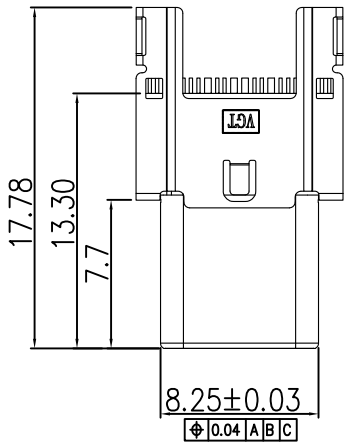
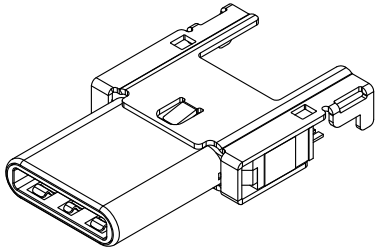
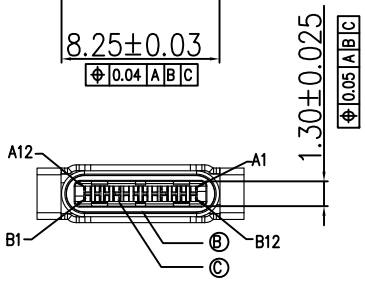
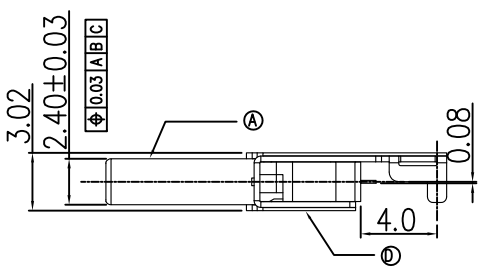
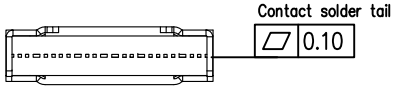
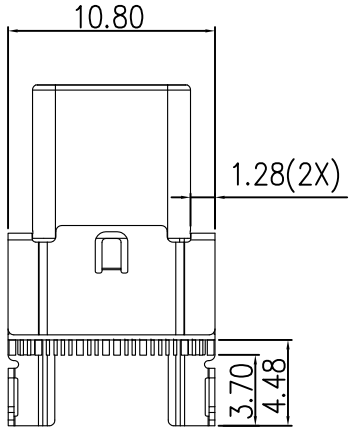












PART NUMBER : JCN-U4CA-AAAA-XXX1

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:

1. 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 40 MILLIOHMS MAX FOR VBUS AND GND CONTACT,
     INITIAL 50 MILLIOHMS MAX FOR ALL OTHER CONTACT,
   - 1-3 DIELECTRIC WITH STANDING: WITHSTAND100 VAC (RMS)
2. 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℃ TO +85℃
3. DIMENSIONS ARE IN MILLIMETERS, BRACKETED DIMENSIONS ARE INCHES EQUIVALENTS.
4. RECOMMENDED PROCESS: IR REFLOW PEAK TEMPERATURE 260℃
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.

MARK	REVISION RECORD	DRAWN	MMDDYY
△ X0	NEW_DESIGN	DRAWN	121219

CHECKED: Leon
APPROVED: Xavier
REV.: X1

UNLESS OTHERWISE SPECIFIED TOLERANCE

Dimension Range	Tolerance
X.X	±0.35
X.XX	±0.25
X.XXX	±0.15
ANGLE	±5°

NAME: USB3.2 Gen3X2/Gen3 (USB4 Gen3X2/Gen3) C,1 Row SMT,Offset 0.075mm,Pipe Shell DIP,Plug

