

REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A			2025.05.06	

SPECIFICATIONS :

Contact current Rating :
1.8 Amperes for pin1&pin4.
0.25 Amperes other contacts

Dielectric Withstanding Voltage :AC 100V(RMS)

Insulation resistance :100Megohms Minimum.

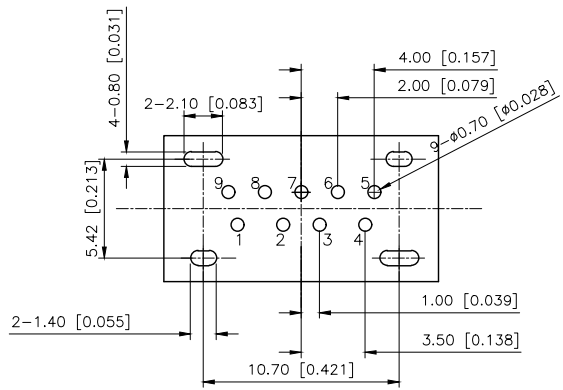
Contact Resistance :
30mΩ Max for pin1&pin4
50mΩMax for other contacts

Mechanical Characteristics :

Mating Force :35 Newtoms.Maximum

Unmating Force :10 Newtoms.Minimum.

Operating Temperature :-40 °C+85 °C



PCB LAYOUT(TOP VIEW)

U231-091N-4BLCC14-S5

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

B:BLACK
W:WHITE
BL:BLUE

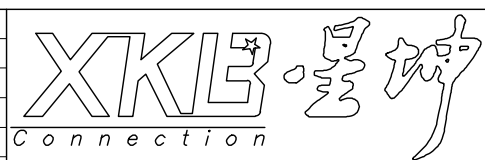
S:Scrolls

Pin Number	Signal Name	Pin Number	Signal Name
1	VBUS	5	SSRX-
2	D-	6	SSRX+
3	D+	7	GND
4	GND	8	SSTX-
Shell	Shield	9	SSRT+

ITEM	PART NAME	Material	Q'TY	REMARK
1	4P Semi-manufactured Goods	Housing LCP	1	Blue UL94V-0
2		ContactCOPPER ALLOY	4	T=0.25 Plating Gild/Tin
3	5P Semi-manufactured Goods	Housing LCP	1	Blue UL94V-0
4		ContactCOPPER ALLOY	5	T=0.25 Plating Gild/Tin
5	Shell	Stainless Steel	1	T=0.3

DESIGN		VIEW:	MODEL TYPE: USB 3.0
CHECKED		UNIT: mm/in	PART NO.: U231-091N-4BLCC14-S5
APPROVED		SIZE: A4	DWG NO.:

AuGLAR	±5°
X.	±0.40
X.x	±0.30
X.xx	±0.20
X.xxx	±0.15
UNSPECIFIED TOLERANCES	



XKB INDUSTRIAL PRECISION CO.,LIMITED

SCALE	PAGE	REVISION
N/A	1/1	A1