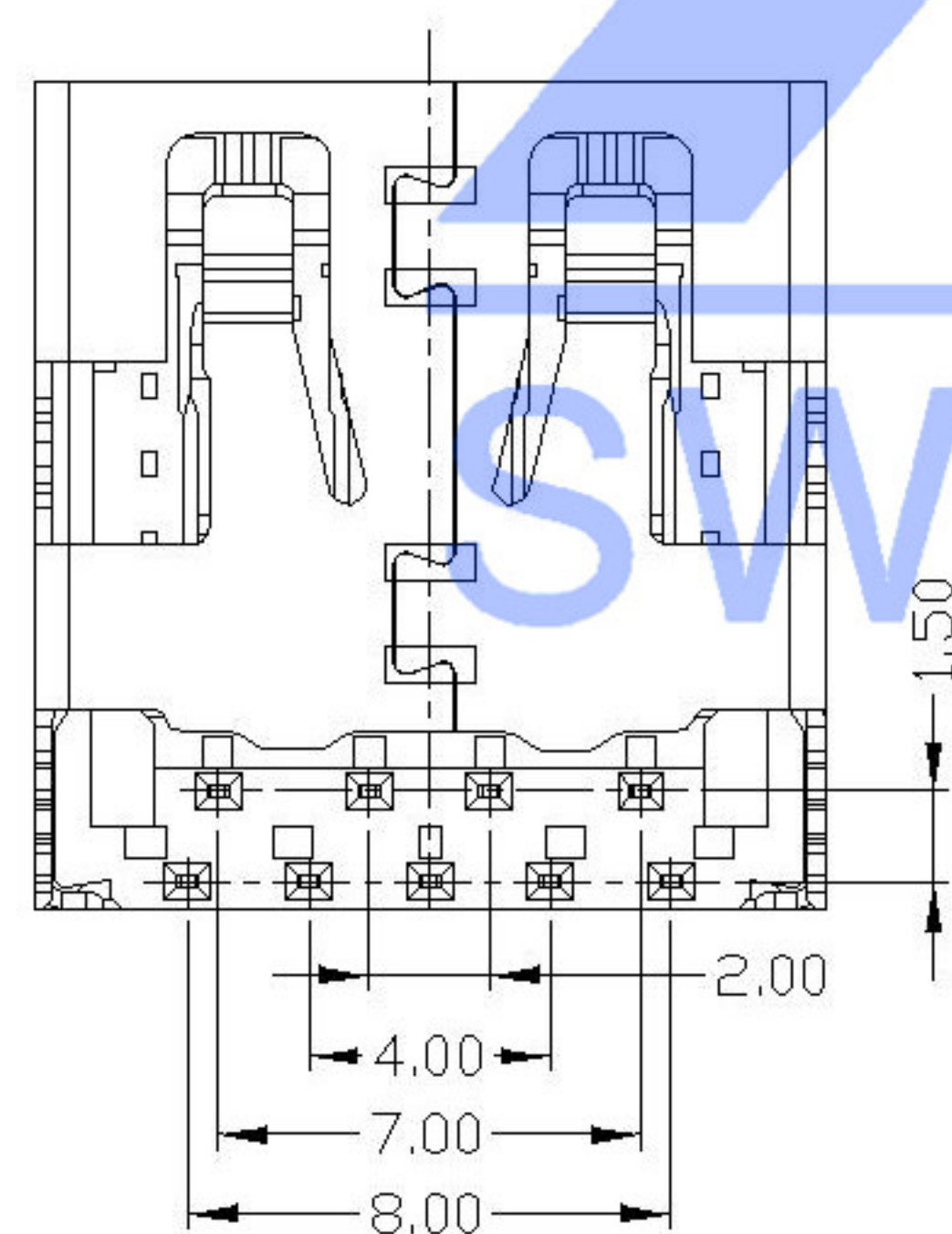
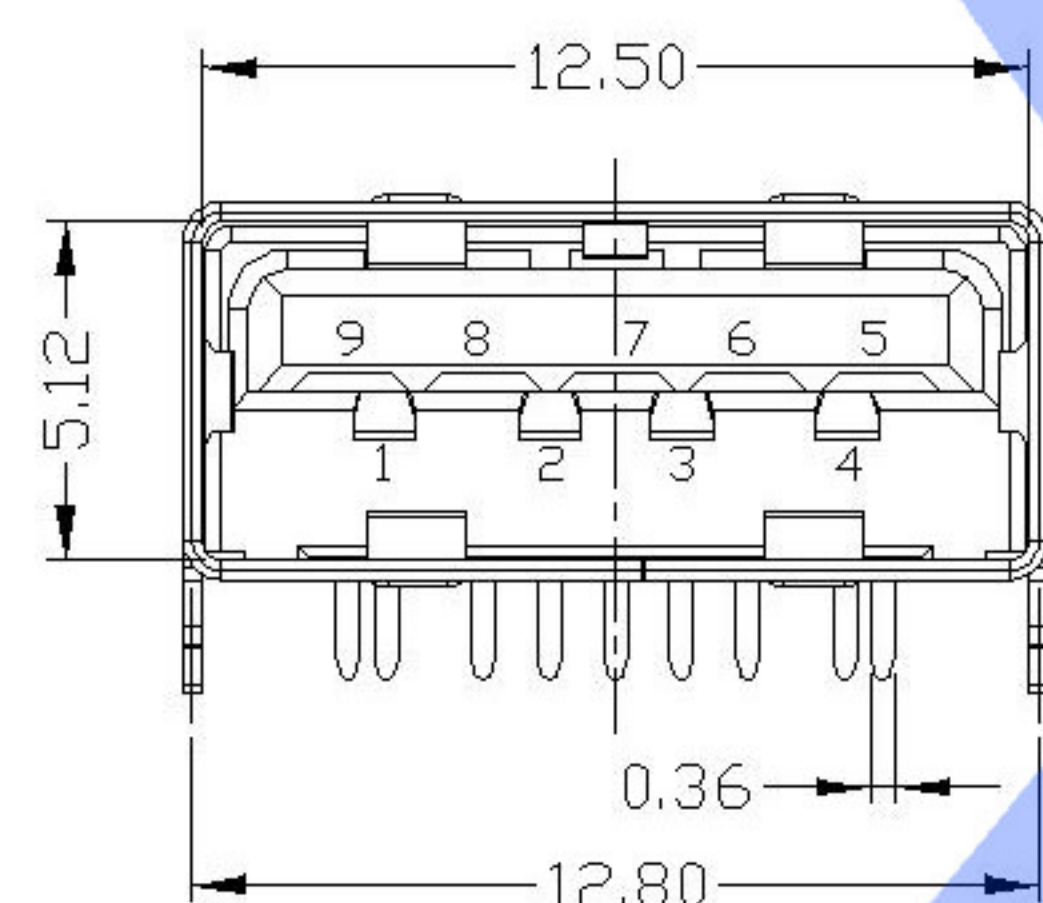
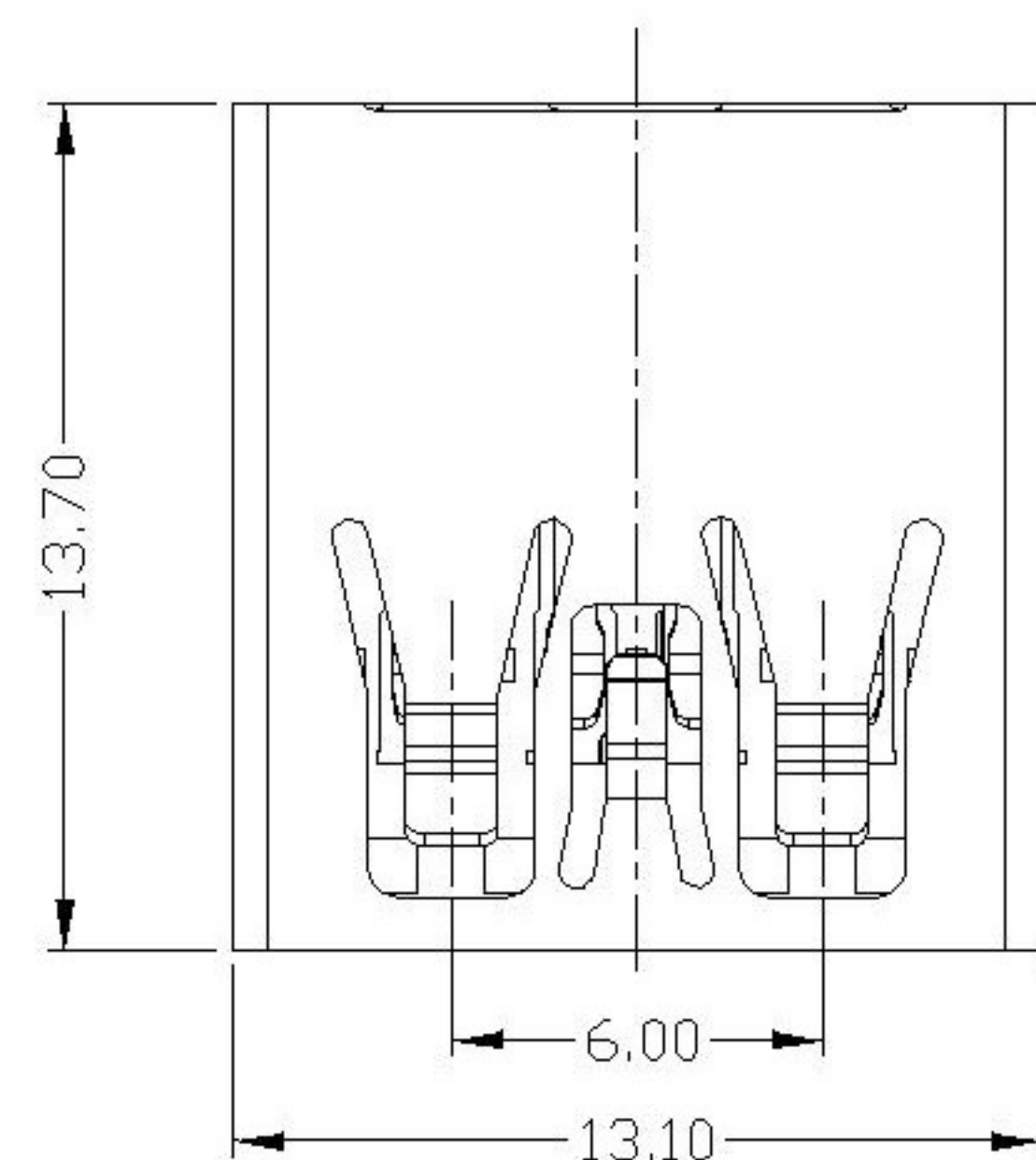
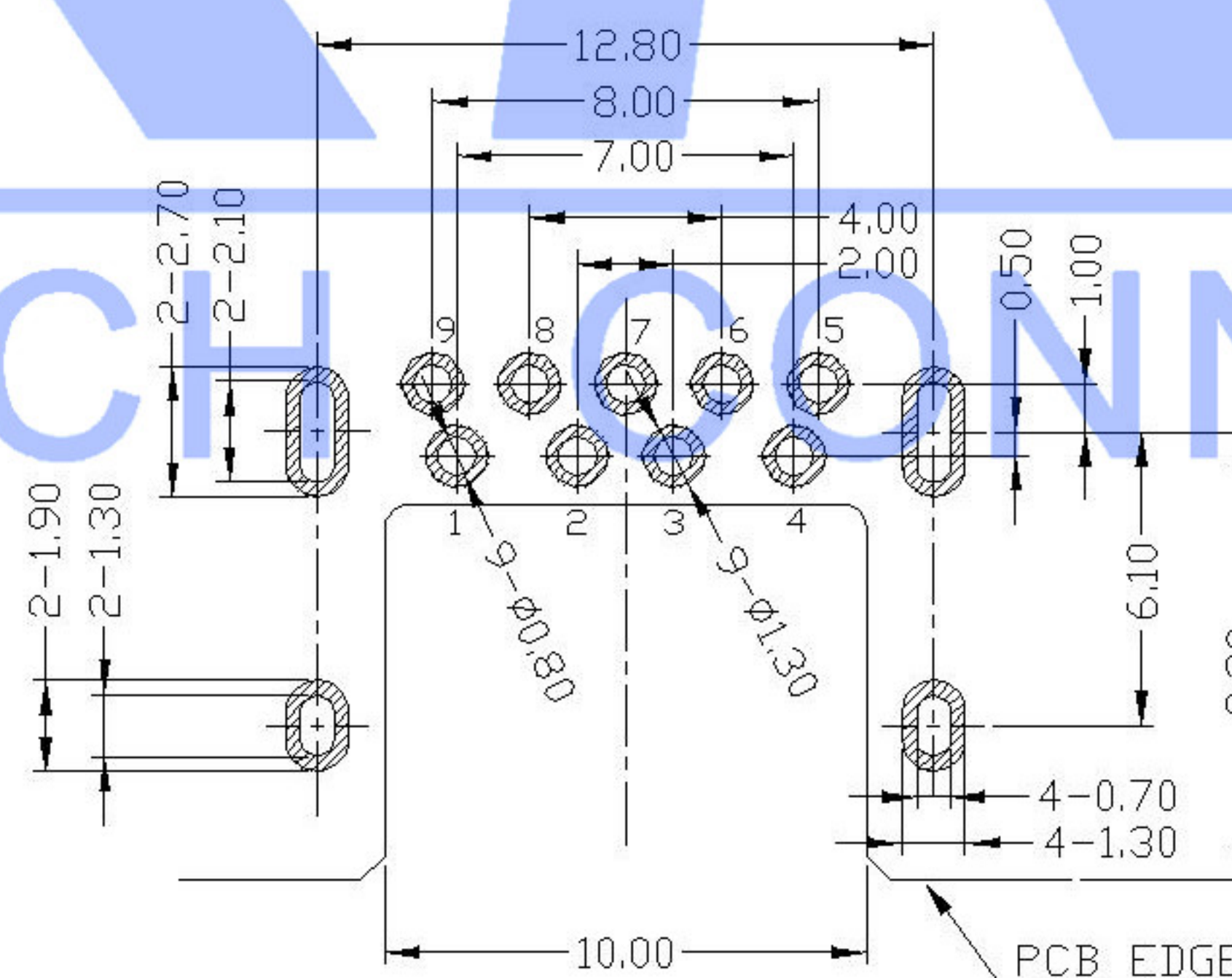
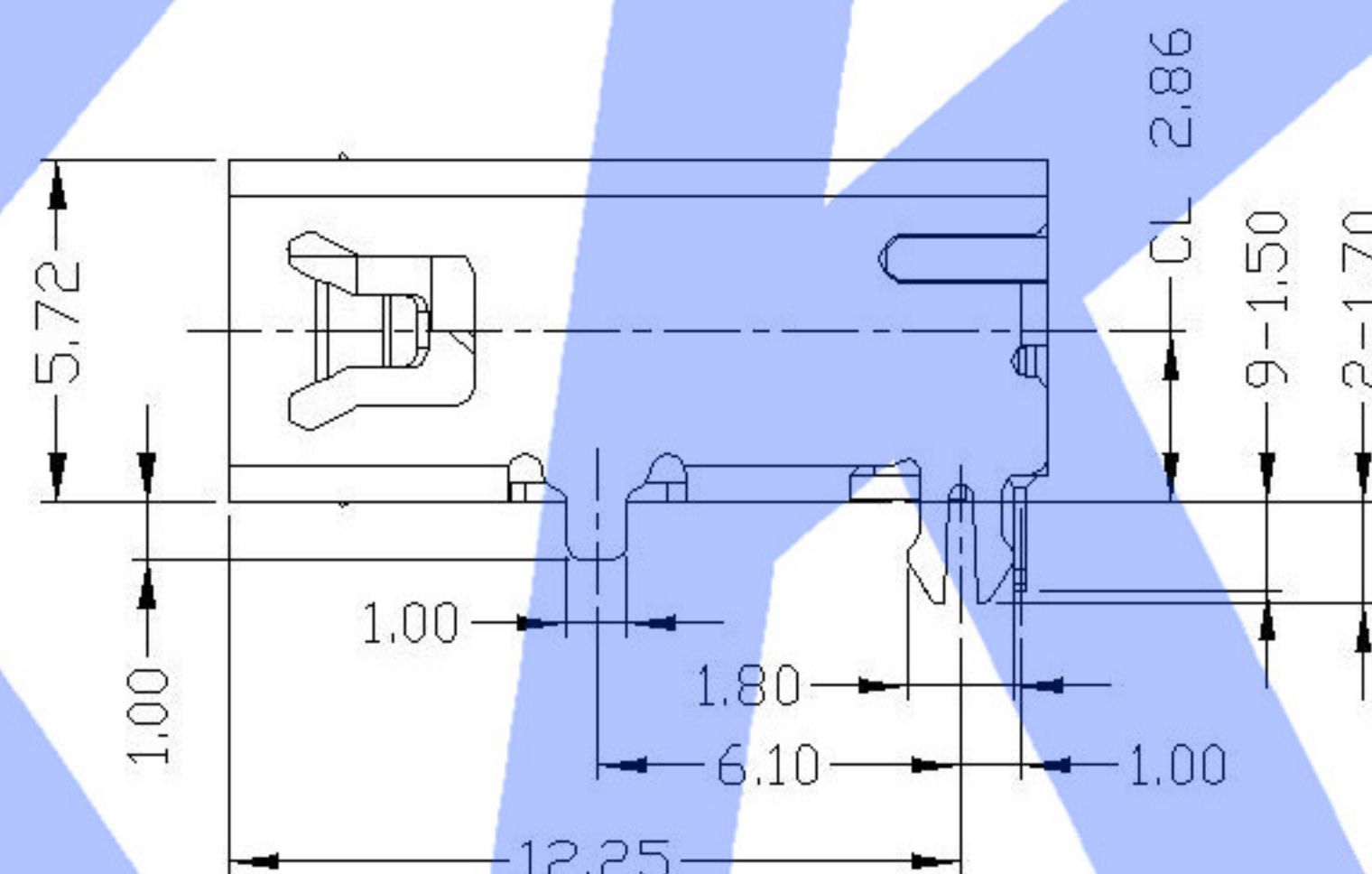
