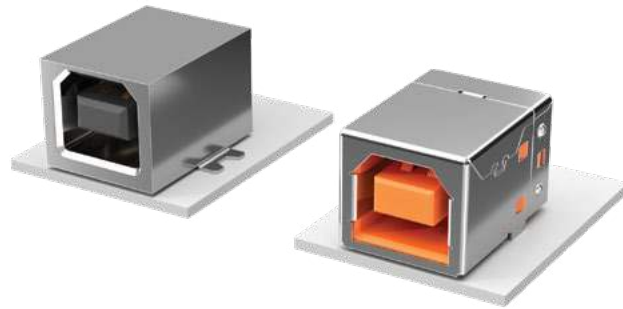


STANDARD & RUGGED USB 2.0

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)

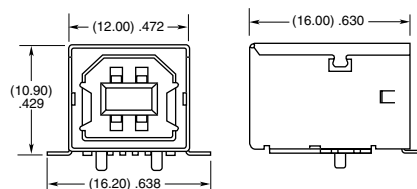
TID Number:

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

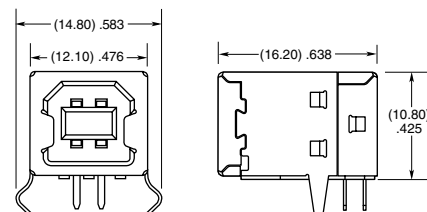
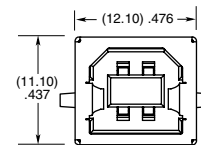
| SERIES | B | S | PLATING | COLOR | TERMINATION | OTHER OPTION |
|--|---|---|--|-----------------------------------|--|---|
| USB = Standard Connector | | | | | | |
| USBR = Increased Retention Connector (Complies with Class 1, DIV II minimum withdrawal requirement of 15N) | | | | | | |
| | | | -F = Gold Flash on Mating Area, Tin on Tails | -B = Black (USB only) | -TH = Through-hole | -TR = Tape and Reel (-SM only) |
| | | | -S = 30 μ" (0.76 μm) Gold on Mating Area, Tin on Tails | -W = White (USB only) | -SM = Surface Mount (USB only) | -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (-SM only) |
| | | | | -O = Orange (USBR only) | -VT = Vertical Top Entry | |

MATING / UNMATING FORCE (100 CYCLES)

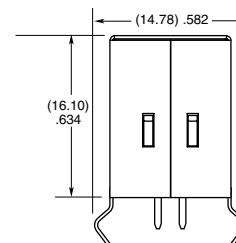
| SERIES | MATING | UNMATING |
|--------|----------------|----------------|
| USB | 5.3 (23.59 N) | 6.1 (27.15 N) |
| USBR | 11.8 (52.51 N) | 11.5 (51.18 N) |



-SM



-TH



-VT