



STANDARD & RUGGED USB 2.0

FILE NO. E31150

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



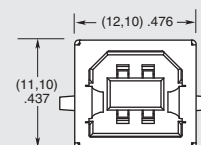
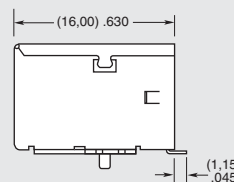
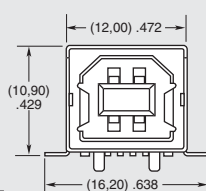
A 3D cutaway diagram of a microfluidic chip. The chip is shown in a perspective view, revealing its internal structure. A red channel is visible, with a yellow valve mechanism (a small rectangular block) positioned within it. The chip is labeled with 'e' and 'f' at the top left and bottom left respectively. Arrows point to the top and bottom surfaces of the chip. The text 'Increased' is partially visible at the bottom left.

*Through-hole
option*

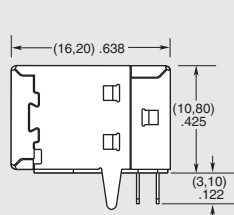
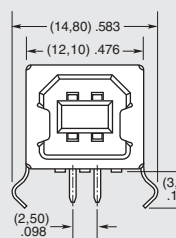
Increased retention option

TYPE	B	S	PLATING	COLOR	TERMINATION	OTHER OPTION
USB = Standard Connector	–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)	–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.)			–W = White (USB only)	–SM = Surface Mount (USB only)		
			–O = Orange (USBR only)	–VT = Vertical Top Entry		

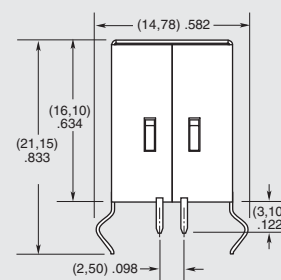
MATING / UNMATING FORCE (100 CYCLES)		
SERIES	MATING	UNMATING
USB	5.3 (23,59N)	6.1 (27,15N)
USBR	11.8 (52,51N)	11.5 (51,18N)



-5M



-TH


$$-V_T$$