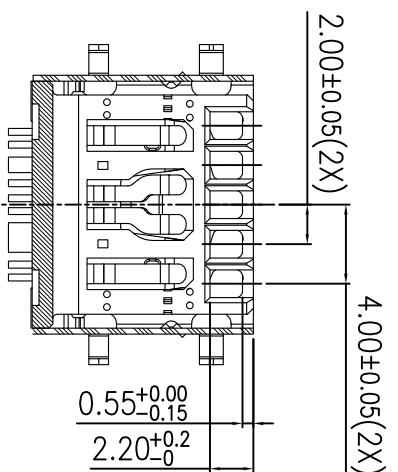
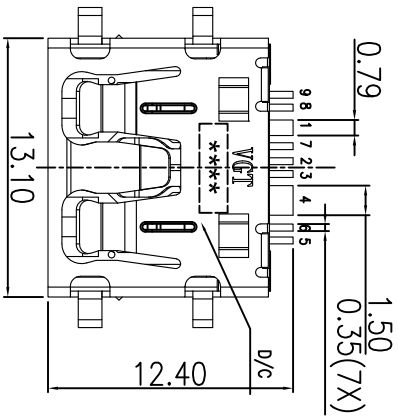
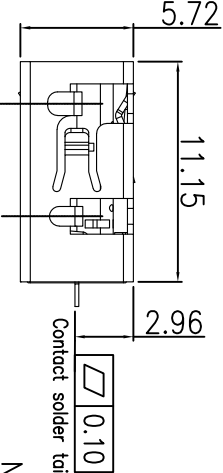
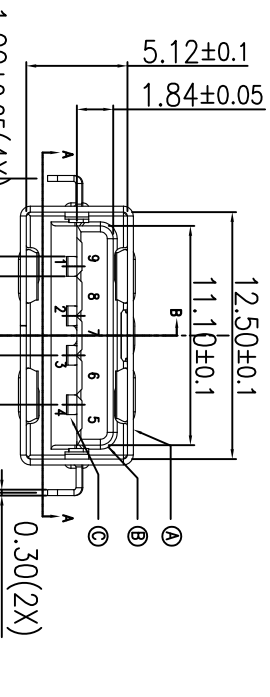


PART NUMBER : JCN-31AG-UAAB-XXX1

Plastic Color: _____
 A=Blue
 B=Black

Gold Plating:
 G=Gold Flash
 A=30"
 B=60"
 C=100"
 D=150"
 E=300"

Package:
 R=Traying Reel
 T=Tray



NOTES:

1. ELECTRICAL CHARACTERISTICS:

1-1 CONTACT CURRENT RATING:
 1.8A FOR VBUS PIN AND ITS CORRESPONDING GND PIN,
 0.25A MIN FOR ALL OTHER CONTACTS.

1-2 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.

1-3 DIELECTRIC WITH STANDING: 100 MEGOHMS MIN

2. MECHANICAL CHARACTERISTICS:

2-1 CONNECTOR MATING FORCE: 35N MAX

2-2 CONNECTOR UNMATING FORCE: 10N MIN INITIAL, 8N MIN AFTER DURABILITY.

2-3 DURABILITY: 5000 CYCLES.

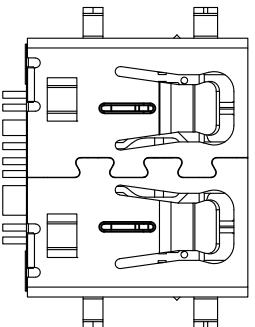
2-4 OPERATING TEMPERATURE RANGE: -20°C TO +85°C

