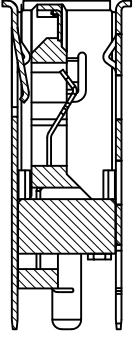
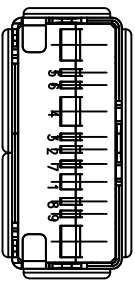
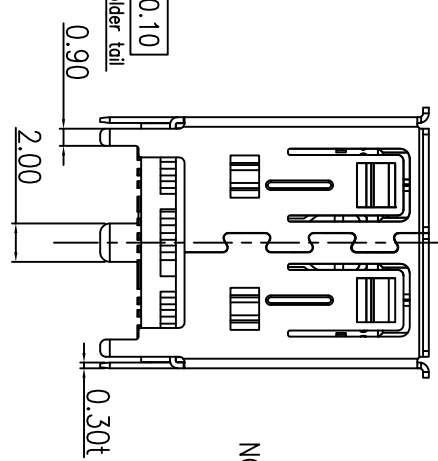
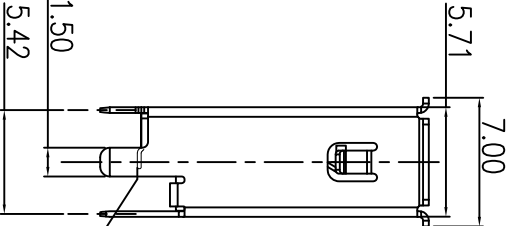
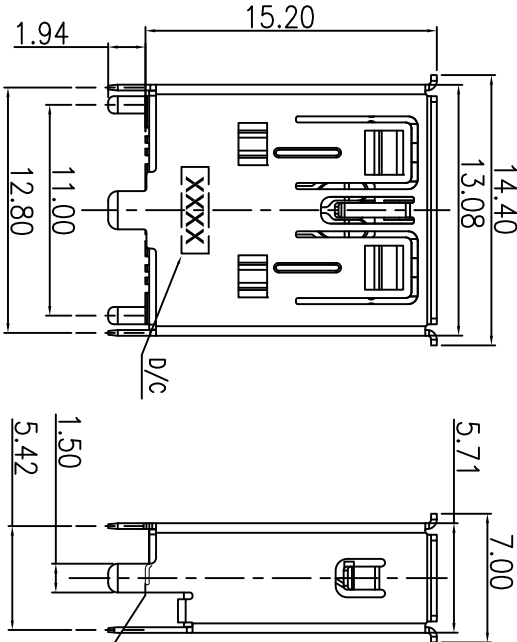
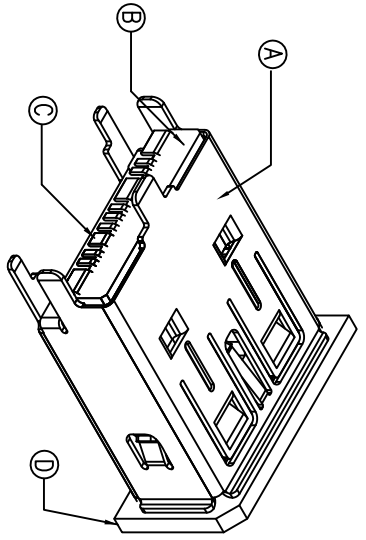


Section A-A

PART NUMBER: JCN-31AJ-J1AJ-XXR1

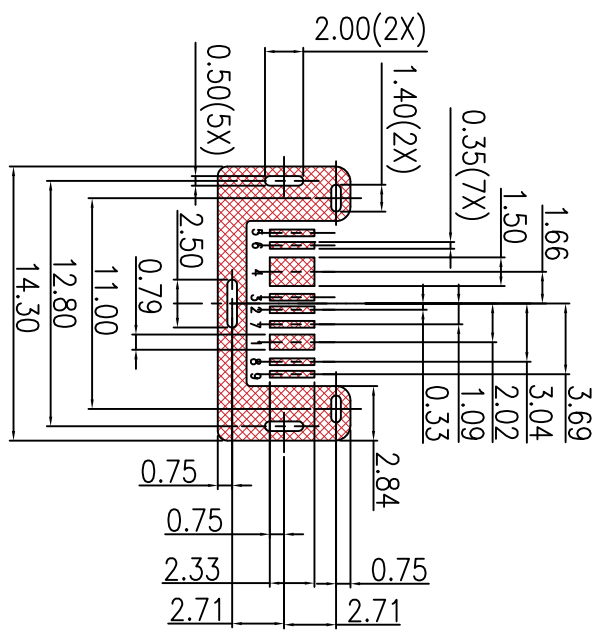


NOTES:

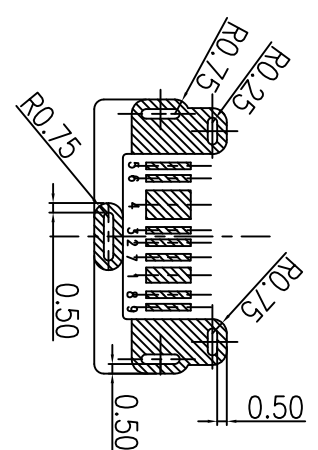
1. ELECTRICAL CHARACTERISTICS:
 - 1-1 CONTACT CURRENT RATING: 1.8A FOR VBUS PIN AND ITS CORRESPONDING GND PIN, 0.25A MIN FOR ALL OTHER CONTACTS.
 - 1-2 CONTACT RESISTANCE: INITIAL 30 MILLIOHMS MAX FOR VBUS AND GND CONTACT, INITIAL 50 MILLIOHMS MAX FOR ALL OTHER CONTACT, AFTER DURABILITY 10 MILLIOHMS 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

