

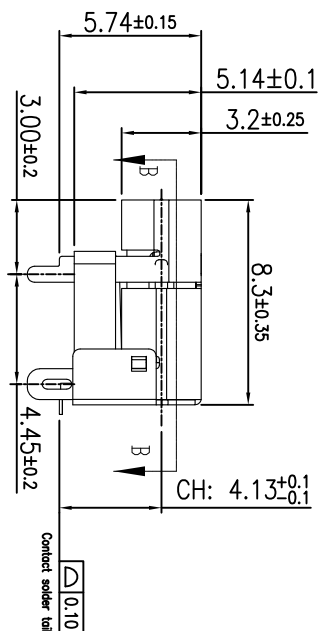
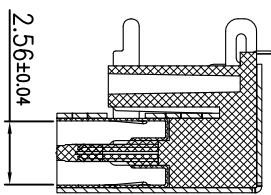
PART NUMBER : JCN-31CG-UHAR-XXX1

Plastic Color: _____
B=Black
Gold Plating: _____
G=Gold Flash
A=3u"
B=6u"
C=10u"
D=15u"
E=30u"
Package: _____
R=Taping Reel
T=Tray

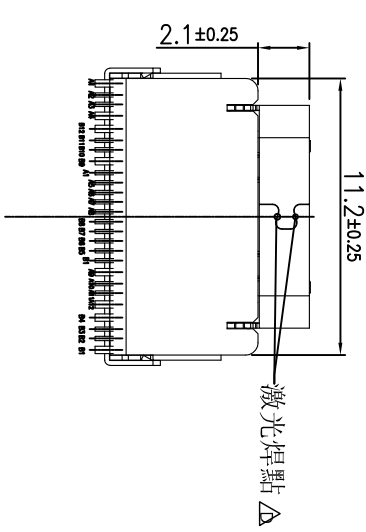
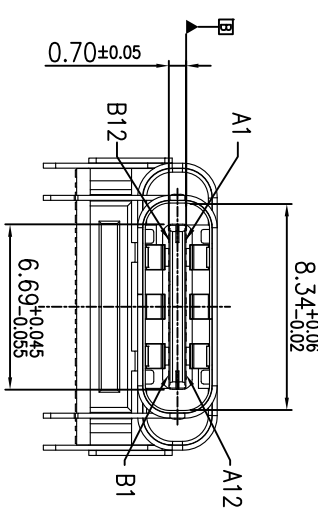
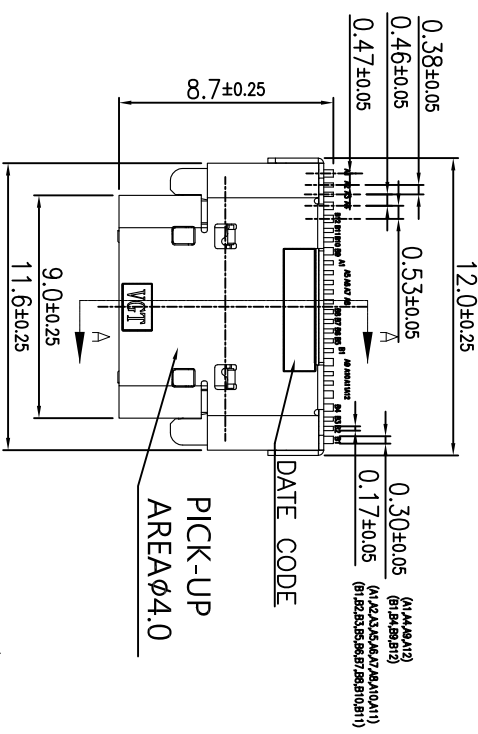
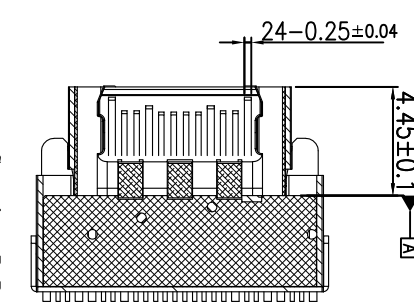
NOTES:

- ELECTRICAL CHARACTERISTICS:
1-1 CONTACT CURRENT RATING:
1.25A 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 40 MILLIOHMS MAX FOR ALL OTHER CONTACT,
AFTER DURABILITY 10 MILLIOHMS MAX CHANGE.
1-3 DIELECTRIC WITH STANDING: 100 MEGOHMS MIN
- MECHANICAL CHARACTERISTICS:
2-1 CONNECTOR MATING FORCE: 5~20N
2-2 CONNECTOR UNMATING FORCE: 8N~20N INITIAL 6N~20N AFTER DURABILITY.
2-3 DURABILITY: 10000 CYCLES.
2-4 OPERATING TEMPERATURE RANGE: -20°C TO +85°C
- DIMENSIONS ARE IN MILLIMETERS, BRACKETED DIMENSIONS ARE INCHES EQUIVALENTS.
- 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.
- ☒ RoHS2.0 & REACH
- ☒ HF

