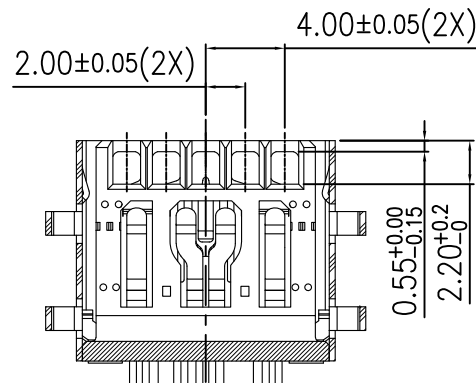
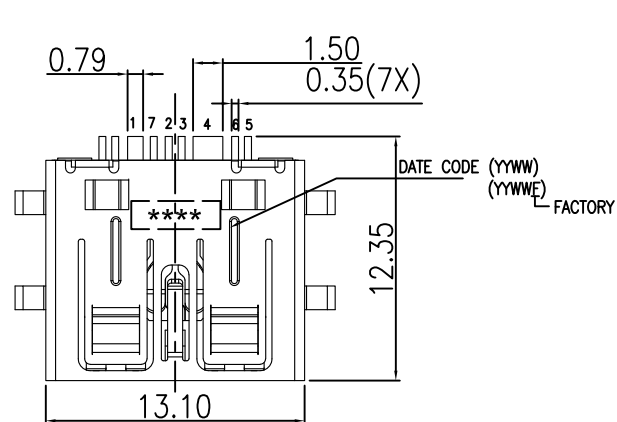
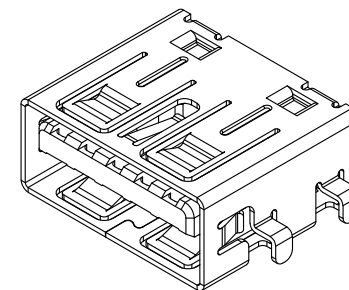




Section A-A

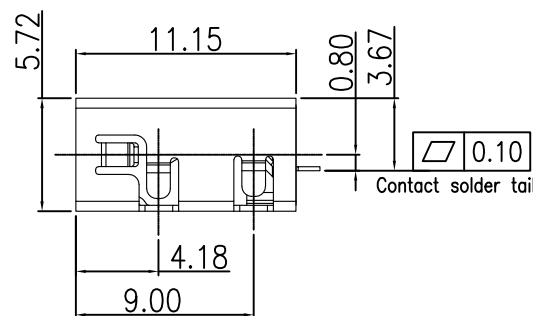
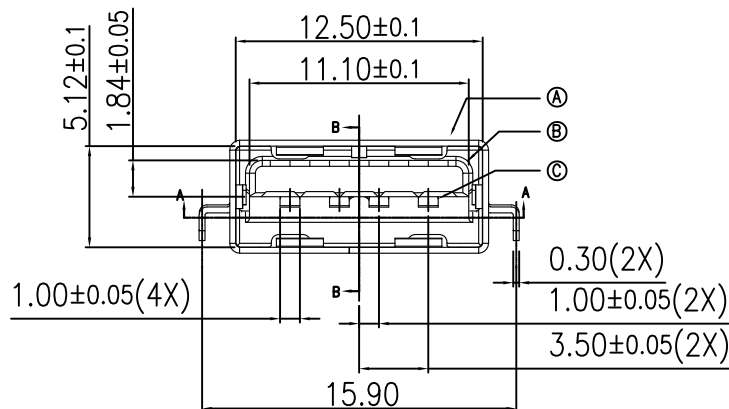


PART NUMBER : JCN-31A1-UCAB-XXR1

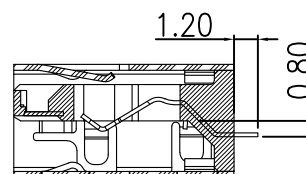
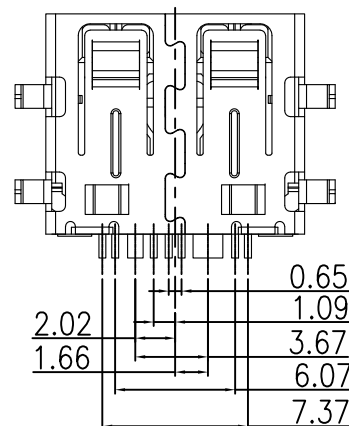
Plastic Color:

A=Blue
B=Black

Gold Plating:
G=Gold Flash
A=3u"
B=6u"
C=10u"
D=15u"
E=30u"