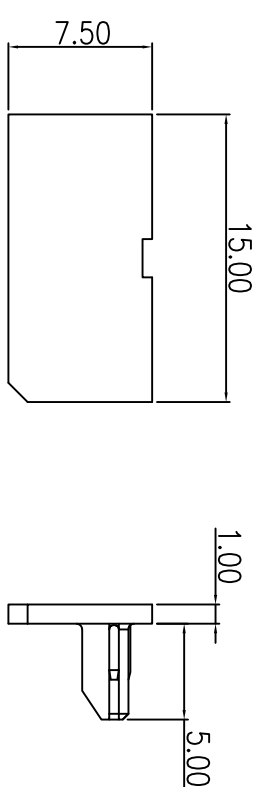
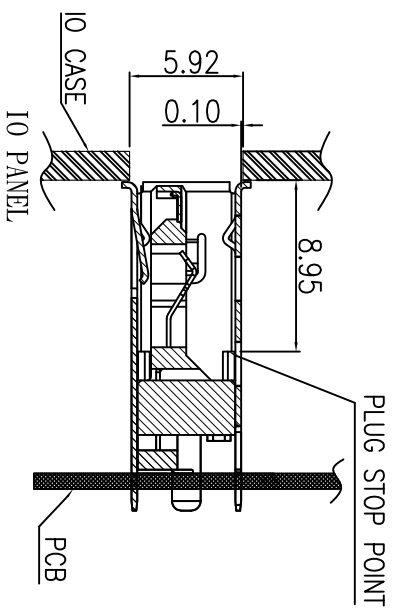
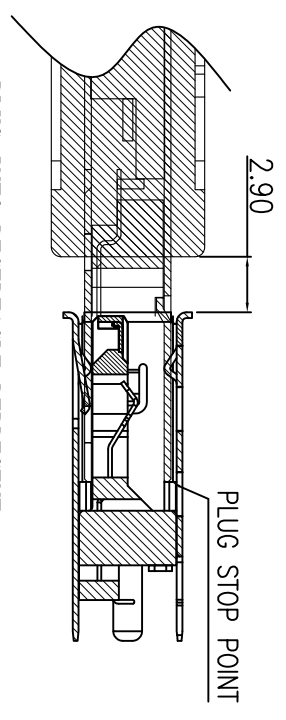
CHECKED Eric		UNLESS OTHERWISE SPECIFIED TOLERANCE		NAME USB3.1A, 1 Row SMT, Vertical, H 15, 15		SCALE UNIT NA		PART NO.	
APPROVED Kevin		Dimension Range Tolerance		Material/Plated/Notes		SHEET 1/2		JCN-31AJ-J1AJ-XXR1	
REV. X1		X.XX X.XXX		①SHIELD : STAINLESS STEEL/NICKEL PLATING ②HOUSING : HIGH TEMPERATURE PLASTIC/BLACK ③CONTACTS : COPPER ALLOY/NICKEL ④UNDERPLATED OVERALL GOLD FLASH AT CONTACT AREAL/LEAD FREE TIN ALLOY AT TERMINATION. ⑤CMP : HIGH TEMPERATURE PLASTIC/BLACK		SIZE A4		DOC. NO. JCN-31AJ-J1AJ-XXR1	
REVISION RECORD		X.XXX X.XXX		DRAWN MDDYY'		SHEET		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.	
DRAWN		ANGLE 45°		DRAWN 032922		SHEET		V-GENERAL TECHNOLOGY	
MARK		5°		DRAWN		SHEET		維將科技股份有限公司	
1		2		3		4		5	
Design drawing									



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



RECOMMENDED P. C. B SOLDERPAST
TOLERANCES ± 0.05MM



CAP SIZE

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

PIN ASSIGNMENT

△ X1	NEW DESIGN	DRAWN	MMDDYY'
MARK	REVISION RECORD	DRAWN	032922

CHECKED	Eric	UNLESS OTHERWISE SPECIFIED TOLERANCE	NAME	USB3.1A.1 Row SMT, 15, Vertical_H 15, 15
APPROVED	Kevin	Dimension Range	SCALE	UNIT
REV.	X1	Tolerance	NA	mm
		±0.35		
		±0.25		
		±0.15		
		45°	SIZE	SHEET
			A4	2/2

Material/Plating/Notes
 SHIELD : STAINLESS STEEL/NICKEL PLATING
 HOUSING : HIGH TEMPERATURE PLASTIC/BLACK
 CONTACTS : COPPER ALLOY/NICKEL
 UNDERPLATED OVERLEAD GOLD FLASH AT CONTACT AREAL/LEAD FREE TIN ALLOY AT TERMINATION.
 CAP : HIGH TEMPERATURE PLASTIC/BLACK

DOC. NO.	JCN-31AJ-11AJ-XXR1
PART NO.	JCN-31AJ-11AJ-XXR1

ROHS
 THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.

V-GENERAL TECHNOLOGY
 維將科技股份有限公司
 Design drawing