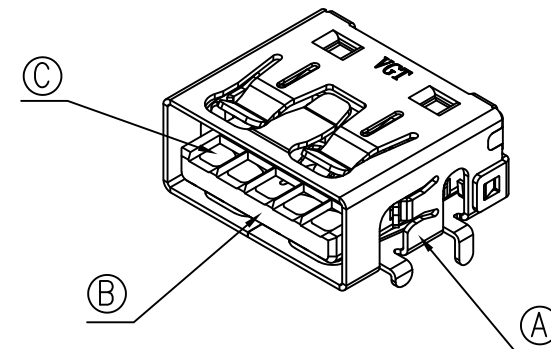
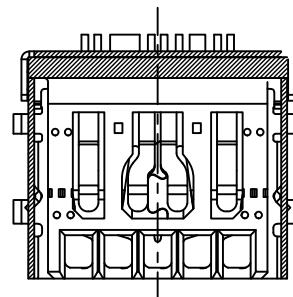
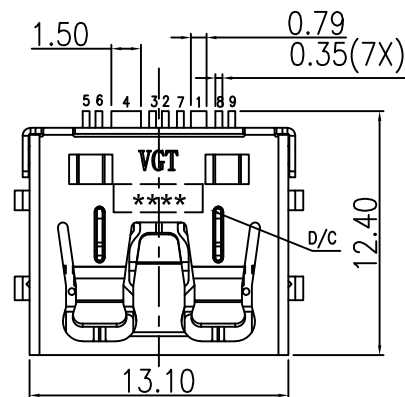
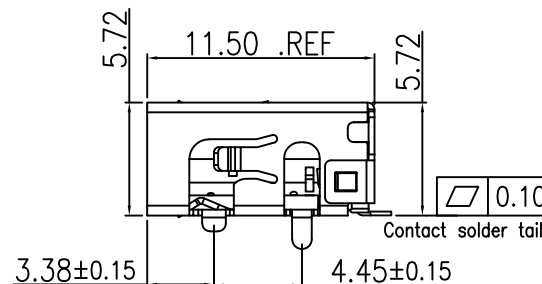




Section A-A



PART NUMBER : JCN-31AH-U8AB-XXR1

Plastic Color:

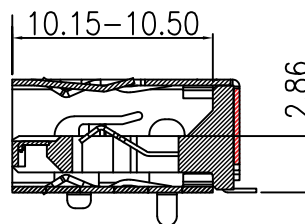
A=Blue
B=Black

Gold Plating:

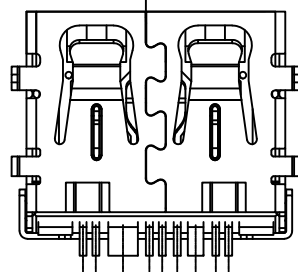
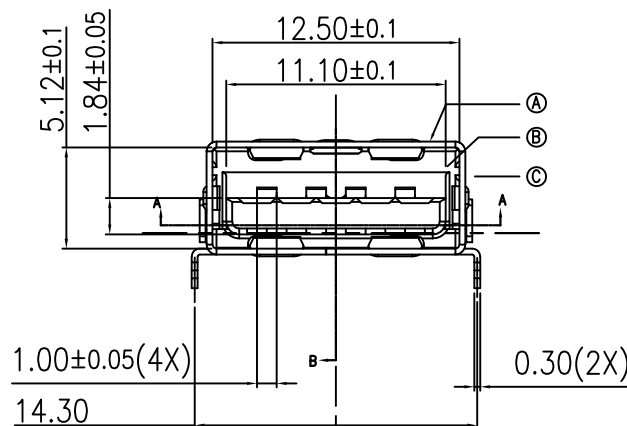
G=Gold Flash
A=3u"
B=6u"
C=10u"
D=15u"
E=30u"

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.



