

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)

RUGGEDIZED
BY SAMTEC

• 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			-F = Gold Flash on Mating Area, Tin on Tails	-B = Black (USB only)	-TH = Through-hole	-TR = Tape and Reel Packaging (-SM only)
USBR = Increased Retention Connector (Complies with Class 1, DIV II minimum withdrawal requirement of 15N)			-S = 30 μ" (0.76 μm) Gold on Mating Area, Tin on Tails	-W = White (USB only)	-SM = Surface Mount (USB 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)