3. DIMENSIONS ARE IN MILLIMETERS, BRACKETED DIMENSIONS ARE INCHES EQUIVALENTS.

4. RECOMMENDED PROCESS: IR REFLOW PEAK TEMPERATURE 260°C

5. THE CONNECTOR IS ROHS COMPLIANT AND HALOGEN FREE.

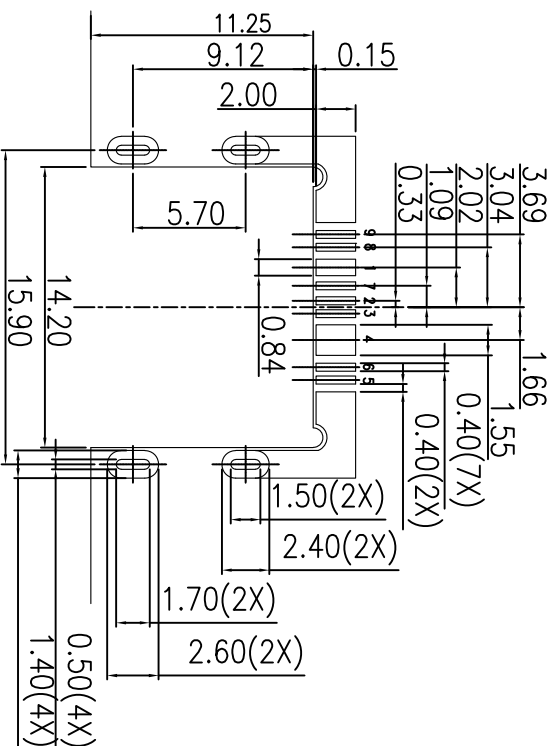
6. WHEN PLUG IS INSERTED INTO CONNECTOR IN WORSE CONDITION,
 SPRING TIP TOUCH PCB, SO INHIBIT CIRCUIT IN SPRING TIP AREA.



Section B-B

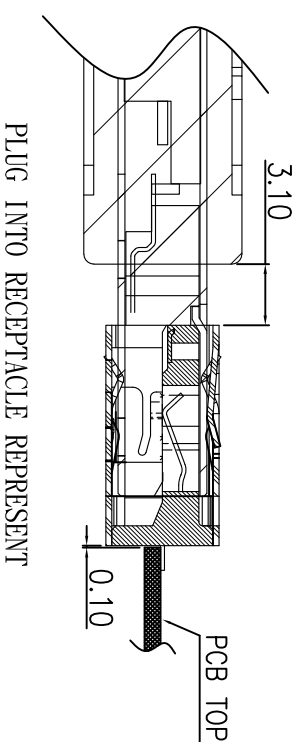
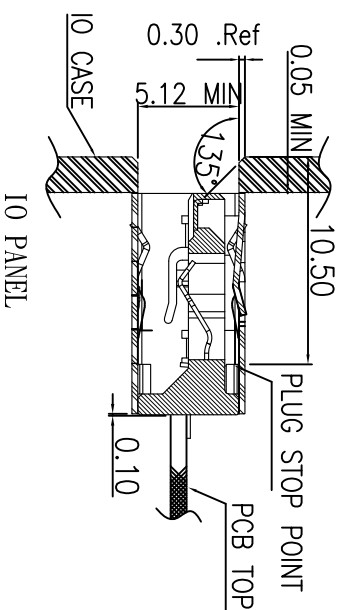
CHECKED		NAME	
Steve		USB3.1 Gen1 A1 Row SMT Offset 0.1mm Lip Shell Receipt	
APPROVED		SCALE	
Marvin		UNIT mm	
Dimension Range		Tolerance	
X.X		±0.35	
X.XX		±0.25	
X.XXX		±0.15	
ANGLE		±5°	
REV.		SIZE	
A		A4	
SHEET		1/2	
CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVER LEAD FREE TIN ALLOY AT TERMINATION.		PART NO.	
JCN-31AG-UAAB-XXX1		JCN-31AG-UAAB-XXX1	
DOC. NO.		JCN-31AG-UAAB-XXX1	
HF		RoHS	
THIS IS A ROHS COMPLIANT COMPONENT PRODUCT		V-GENERAL TECHNOLOGY	
維精科技股份有限公司		Design drawing	

MARK	NEW DESIGN	DRAWN	MMDDYY
1	REVISION RECORD	DRAWN	121019



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+	

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



CHECKED		NAME	
Steve	APPROVED	USBA.1 Gen1 A1 Row SMT offset 0.1mm, Lip Shell/Receptacle	
Marvin	Dimension Range Tolerance	SCALE	UNIT
	XX	NA	mm
	XXX	±0.35	
	XXXX	±0.25	
	XXXX	±0.15	
	ANGLE	±5°	
REV.	SIZE	SHEET	
A	A4	2/2	
③ SHIELD : STAINLESS STEEL/NICKEL PLATING ④ HOUSING : HIGH TEMPERATURE PLASTIC ⑤ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERAL LEAD FREE TIN ALLOY AT TERMINATION.			
PART NO.		DOC. NO.	
JCN-31AG-UAAB-XXX1		JCN-31AG-UAAB-XXX1	



MARK	NEW DESIGN	DRAWN	MMDYY'
	REVISION RECORD	DRAWN	121019

1

2

3

4

5

Design drawing