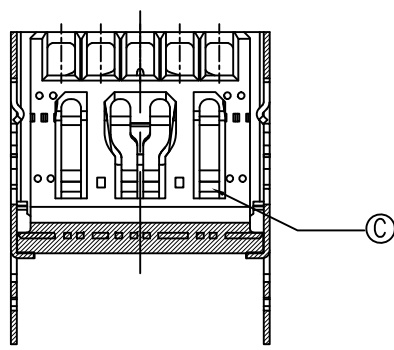
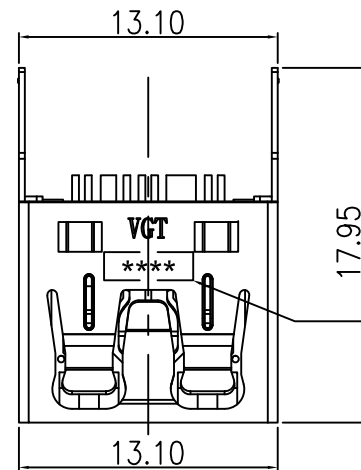
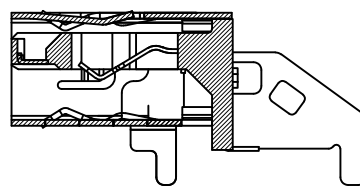
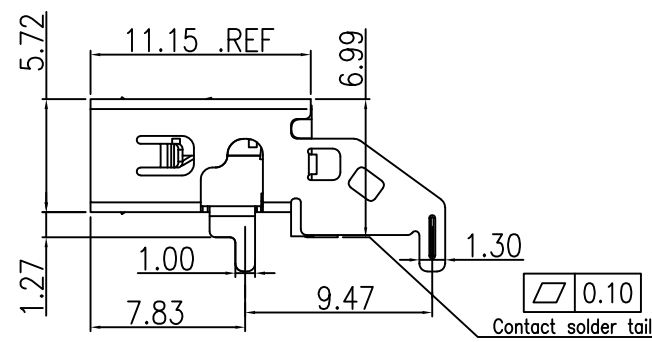
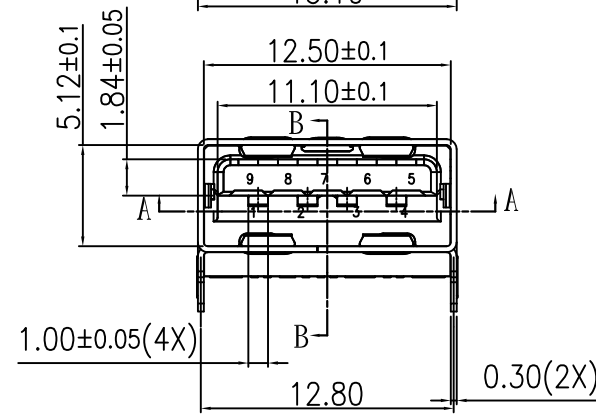


A
B
C
D
E

A
B
C
D
E

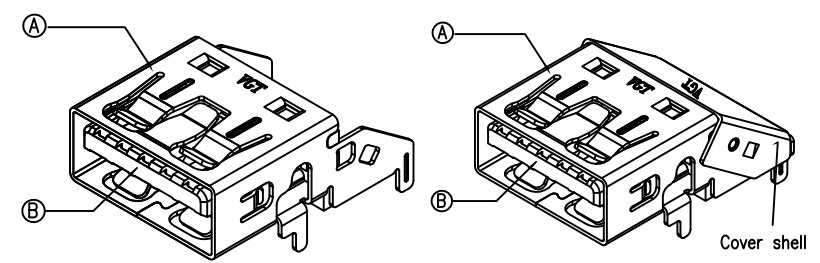
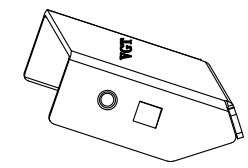


Section A-A



Section B-B

Cover shell: Option/Accessories



PART NUMBER : JCN-31A1-VHAS-XXR1

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

Plastic Color:
A=Blue
B=Black

1. ELECTRICAL CHARACTERISTICS :
- 1-1 CURRENT RATING : 0.9A MAX.
 - 1-2 VOLTAGE RATING : DC 5V MAX.
 - 1-3 DIELECTRIC WITH STANDING :100 V AC
 - 1-4 INSULATION RESISTANCE : 100MΩ
 - 1-5 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,
2. MECHANICAL CHARACTERISTICS :
- 2-1 INSERTION FORCE : 3.57 Kgf MAX
 - 2-2 WITHDRAWAL FORCE :1.02 Kgf MIN INITIAL , 0.82 Kgf MIN AFTER DURABILITY.
 - 2-3 DURABILITY : 5000 CYCLES
3. ENVIRONMENTAL :
- 3-1 OPERATING TEMPERATURE: : -20°C TO +85°C
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.

