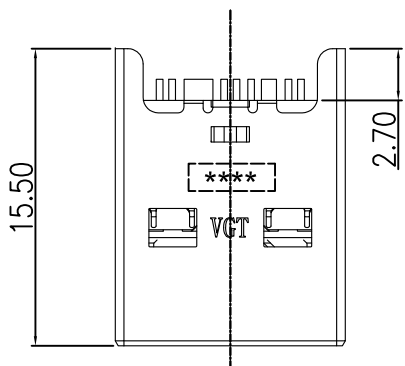
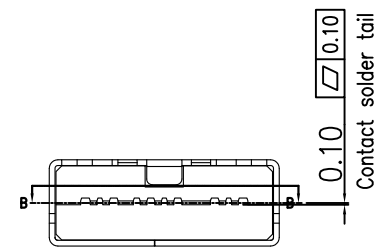
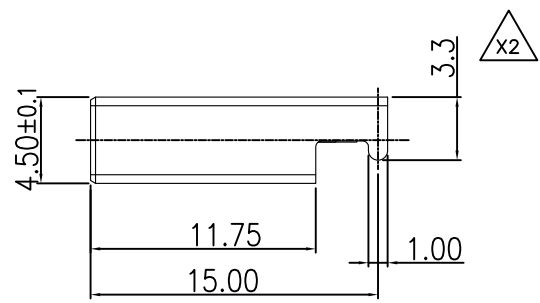
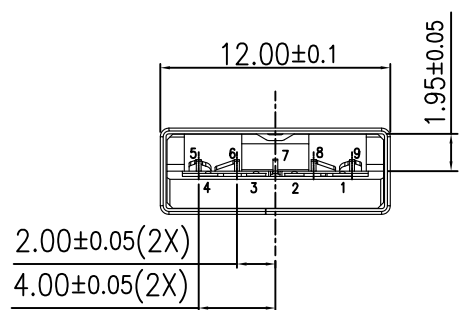


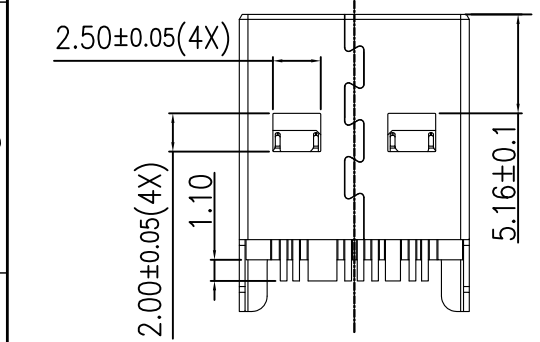
PART NUMBER : JCN-31AA-UAAA-XXX1

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

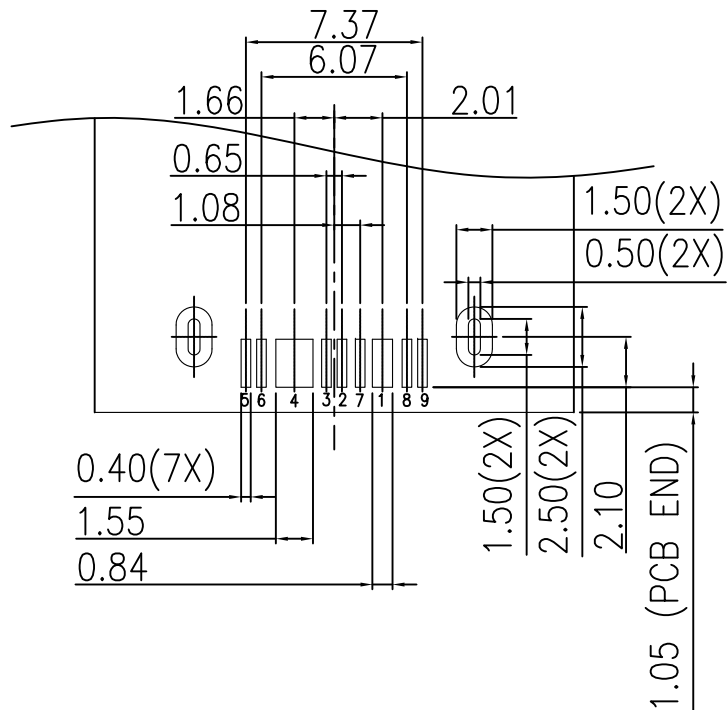


NOTES:

- 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
- 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
- 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.