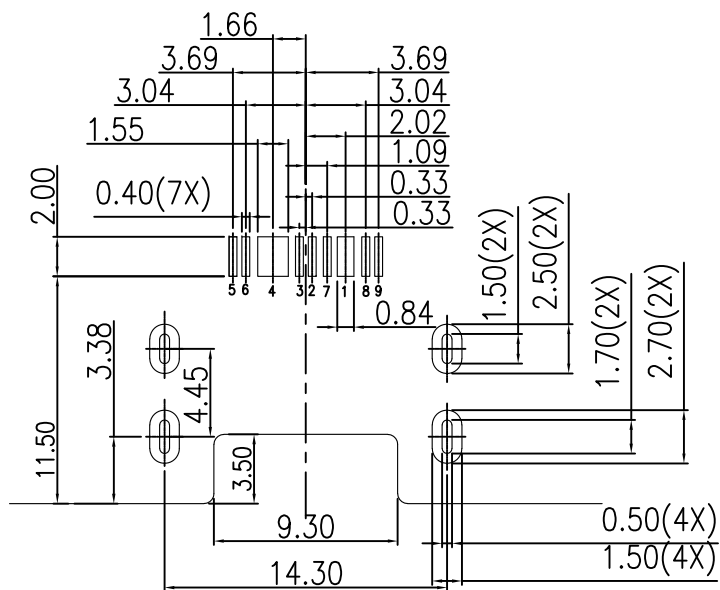
Section B-B



CHECKED		UNLESS OTHERWISE SPECIFIED TOLERANCE		NAME USB3.1 GEN1 A, Row SMT, 2.86 bottom, Dip Shell, Receptacle							
Rich				SCALE NA		UNIT mm		Material/Plated/Notes		PART NO.	
APPROVED		Dimension Range Tolerance X.X ±0.35 X.XX ±0.25 X.XXX ±0.15 ANGLE ±5°		SIZE A4		SHEET 1/2		① SHIELD : STAINLESS STEEL/NICKEL PLATING ② HOUSING : HIGH TEMPERATURE PLASTIC/BLUE (PANTONE 300) ③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL, GOLD FLASH AT CONTACT AREA, LEAD FREE TIN ALLOY AT TERMINATION.		JCN-31AH-U8AB-XXR1	
Steve											
REV.											
B											
										DOC. NO. JCN-31AH-U8AB-XXR1	

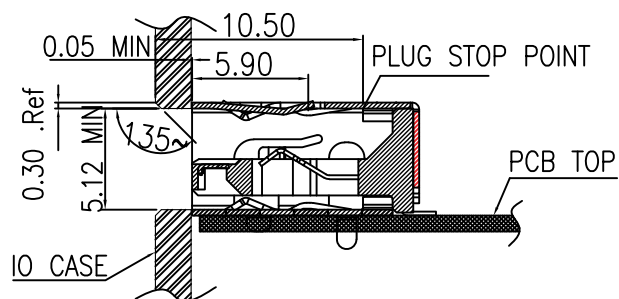
△ B	增加鐵殼凸肋	STEVE	090523
△ A	NEW DESIGN	DRAWN	111822
MARK	REVISION RECORD	DRAWN	MMDDYY'



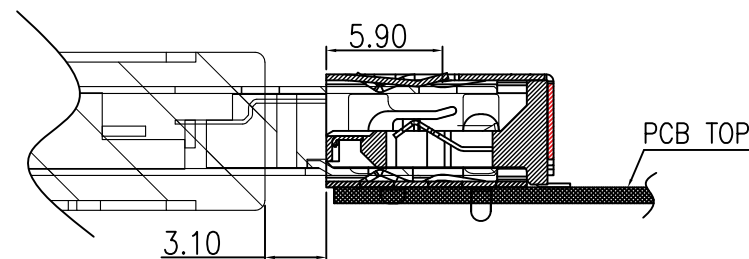


RECOMMENDED P.C.B LAYOUT TOP VIEW
TOLERANCES $\pm 0.05\text{MM}$

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+	



IO PANEL



PLUG INTO RECEPTACLE REPRESENT

CHECKED Rich	UNLESS OTHERWISE SPECIFIED TOLERANCE	NAME USB3.1 GEN1 A, Row SMT, 2.86 bottom, Dip Shell, Receptacle		PART NO. JCN-31AH-U8AB-XXR1
		SCALE NA	UNIT mm	
APPROVED Steve	Dimension Range Tolerance	SIZE A4	SHEET 2/2	DOC. NO. JCN-31AH-U8AB-XXR1
REV. B	X.X ± 0.25 X.XX ± 0.15 X.XXX ± 0.05 ANGLE $\pm 2^\circ$			

RoHS THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT.	V-GENERAL TECHNOLOGY 維將科技股份有限公司
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△ B	增加鐵殼凸肋	STEVE	090523
△ A	NEW DESIGN	DRAWN	111822
MARK	REVISION RECORD	DRAWN	MMDDYY'