CHECKED		UNLESS OTHERWISE SPECIFIED TOLERANCE	NAME USB3.1 GEN 2 A,1 Row SMT,Offset 4.13mm,Dip Shell,Receptacle			
Steve			SCALE NA	UNIT mm	Material/Plated/Notes Ⓐ SHIELD : STAINLESS STEEL/NICKEL PLATING Ⓑ HOUSING : HIGH TEMPERATURE PLASTIC/BLACK Ⓒ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL,GOLD FLASH AT CONTACT AREA,LEAD FREE TIN ALLOY AT TERMINATION.	PART NO. & DOC NO. JCN-31A1-VHAS-XXR1
APPROVED						
Marvin						
REV. X1			Dimension Range	Tolerance		
			X.X	±0.35		
			X.XX	±0.25		
		X.XXX	±0.15			
		ANGLE	±5°			
		SIZE A4	SHEET 1/2			

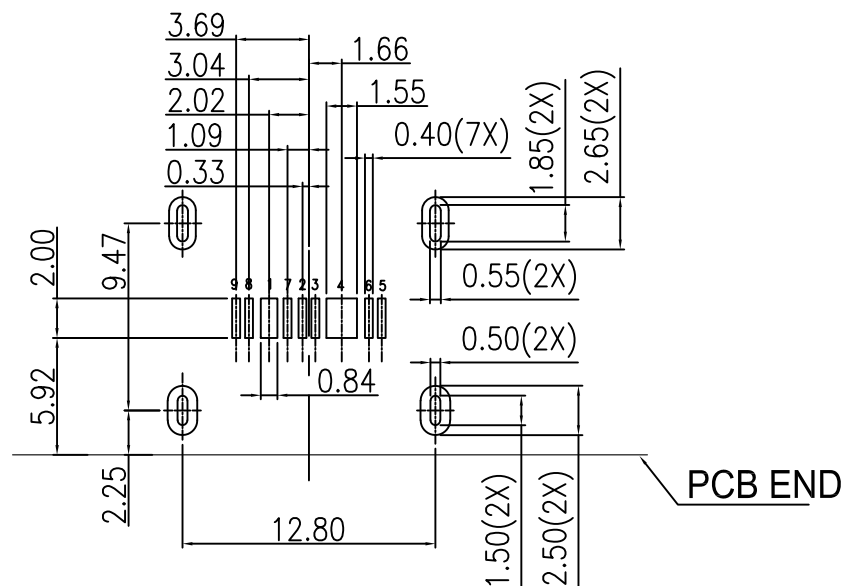
RoHS

THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.

V-GENERAL TECHNOLOGY

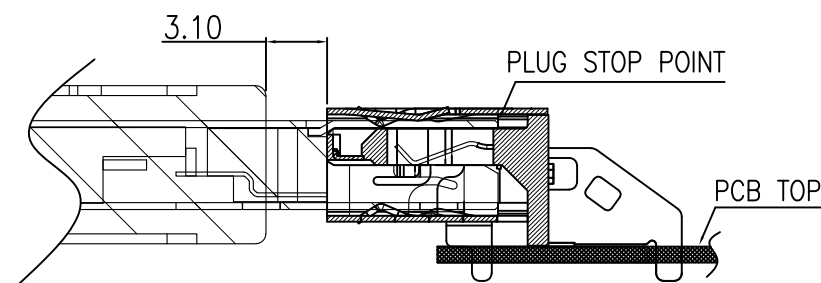
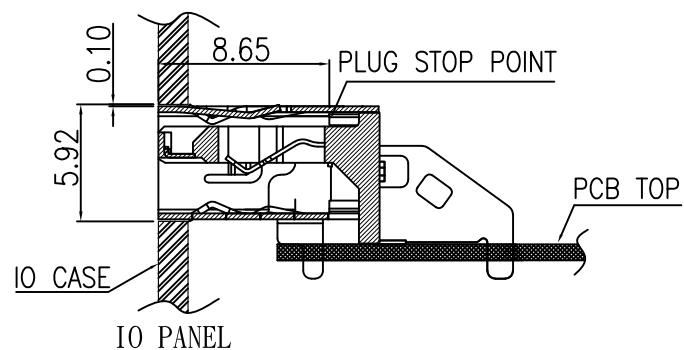
維將科技股份有限公司

△ X1	NEW DESIGN	DRAWN	MMDDYY'
MARK	REVISION RECORD	DRAWN	011822



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+	



PLUG INTO RECEPTACLE REPRESENT

CHECKED		UNLESS OTHERWISE SPECIFIED TOLERANCE		NAME		USB3.1 GEN 2 A,1 Row SMT,Offset 4.13mm,Dip		Shell,Receptacle			
Steve				SCALE		UNIT		Material/Plated/Notes		PART NO. & DOC NO.	
APPROVED		Dimension Range		Tolerance		NA		mm		① SHIELD : STAINLESS STEEL/NICKEL PLATING ② HOUSING : HIGH TEMPERTURE PLASTIC/BLACK ③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL,GOLD FLASH AT CONTACT AREA,LEAD FREE TIN ALLOY AT TERMINATION.	
Marvin		X.X		±0.35		SIZE		SHEET			
REV.		X.XX		±0.25		A4		2/2			
X1		X.XXX		±0.15							
		ANGLE		+5°						JCN-31A1-VHAS-XXR1	



V-GENERAL
TECHNOLOGY

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