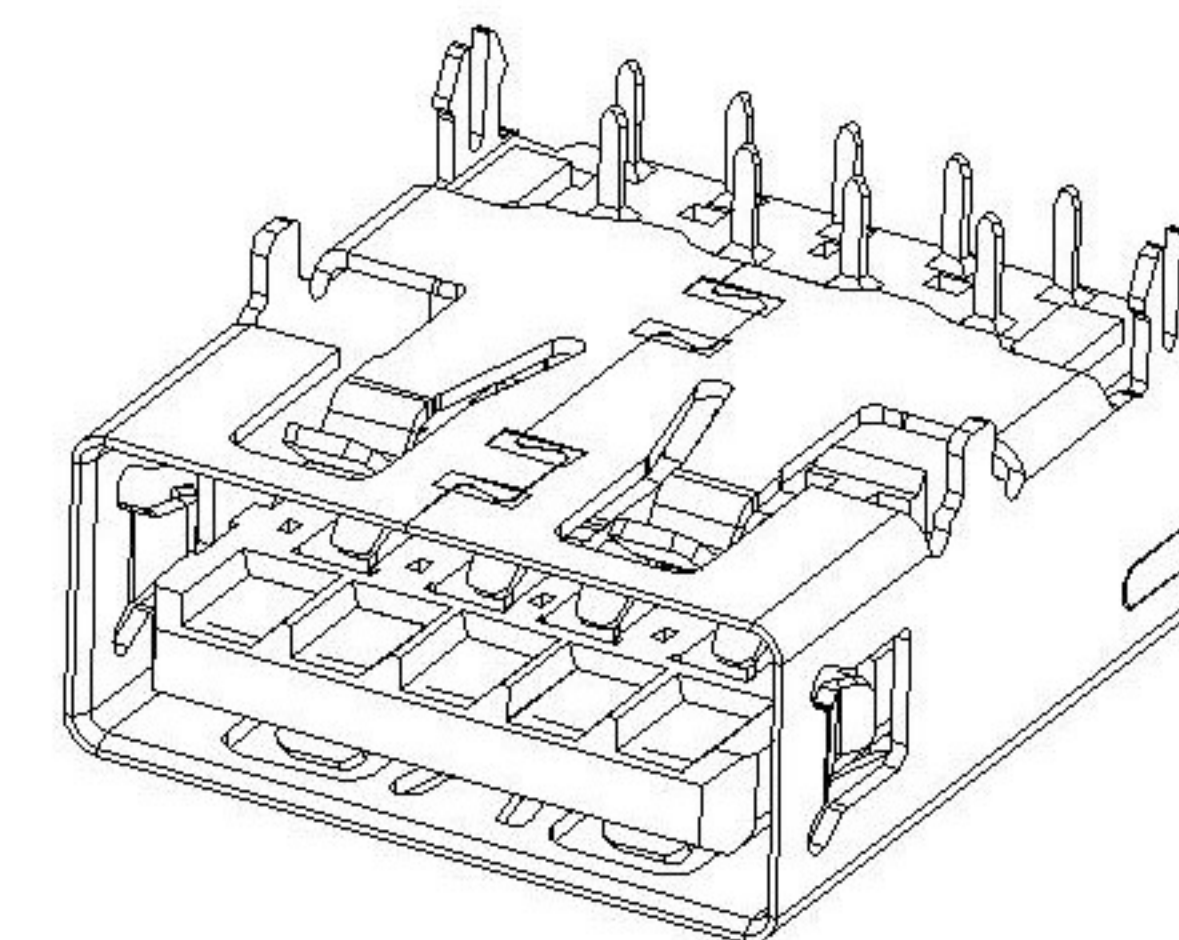




Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	THIRD
3	D+		
4	GND	GROUND FOR POWER RETURN	SECOND
5	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	StdA_SSRX+		
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL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



RECOMMENDED PCB LAYOUT



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

U231-09XN-3BRC10-5

1:AU 1U"
5:AU 15U"
6:AU 30U"
1:PBT
2:PA6T
3:PA9T
4:LCP
B:BLACK
5:BRASS

MARK	DESCRIPTION	DATE	REVISED	APPROVED	UNSPECIFIED TOLERANCES
ΔX					ANGULAR L ≤ 4 ±5° 4 < L ≤ 16 ±0.2 16 < L ≤ 63 ±0.3 L > 63 ±0.4 ±0.5
ΔX					
ΔX					
REVISIONS					
www.xk-dg.cn	www.helloxkb.com	www.helloxkb.cn			

DSND		DATE		SCALE: N/A	MODEL TYPE: USB 3.0
DWN		DATE		VIEW:	PART NO.:
CHKD		DATE		UNIT: mm	DWG NO.:
APPD		DATE		SIZE: A4	U231-09XN-3BRC10-5
XKB INDUSTRIAL PRECISION CO.,LIMITED					WEIGHT 1.0g
					SHEET 1/1
					REVISION A0