

PART NUMBER : JCN-31CA-ACAM-XXX1

Plastic Color:

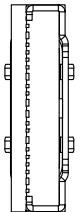
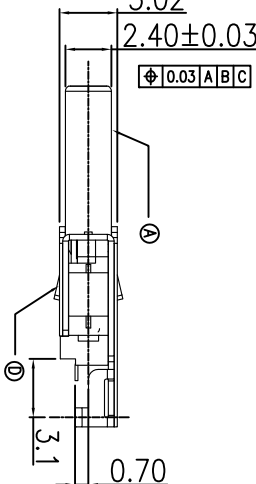
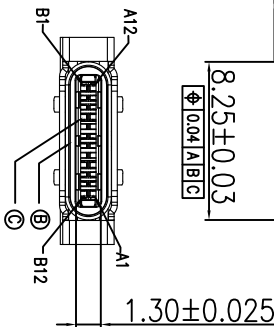
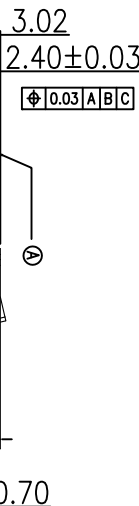
A=Blue
B=Black

Gold Plating:

G=Gold Flash
A=30"
B=60"
C=100"
D=150"
E=300"

Package:

R=Reel
T=Tape
U=Tube



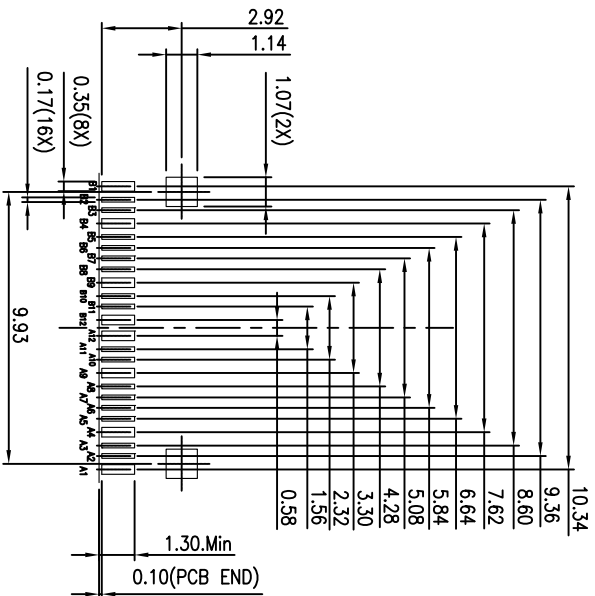
Contact solder tail

0.10

NOTES:

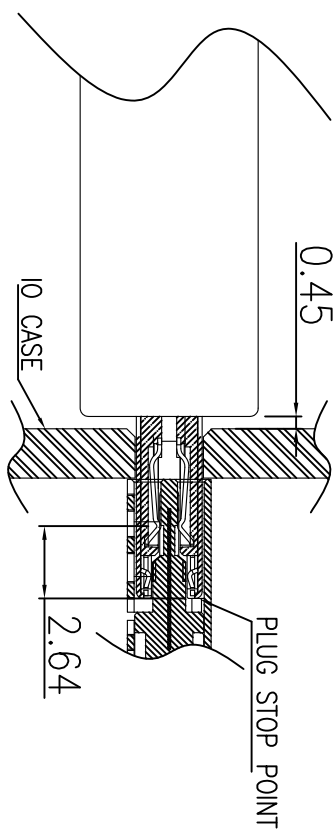
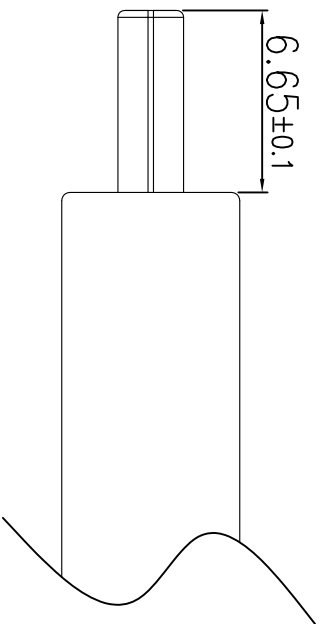
- ELECTRICAL CHARACTERISTICS:
 - 1-1 CONTACT CURRENT RATING:
1.25A FOR USB PIN AND ITS CORRESPONDING GND PIN,
0.25A MIN FOR ALL OTHER CONTACTS.
 - 1-2 CONTACT RESISTANCE:
INITIAL 40 MILLIOHMS MAX FOR USB AND GND CONTACT,
INITIAL 50 MILLIOHMS MAX FOR ALL OTHER CONTACT.
 - 1-3 DIELECTRIC WITH STANDING: WITHSTAND 100 VAC (RMS)
- MECHANICAL CHARACTERISTICS:
 - 2-1 CONNECTOR INSERTION FORCE: 5N~20N .
 - 2-2 CONNECTOR EXTRACTION FORCE: 8~20N MIN INITIAL, 6~20N MIN 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.

			CHECKED		NAME				HF			
			Leon		UNLESS OTHERWISE SPECIFIED TOLERANCE		SCALE		Material/Plated/Notes		PART NO.	
			APPROVED				UNIT		② SHIELD : STAINLESS STEEL/NICKEL PLATING		JCN-31CA-ACAM-XXX1	
			Xavier		Dimension Range		mm		② HOUSING : HIGH TEMPERATURE PLASTIC		DOC. NO.	
			REV.		X.X		SIZE		SHEET		JCN-31CA-ACAM-XXX1	
					X.XX		A4		1/2			
			X1		X.XXX				② CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL ALLOD FREE TIN ALLOY AT TERMINATION.			
			ANGLE		±0.15°				② THROUGH HOLE SHELL: SPEC/NICKEL PLATING			
			1		2		3		4		5	
			NEW DESIGN		DRAWN		MMDYV'					
			REVISION RECORD		DRAWN		121219					
			MARK									
			1		2		3		4		5	



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

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



PLUG LENGTH

PLUG INTO RECEPTACLE REPRESENT

CHECKED Leon		NAME USB2.0 Gen2 C.1 Plug SMT/Cham 0.7mm/Small SMT Plug	
APPROVED Xavier		SCALE N/A	
UNLESS OTHERWISE SPECIFIED TOLERANCE		UNIT mm	
Dimension Range Tolerance		SIZE	
XX		±0.35	
XXX		±0.25	
XXX		±0.15	
ANGLE		±5°	
REV. X1	SHEET 2/2	SHEET 2/2	
NEW DESIGN		DRAWN	
REVISION RECORD		DRAWN	
1		2	
3		4	
5		Design drawing	
HIF RoHS		PART NO. JCN-31CA-ACAM-XXX1	
DOC. NO. JCN-31CA-ACAM-XXX1		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.	
V-GENERAL TECHNOLOGY		維將科技股份有限公司	