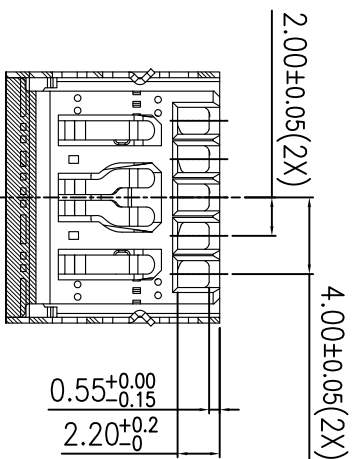
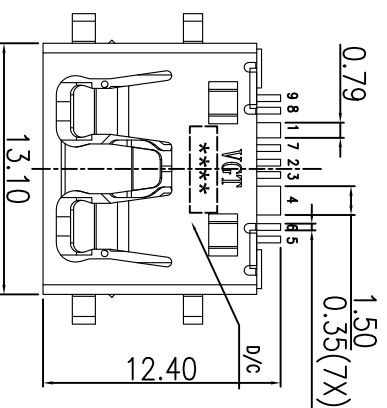
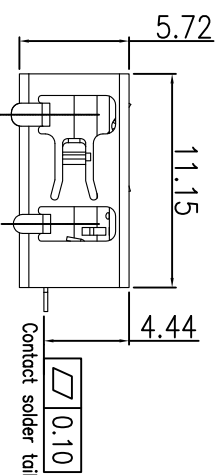


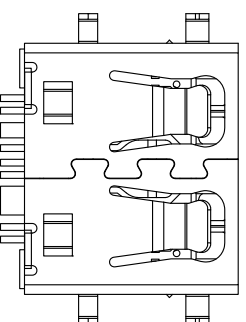
PART NUMBER : JCN-31A1-UDAB-XXX1

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
 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		PART NO.		HF		V-GENERAL	
Steve		USB3.2 Gen2 A1 Rev SMT offset 1.58mm Dip Small Receptacle		JCN-31A1-UDAB-XXX1		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.		維將科技股份有限公司	
APPROVED		SCALE UNIT		DOC. NO.		RoHS		TECHNOLOGY	
Marvin		N/A mm		JCN-31A1-UDAB-XXX1		V-G		V-G	
Dimension Range		Tolerance		SHEET		① SHIELD : STAINLESS STEEL/NICKEL PLATING		② HOUSING : HIGH TEMPERATURE PLASTIC	
X.X		±0.35		1/2		③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL LEAD FREE TIN		④ CONTACTS : COPPER ALLOY/NICKEL ALLOY AT TERMINATION.	
X.XXX		±0.25		A4					
X.XXX		±0.15							
ANGLE		±5°							

△ XI	NEW DESIGN	DRAWN	MMDDYY
MARK	REVISION RECORD	DRAWN	121019

1

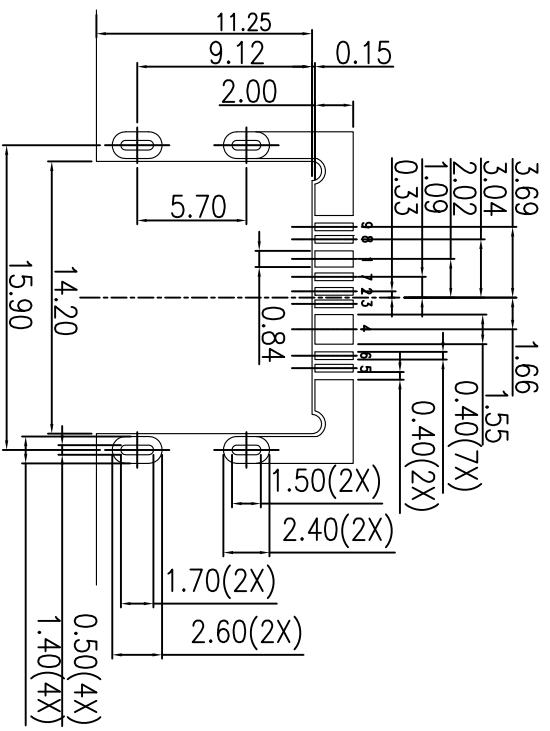
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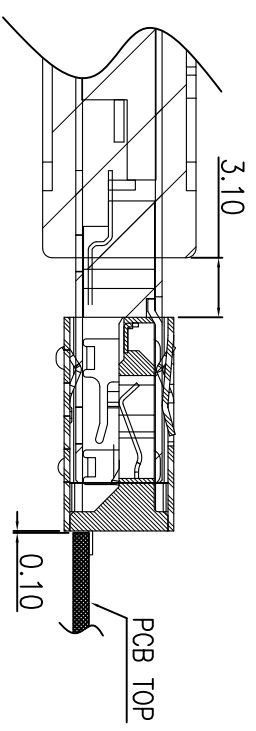
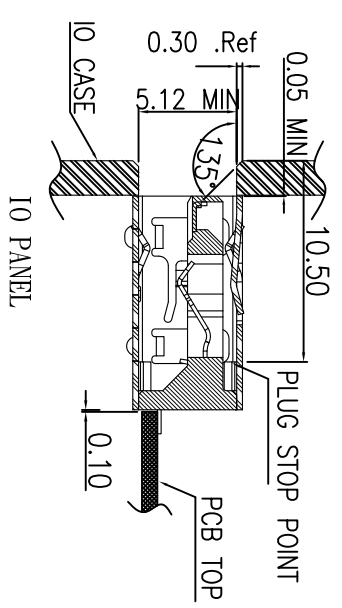
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Design drawing



PIN ASSIGNMENT		
Pin Number	Signal Name	Description
1	VBUS	POWER
2	D-	USB2.0 differential pair
3	D+	Ground for Power Return
4	GND	Superspeed receiver differential pair
5	SS RX-	Ground for Power Return
6	SS RX+	Superspeed transmitter differential pair
7	GND DRAIN	
8	SS TX-	
9	SS TX+	



CHECKED Steve		NAME USB3.2 Gen2 A1 Row SMT Offset 1.58mm Dip Small Receptacle	
APPROVED Marvin		SCALE N/A	
UNLESS OTHERWISE SPECIFIED TOLERANCE		UNIT mm	
Dimension Range Tolerance		SHEET 2/2	
X.XX ±0.35		SIZE A4	
X.XX ±0.25		SHEET 2/2	
X.XX ±0.15		SHEET 2/2	
ANGLE ±5°		SHEET 2/2	
REV. A		SHEET 2/2	
NEW DESIGN		DRAWN MMDYY	
REVISION RECORD		DRAWN 121019	
MARK		DRAWN	
1		2	
3		4	
5		Design drawing	