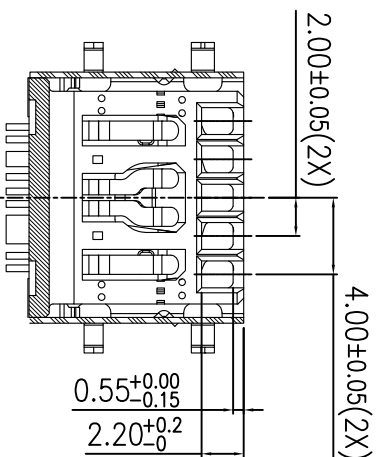
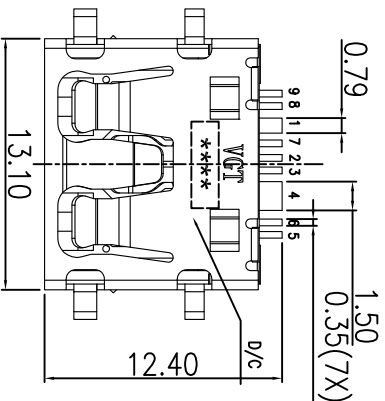
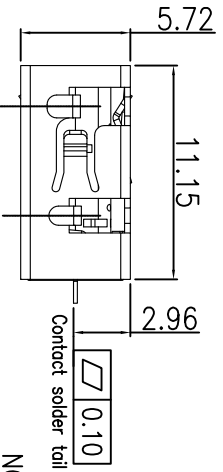


PART NUMBER : JCN-31A1-UAAB-XXX1

Plastic Color: A=Blue B=Black

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

Package: R=Taping Reel T=Tray U=Tube



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.

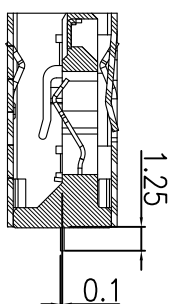
2-4 OPERATING TEMPERATURE RANGE: -20°C TO +85°C

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

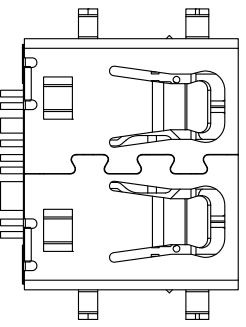
4. RECOMMENDED PROCESS: IR REFLOW PEAK TEMPERATURE 260°C

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		USB3.2 Gen2 A1 Row SMT Offset 0.1mm Dg Shell Receipt	
APPROVED		SCALE	
Morvin		N/A	
REV.		UNLESS OTHERWISE SPECIFIED TOLERANCE	
		Dimension Range Tolerance	
		X.X	
		X.XX	
X1		SIZE	
		A4	
SHEET			
1/2			
ANGLE			
45°			
X.XX			
X.XXX			
X.XXX			
X.XXX			
X.XXX			
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CHECKED		NAME	
Steve		USB3.2 Gen2 A1 Row SMT Offset 0.1mm Dg Shell Receipt	
APPROVED		SCALE	
Morvin		NA	
REV.		UNLESS OTHERWISE SPECIFIED TOLERANCE	
		Dimension Range Tolerance	
		X.X	
		X.XX	
X1	SIZE		
	A4		
	SHEET		
	1/2		
		① SHIELD : STAINLESS STEEL/NICKEL PLATING	
		② HOUSING : HIGH TEMPERATURE PLASTIC	
		③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL LEAD FREE TIN ALLOY AT TERMINATION.	
		DOC. NO.	
JCN-31A1-UAAB-XXX1		JCN-31A1-UAAB-XXX1	
HIF		ROHS	
			
THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.		V-GENERAL TECHNOLOGY	
維將科技股份有限公司		維將科技股份有限公司	

CHECKED		NAME		
Steve		USB3.2 Gen2 A1 Row SMT Offset 0.1mm Dg Shell Receipt		
APPROVED		SCALE		
Morvin		N/A		
REV.		UNLESS OTHERWISE SPECIFIED TOLERANCE		
		Dimension Range Tolerance		
		X.X		
		X.XX		
X1		SIZE		
		A4		
SHEET				
1/2				
ANGLE				
45°				
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.		DOC. NO.		
		JCN-31A1-UAAB-XXX1		
JCN-31A1-UAAB-XXX1		HIF		
		ROHS		
THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.				
V-GENERAL TECHNOLOGY		維將科技股份有限公司		
		維將科技股份有限公司		

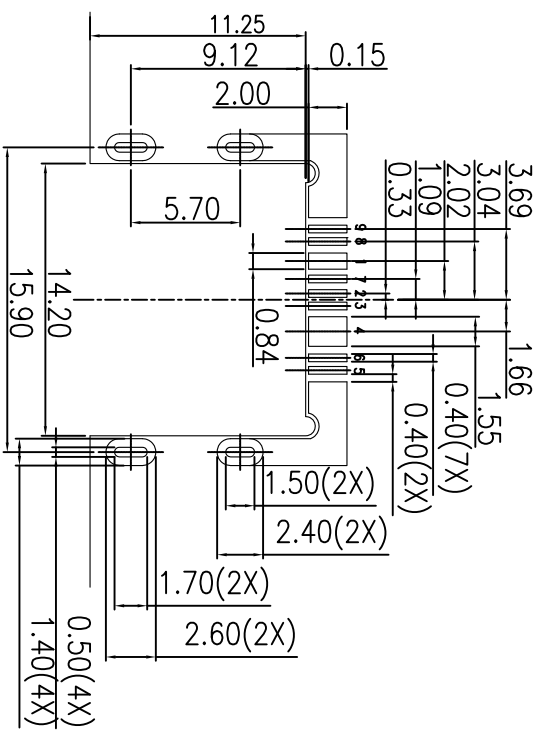
CHECKED		NAME		
Steve		USB3.2 Gen2 A1 Row SMT Offset 0.1mm Dg Shell Receipt		
APPROVED		SCALE		
Morvin		N/A		
REV.		UNLESS OTHERWISE SPECIFIED TOLERANCE		
		Dimension Range Tolerance		
		X.X		
		X.XX		
X1		SIZE		
		A4		
SHEET				
1/2				
ANGLE				
45°				
MATERIAL/Plated/Notes		① SHIELD : STAINLESS STEEL/NICKEL PLATING		
		② HOUSING : HIGH TEMPERATURE PLASTIC		
③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL LEAD FREE TIN ALLOY AT TERMINATION.		DOC. NO.		
		JCN-31A1-UAAB-XXX1		
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		ROHS		
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V-GENERAL TECHNOLOGY		維將科技股份有限公司		
		維將科技股份有限公司		

