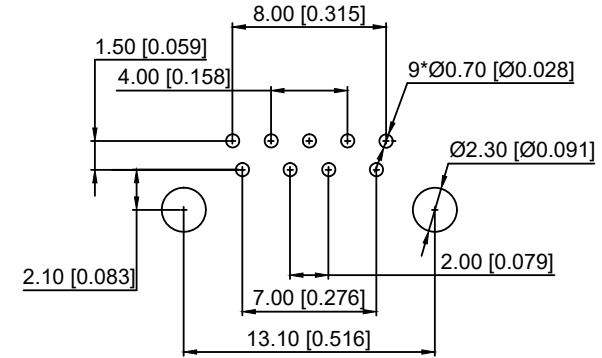
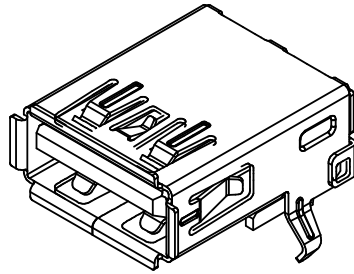
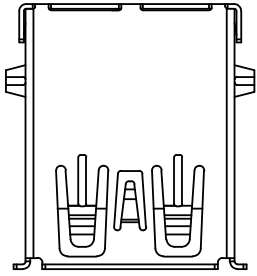
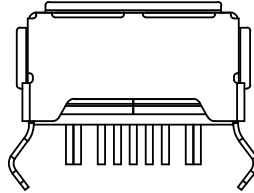
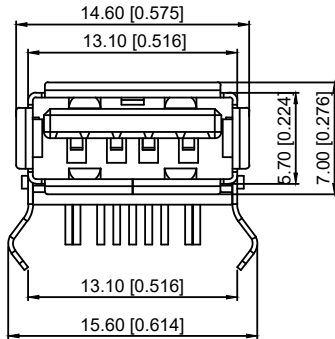




RECOMMENDER PCB LAYOUT TOP VIEW
(COMPONENT SIDE TOLERANCE±0.05)



Material

Housing Material: PBT, UL94V-0, blue

Contact Terminal: Copper Alloy

Metallic Shell: SPCC/BRASS

Plating

Underplating: Nickel

Contact Plating: 1μ" Gold

Solder Tail: 100μ" Min. Tin

Metallic Shell: Nickel

Electrical

Voltage Rating: 100 V AC

Current Rating: 0.25A (Signal pins 2,3,5,6,7,8,9) 1.8A (Power Pins 1,4)

Contact Resistance: 30mΩ Max.

Insulation resistance: 1000MΩ Min.

Dielectric withstanding voltage: 100V AC/Minute

Mechanical

Durability: 5000 cycles

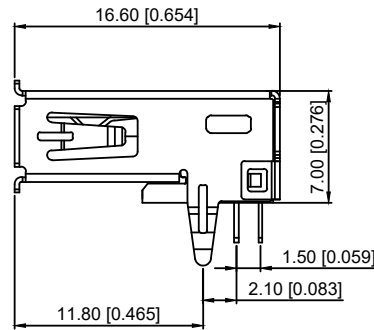
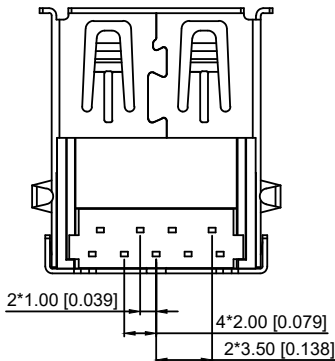
Mating Force: 35N (3.57Kgf) Max

Unmating Force: 10N (1.02Kgf) Min. initial, 8N min after test

Environmental and Processing

Operating Temperature: -40°C to +85°C

Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	THIRD
3	D+		
4	GND	GROUND FOR POWER RETURN	SECOND
5	StA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	StA_SSRX+		
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	StA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR	
9	StA_SSTX+		
Shell	Shield	CONNECTOR METAL SHELL	FRIST



U231-091N-1BLRC19-S 5

1:Au 1U"
5:Au 15U"
6:Au 30U"
T:TIN
N:NICKEL
1:SPCC
5:BRASS
S:Scrolls F:Flat
1:PBT
2:PA6T
3:PA9T
4:LCP
B:BLACK W:WHITE BL:BLUE

							DSND		SCALE: N/A	MODEL TYPE: USB 3.0				
					ANGLAR	±5°		DWN	VIEW: 	PART NO.: U231-091N-1BLRC19-S5				
Δx					L≤ 4	±0.2		CHKD	UNIT: mm/in	DWG NO.: U231-091N-1BLRC19-S5				
Δx					4<L≤ 16	±0.3								
Δx					16<L≤ 63	±0.4								
MARK	DESCRIPTION	DATE	REVISED	APPROVED	L> 63	±0.5		APPD	SIZE: A4					
REVISIONS						UNSPECIFIED TOLERANCES		XKB INDUSTRIAL PRECISION CO.,LIMITED				WEIGHT	SHEET	REVISION
www.helloxkb.com www.helloxkb.cn www.xk-dg.cn													1/1	A0

XKB