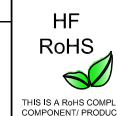
Contact solder tail



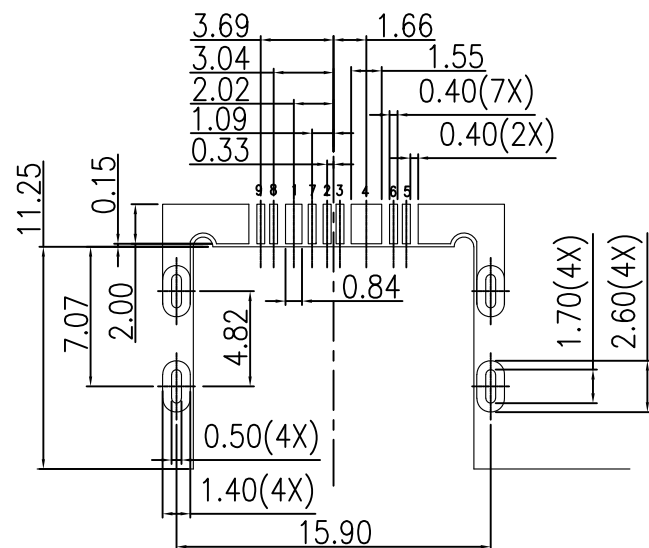
Section B-B

- ELECTRICAL CHARACTERISTICS :
 - CURRENT RATING : 0.9A MAX.
 - VOLTAGE RATING : DC 5V MAX.
 - DIELECTRIC WITH STANDING : 100 V AC
 - INSULATION RESISTANCE : 100MΩ
 - CONTACT RESISTANCE :
 - INITIAL 30 MILLIOHMS MAX FOR VBUS AND GND CONTACT,
 - INITIAL 50 MILLIOHMS MAX FOR ALL OTHER CONTACT,
 - AFTER DURABILITY 10 MILLIOHMS MAX CHANGE,
- MECHANICAL CHARACTERISTICS :
 - INSERTION FORCE : 3.57 Kgf MAX
 - WITHDRAWAL FORCE : 1.02 Kgf MIN INITIAL , 0.82 Kgf MIN AFTER DURABILITY.
 - DURABILITY : 5000 CYCLES
- ENVIRONMENTAL :
 - OPERATING TEMPERATURE : -20°C TO +85°C
- RECOMMENDED PROCESS: IR REFLOW PEAK TEMPERATURE 260°C
- THE CONNECTOR IS ROHS COMPLIANT AND HALOGEN FREE.
- WHEN PLUG IS INSERTED INTO CONNECTOR IN WORSE CONDITION, SPRING TIP TOUCH PCB. SO INHIBIT CIRCUIT IN SPRING TIP AREA.

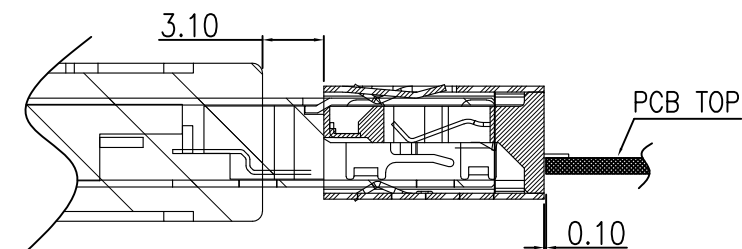
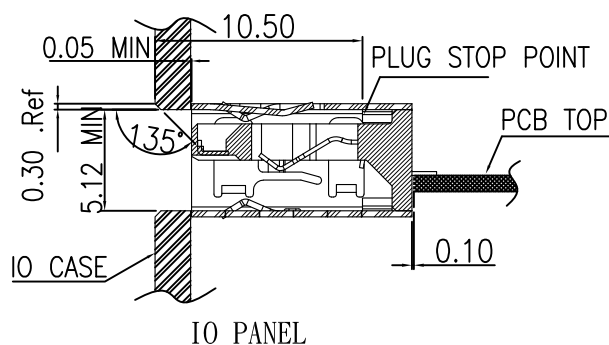
CHECKED Steve	UNLESS OTHERWISE SPECIFIED TOLERANCE	NAME USB3.1 Gen2 A,1 Row SMT,Offset 0.8mm,4 Dip Shell,Receptacle	PART NO. & DOC NO.	
APPROVED Marvin		SCALE NA	UNIT mm	MATERIAL/Plated/Notes ① SHIELD : STAINLESS STEEL/NICKEL PLATING ② HOUSING : HIGH TEMPERATURE PLASTIC ③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL LEAD FREE TIN ALLOY AT TERMINATION.
REV. A		Dimension Range	Tolerance	
		SIZE A4	SHEET 1/2	
		X.X	±0.35	
		X.XX	±0.25	
		X.XXX	±0.15	
		ANGLE	±5°	



△ X0	NEW DESIGN	DRAWN	MMDDYY'
MARK	REVISION RECORD	DRAWN	041720



RECOMMENDED P.C.B LAYOUT TOP VIEW
TOLERANCES $\pm 0.05\text{MM}$



PLUG INTO RECEPTACLE REPRESENT

PIN ASSIGNMENT		
Pin Number	Signal Name	Description
1	VBUS	POWER
2	D-	USB2.0 differential pair
3	D+	
4	GND	Ground for Power Return
5	SS RX-	Superspeed receiver differential pair
6	SS RX+	
7	GND DRAIN	Ground for Power Return
8	SS TX-	Superspeed transmitter differential pair
9	SS TX+	

CHECKED Steve		NAME USB3.1 Gen2 A,1 Row SMT,Offset 0.8mm,4 Dip Shell,Receptacle		PART NO & DOC NO..	
APPROVED Marvin		SCALE NA		Material/Plated/Notes	
REV. A		UNLESS OTHERWISE SPECIFIED TOLERANCE		① SHIELD : STAINLESS STEEL/NICKEL PLATING	
		Dimension Range Tolerance		② HOUSING : HIGH TEMPERATURE PLASTIC	
		X.X ±0.35		③ CONTACTS : COPPER ALLOY/NICKEL	
		X.XX ±0.25		UNDERPLATED OVERALL LEAD FREE TIN	
		X.XXX ±0.15		ALLOY AT TERMINATION.	
		ANGLE ±5°			
SIZE A4		SHEET 2/2		JCN-31A1-UCAB-XXR1	

HF
RoHS
THIS IS A ROHS COMPLIANT
COMPONENT PRODUCT.

V-GENERAL
TECHNOLOGY
維將科技股份有限公司

△ X0	NEW DESIGN	DRAWN	MMDDYY
MARK	REVISION RECORD	DRAWN	041720