Section A-A

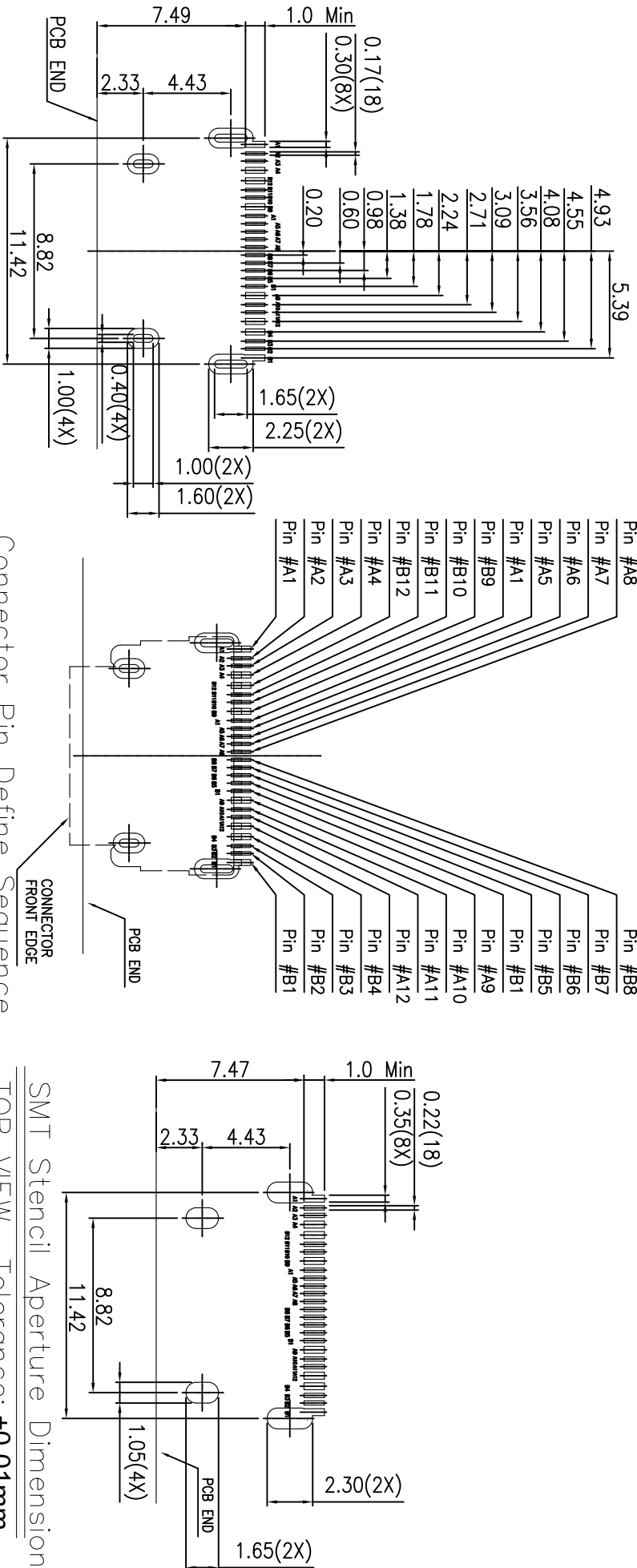


Section B-B



CHECKED		NAME		USBS 2.0 Gen2 C, 1 Row SMT Offset 4.13mm, Dip Shell, Receptacle		PART NO.		HF	
Steve		UNLESS OTHERWISE SPECIFIED TOLERANCE		UNIT		Material: Plastic/Aluminum		RoHS	
APPROVED		N/A		mm		① SHIELD : STAINLESS STEEL/ ② HOUSING : HIGH TEMPERATURE PLASTIC		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.	
Marvin		Dimension Range Tolerance		SHEET		JCN-31CG-UHAR-XXX1		V-GENERAL TECHNOLOGY	
X.X		±0.35		1/3		DOC. NO.		維將科技股份有限公司	
X.XXX		±0.25		③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL LEAD FREE TIN ALLOY AT TERMINATION.		JCN-31CG-UHAR-XXX1			
X.XXX		±0.15							
ANGLE		±5°							
△D		DRAWN		120921					
△C		DRAWN		092820					
MARK		DRAWN		MMDDYY					
REVISION RECORD		REV.		X.X					
		D		X.XXX					
				A4					
									

PIN ASSIGNMENT			
Pin Number	Signal Name	Description	
A1	GND	Ground for Power Return	B12 GND
A2	SS TX1+	Positive half of first SuperSpeed TX differential pair	B11 SS RX1+
A3	SS TX1-	Negative half of first SuperSpeed TX differential pair	B10 SS RX1-
A4	VBUS	POWER	B9 VBUS
A5	CC1	Configuration Channel	B8 SBU2
A6	D+	USB2.0 differential pair	B7 D-
A7	D-	USB2.0 differential pair	B6 D+
A8	SBU1	Sideband Use (SBU)	B5 CC2
A9	VBUS	POWER	B4 VBUS
A10	SS RX2-	Negative half of second SuperSpeed RX differential pair	B3 SS TX2-
A11	SS RX2+	Positive half of second SuperSpeed RX differential pair	B2 SS TX2+
A12	GND	Ground for Power Return (Cable Detect)	B1 GND



