



STANDARD & RUGGED USB 2.0

FILE NO. E31150

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



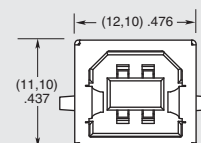
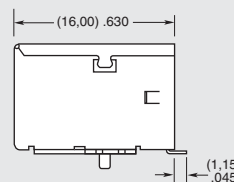
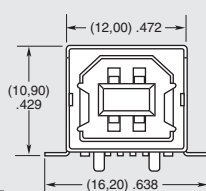
A 3D cutaway diagram of a microfluidic chip. The chip is shown in a perspective view, revealing its internal structure. A red channel is visible, with a yellow valve mechanism located in the center. The chip is labeled with 'e' and 'Increased'.

*Through-hole
option*

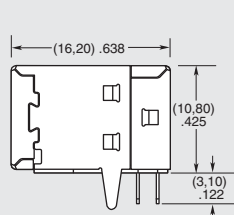
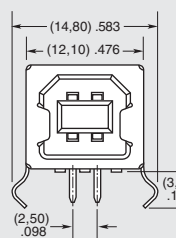
Increased retention option

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		

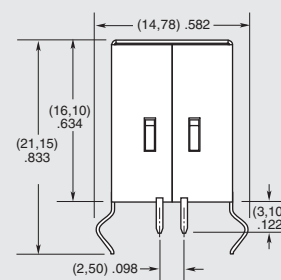
MATING / UNMATING FORCE (100 CYCLES)		
SERIES	MATING	UNMATING
USB	5.3 (23,59N)	6.1 (27,15N)
USBR	11.8 (52,51N)	11.5 (51,18N)



-5M



-TH


$$-V_T$$