SCALE: NA
UNIT: mm
SIZE: A4
SHEET: 1/2

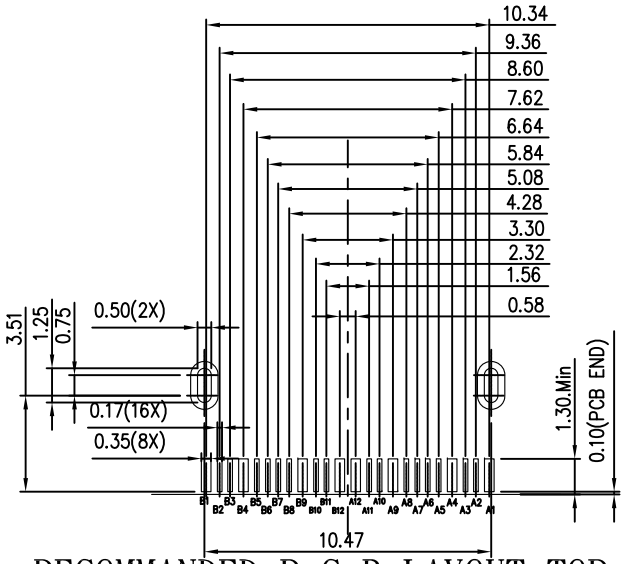
Material/Plated/Notes
Ⓐ SHIELD : STAINLESS STEEL/NICKEL PLATING
Ⓑ HOUSING : HIGH TEMPERTURE PLASTIC
Ⓒ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL,LEAD FREE TIN ALLOY AT TERMINATION.
Ⓓ THROUGH HOLD SHELL: SPCC/NICKEL PLATING

PART NO.: JCN-U4CA-AAAA-XXX1
DOC. NO.: JCN-U4CA-AAAA-XXX1

HF
RoHS
THIS IS A RoHS COMPLIANT COMPONENT/ PRODUCT.

V-GENERAL
TECHNOLOGY
維將科技股份有限公司

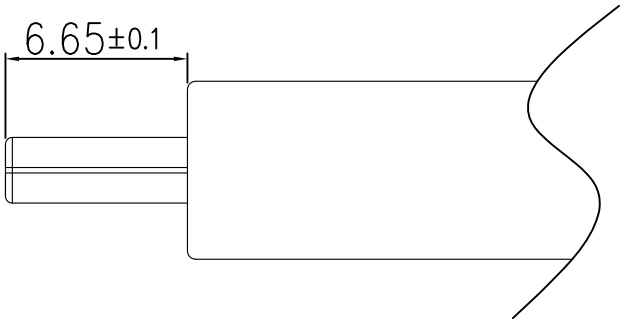
Design drawing



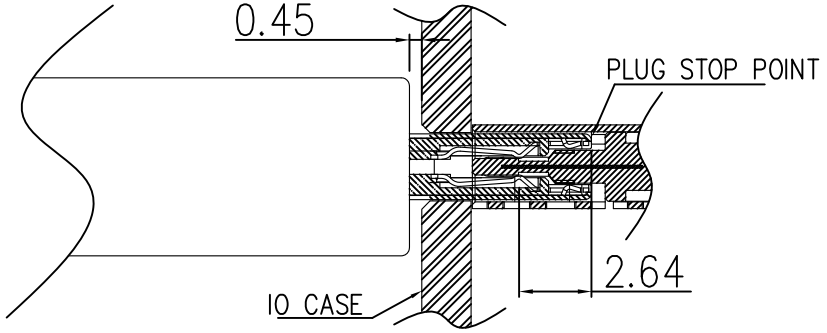
RECOMMANDED P.C.B LAYOUT TOP VIEW

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

△ X0	NEW_DESIGN	DRAWN	MMDDYY'
MARK	REVISION RECORD	DRAWN	121219

CHECKED: Leon
APPROVED: Xavier
REV.: X1

UNLESS OTHERWISE SPECIFIED TOLERANCE

Dimension Range	Tolerance
X.X	±0.35
X.XX	±0.25
X.XXX	±0.15
ANGLE	±5°

NAME: USB3.2 Gen3X2/Gen3 (USB4 Gen3X2/Gen3) C,1 Row SMT,Offset 0.075mm,Pipe Shell DIP,Plug

SCALE: NA
UNIT: mm
SIZE: A4
SHEET: 2/2

Material/Plated/Notes
Ⓐ SHIELD : STAINLESS STEEL/NICKEL PLATING
Ⓑ HOUSING : HIGH TEMPERTURE PLASTIC
Ⓒ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL,LEAD FREE TIN ALLOY AT TERMINATION.
Ⓓ THROUGH HOLD SHELL: SPCC/NICKEL PLATING

PART NO.: JCN-U4CA-AAAA-XXX1
DOC. NO.: JCN-U4CA-AAAA-XXX1

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V-GENERAL
TECHNOLOGY
維將科技股份有限公司

Design drawing