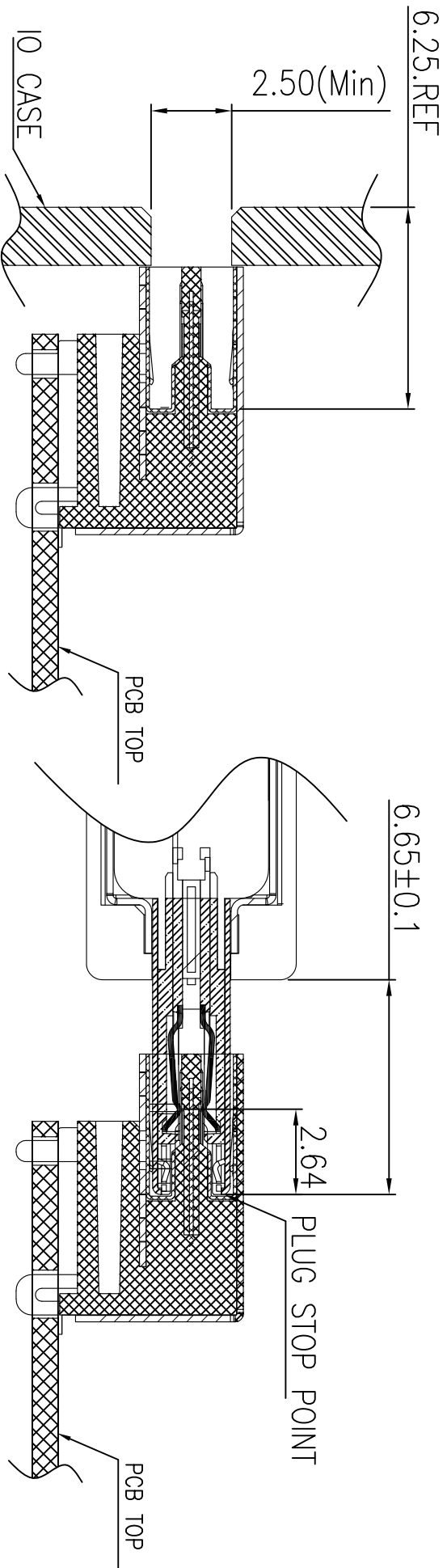
PCB Foot Printer Dimension

TOP VIEW Tolerance: $\pm 0.01\text{mm}$

Connector Pin Define Sequence

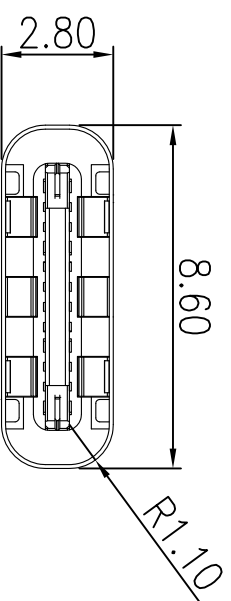
SMT Stencil Aperture Dimension
TOP VIEW Tolerance: $\pm 0.01\text{mm}$

CHECKED		NAME		PART NO.		HF	
Steve		USB3.2 Gen2 C1 Row SMT Offset 4.15mm, Dip Shell Reception		JCN-31CG-UHAR-XXX1		RoHS	
APPROVED		UNLESS OTHERWISE SPECIFIED TOLERANCE		JCN-31CG-UHAR-XXX1		V-GENERAL TECHNOLOGY	
Marvin		SCALE		DOC. NO.		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT	
REV.		UNIT		JCN-31CG-UHAR-XXX1		V-GENERAL TECHNOLOGY	
D		mm		JCN-31CG-UHAR-XXX1		維將科技股份有限公司	
DRAWN		SHEET		JCN-31CG-UHAR-XXX1		Design drawing	
REVISION RECORD		SIZE		JCN-31CG-UHAR-XXX1			
DRAWN		2/3					
MMDDYY		ALLOT AT TERMINATION					
1		±5°					



IO PANEL

PLUG INTO RECEPTACLE REPRESENT



Panel Cut Out

CHECKED		NAME		USB3.2 Gen2 C.1 Row SMT,Offset 4.13mm,Dip Shell,Receptacle		HF	
Steve		UNLESS OTHERWISE SPECIFIED, TOLERANCE		SCALE		ROHS	
APPROVED		UNIT		N/A		mm	
Marvin		DIMENSIONED TO HATCH TOLERANCE		① SHIELD : STAINLESS STEEL/ BRIGHT NICKEL PLATING		PART NO. JCN-31CG-UHAR-XXX1	
REV.		SIZE		② HOUSING : HIGH TEMPERATURE PLASTIC		DOC. NO. JCN-31CG-UHAR-XXX1	
D		X.X		③ CONTACTS : COPPER ALLOY/NICKEL UNPLATED OVER LEAD FREE TIN ALLOY AT TERMINATION.		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.	
		X.XX					
ANGLE		40.15				V-GENEAL TECHNOLOGY	
		45°				維將科技股份有限公司	