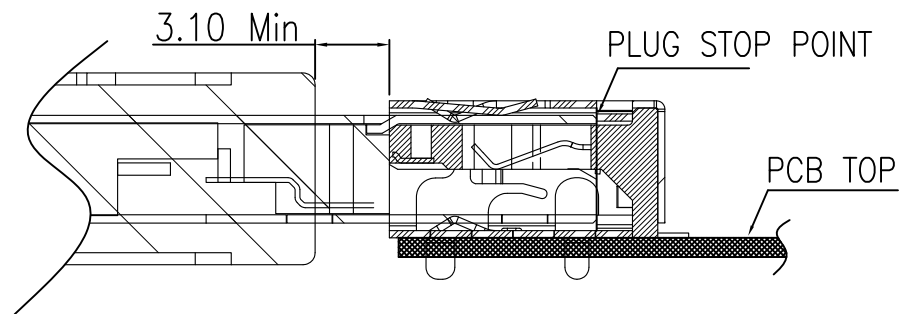


				CHECKED		NAME		USB3.2 Gen1 A,1 Row SMT,Offset 0.10mm,Dip Shell,Plug		HF RoHS  THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.		 V-GENERAL TECHNOLOGY 維將科技股份有限公司							
				Steve		UNLESS OTHERWISE SPECIFIED TOLERANCE													
				APPROVED															
				Marvin															
REV.		Dimension Range		Tolerance		SCALE		UNIT		Material/Plated/Notes		PART NO.							
X2		X.X		±0.35		NA		mm		① SHIELD : STAINLESS STEEL/NICKEL PLATING		JCN-31AA-UAAA-XXX1							
		X.XX		±0.25						② HOUSING : HIGH TEMPERTURE PLASTIC									
		X.XXX		±0.15		SIZE		SHEET		③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL LEAD FREE TIN ALLOY AT TERMINATION.		DOC. NO.							
		ANGLE		±5°		A4		1/2				JCN-31AA-UAAA-XXX1							
△ X0				NEW DESIGN				DRAWN				MMDDYY							
MARK				REVISION RECORD				DRAWN				070820							
1				2				3				4				5			
																Design drawing			



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 Steve				NAME USB3.2 Gen1 A,1 Row SMT,Offset 0.10mm,Dip Shell,Plug				HF RoHS		V-GENERAL TECHNOLOGY	
APPROVED Marvin				SCALE NA				PART NO. JCN-31AA-UAAA-XXX1		THIS IS A RoHS COMPLIANT COMPONENT PRODUCT.	
REV. X2				SIZE A4				DOC. NO. JCN-31AA-UAAA-XXX1		維將科技股份有限公司	
UNLESS OTHERWISE SPECIFIED TOLERANCE				Material/Plated/Notes							
Dimension Range				Tolerance							
X.X				± 0.35							
X.XX				± 0.25							
X.XXX				± 0.15							
ANGLE				$\pm 5^\circ$							
NEW DESIGN				SHEET 2/2							
REVISION RECORD				CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL LEAD FREE TIN ALLOY AT TERMINATION.							
DRAWN				MATERIAL : STAINLESS STEEL/NICKEL PLATING							
MMDDYY*				HOUSING : HIGH TEMPERATURE PLASTIC							
070820											
MARK											
1				3				4		5	
										Design drawing	