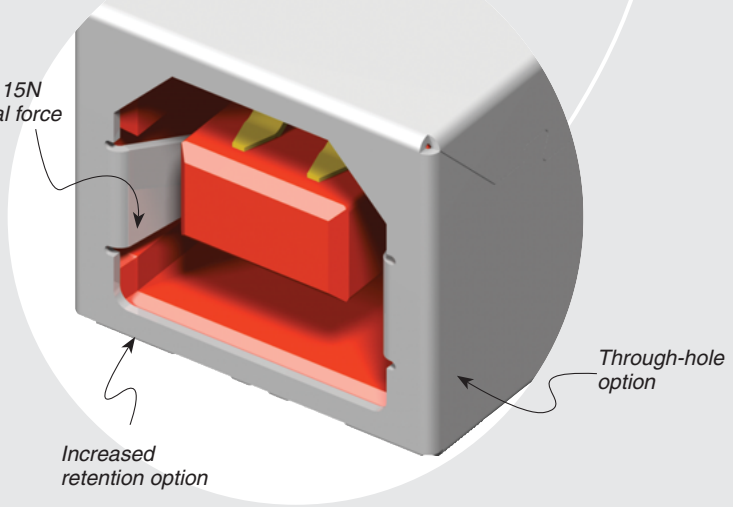
RECOGNITIONS

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

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

RUGGEDIZED by SAMTEC

- High retention option



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)

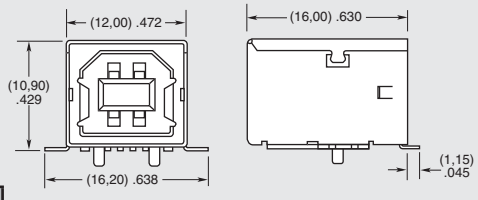
–TH
= Through-hole

–SM
= Surface Mount (USB only)

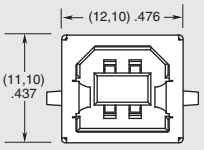
–VT
= Vertical Top Entry

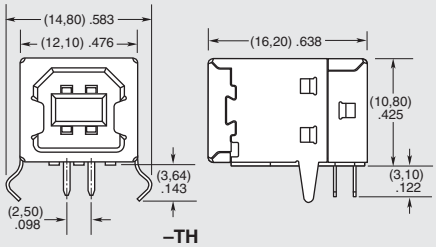
–TR
= Tape and Reel Packaging (–SM only)

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)

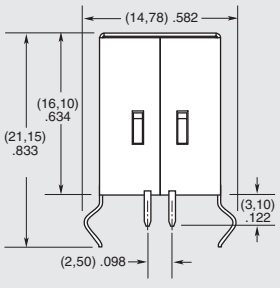


–SM





–TH



–VT