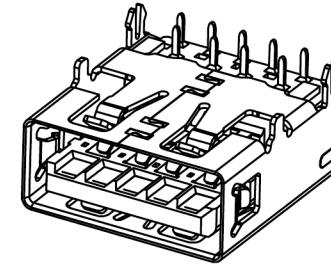


Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	THIRD
3	D+		
4	GND	GROUND FOR POWER RETURN	SECOND
5	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	StdA_SSRX+		
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL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



**Material**

Housing Material: PA9T, UL94V-0, black

Contact Terminal: Brass

Metallic Shell: 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) 3A (Power Pins 1,4)

Contact Resistance: 30mΩ Max.

Insulation resistance: 1000MΩ Min.

Dielectric withstanding voltage: 100V AC/Minute

**Mechanical**

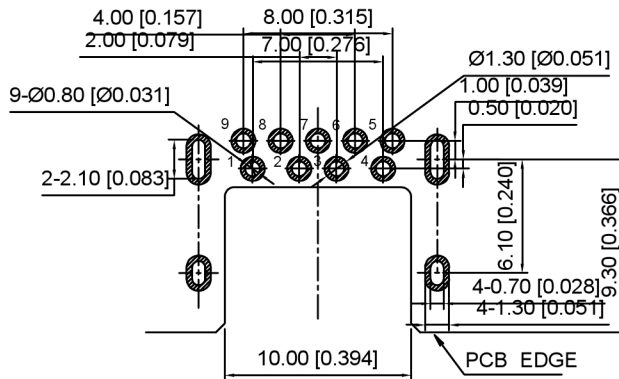
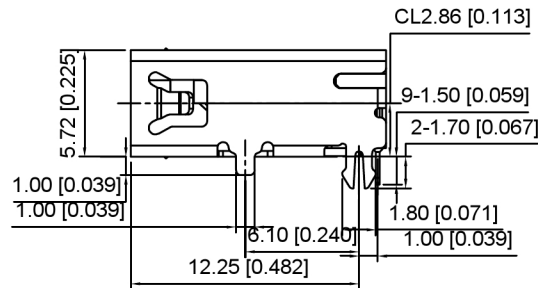
Durability: 1500 cycles

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



RECOMMENDED PCB LAYOUT

**U231-09XN-3XRC11**

B:BLACK G:GREEN BL:BLUE

1: Au 1U"  
5: Au 15U"  
6: Au 30U"

广东星坤科技股份有限公司  
日期  
文件工程章

MARK	DESCRIPTION	DATE	REVISED	APPROVED	UNSPECIFIED TOLERANCES
△X					ANGULAR ±5°
△X					L ≤ 4 ±0.2
△X					4 < L ≤ 16 ±0.3
					16 < L ≤ 63 ±0.4
					L > 63 ±0.5

DSND	SCALE: N/A	MODEL TYPE: USB 3.0
DWN	VIEW:	PART NO.:
CHKD	UNIT: mm/in	DWG NO.: U231-09XN-3XRC11
APPD	SIZE: A4	WEIGHT SHEET REVISION
XKB INDUSTRIAL PRECISION CO., LIMITED		1/1 A0