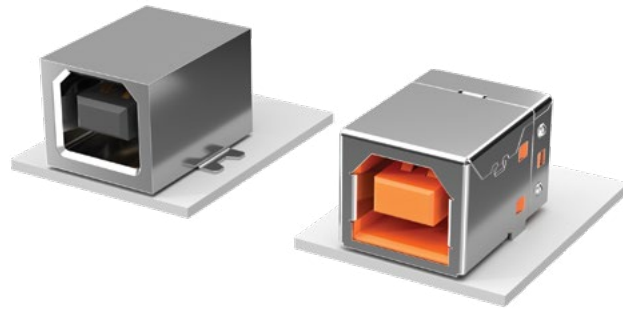


# STANDARD & RUGGED USB 2.0

## 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)

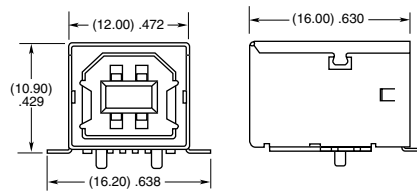
USBR=Yes (Wave Solder only)

**TID Number:**

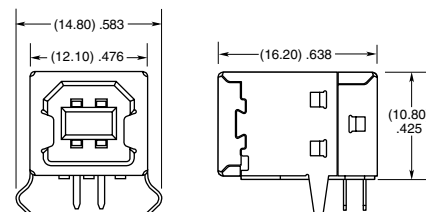
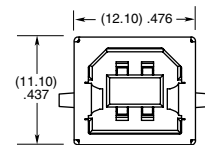
USB-B-S-X-TH (61001155)

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

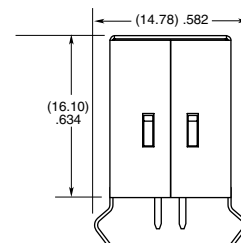
MATING / UNMATING FORCE (100 CYCLES)		
SERIES	MATING	UNMATING
USB	5.3 (23.59 N)	6.1 (27.15 N)
USBR	11.8 (52.51 N)	11.5 (51.18 N)



-SM



-TH



-VT