CHECKED		NAME		
Steve		USB3.2 Gen2 A1 Row SMT Offset 0.1mm Dg Shell Receipt		
APPROVED		SCALE		
Morvin		N/A		
REV.		UNLESS OTHERWISE SPECIFIED TOLERANCE		
		Dimension Range Tolerance		
		X.X		
		X.XX		
X1		SIZE		
		A4		
SHEET				
1/2				
ANGLE				
45°				
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.		DOC. NO.		
		JCN-31A1-UAAB-XXX1		
JCN-31A1-UAAB-XXX1		HIF		
		ROHS		
THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.				
V-GENERAL TECHNOLOGY		維將科技股份有限公司		
		維將科技股份有限公司		

CHECKED		NAME		
Steve		USB3.2 Gen2 A1 Row SMT Offset 0.1mm Dg Shell Receipt		
APPROVED		SCALE		
Morvin		N/A		
REV.		UNLESS OTHERWISE SPECIFIED TOLERANCE		
		Dimension Range Tolerance		
		X.X		
		X.XX		
X1		SIZE		
		A4		
SHEET				
1/2				
ANGLE				
45°				
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.		DOC. NO.		
		JCN-31A1-UAAB-XXX1		
JCN-31A1-UAAB-XXX1		HIF		
		ROHS		
THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.				
V-GENERAL TECHNOLOGY		維將科技股份有限公司		
		維將科技股份有限公司		

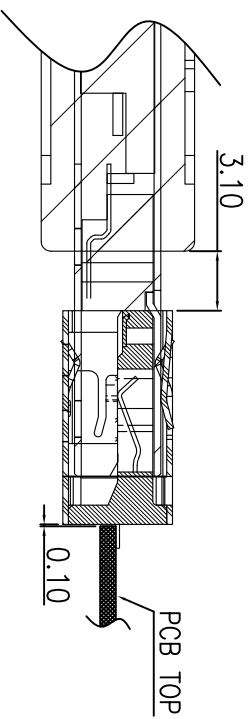
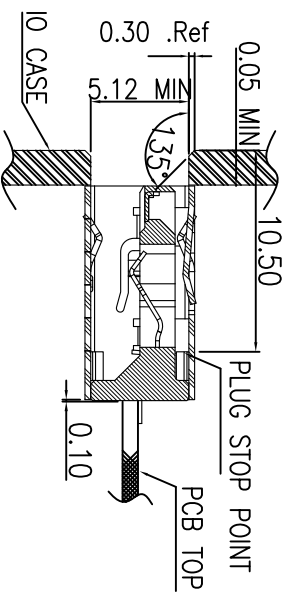
CHECKED		NAME		
Steve		USB3.2 Gen2 A1 Row SMT Offset 0.1mm Dg Shell Receipt		
APPROVED		SCALE		
Morvin		N/A		
REV.		UNLESS OTHERWISE SPECIFIED TOLERANCE		
		Dimension Range Tolerance		
		X.X		
		X.XX		
X1		SIZE		
		A4		
SHEET				
1/2				
ANGLE				
45°				
MATERIAL/Plated/Notes		① SHIELD : STAINLESS STEEL/NICKEL PLATING		
		② HOUSING : HIGH TEMPERATURE PLASTIC		
③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL LEAD FREE TIN ALLOY AT TERMINATION.		DOC. NO.		
		JCN-31A1-UAAB-XXX1		
JCN-31A1-UAAB-XXX1		HIF		
		ROHS		
THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.				
V-GENERAL TECHNOLOGY		維將科技股份有限公司		
		維將科技股份有限公司		

CHECKED		NAME
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RECOMMENDED P.C.B LAYOUT TOP VIEW
TOLERANCES ± 0.05MM

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		NAME		USB3.2 Gen2 A.1 Rev SMT/Offset 0.1mm Dfp Shell/Receptacle		HF		 維將科技股份有限公司	
		Steve		UNLESS OTHERWISE SPECIFIED TOLERANCE		SCALE UNIT NA mm		PART NO. JCN-31A1-UAAB-XXX1			
		APPROVED		Material/Printed/Notes		① SHIELD : STAINLESS STEEL/NICKEL PLATING		ROHS		 維將科技股份有限公司	
		Marvin		② HOUSING : HIGH TEMPERATURE PLASTIC		③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL LEAD FREE TIN ALLOY AT TERMINATION.					
		REV.		④		SHEET ⑤				 維將科技股份有限公司	
				X.XX		X.XX		X.XX			
				TOLERANCE		SIZE				 維將科技股份有限公司	
				X.XX		A4		2/2			
		X1		ANGLE						 維將科技股份有限公司	
				±5°							
1		2		3		4		5		Design drawing	
A		NEW DESIGN		DRAWN		MMDDDYY'					
MARK		REVISION RECORD		DRAWN		121019					