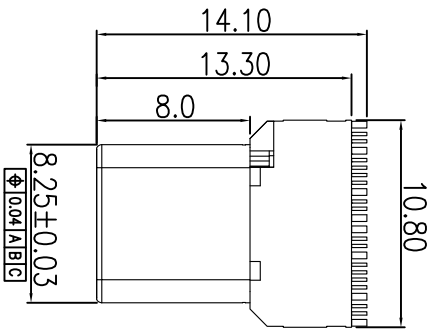


PART NUMBER : JCN-U4CA-BAC-XXX1

Plastic Color:

A=Blue
B=Black

Gold Plating:

G=Gold Flash
A=3u"
B=6u"
C=10u"
D=15u"
E=30u"

Package:
R=Reel
T=Tray
U=Tube

Contact solder tail



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.

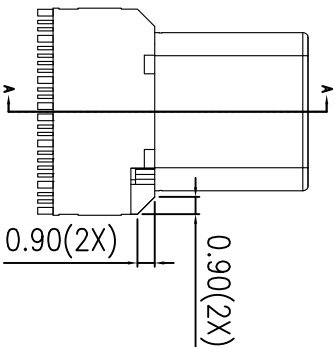
2-4 OPERATING TEMPERATURE RANGE: -20°C TO +85°C

3. DIMENSIONS ARE IN MILLIMETERS, BRACKETED DIMENSIONS ARE INCHES EQUIVALENTS.

4. RECOMMENDED PROCESS: IR REFLOW PEAK TEMPERATURE 260°C

5. THE CONNECTOR IS ROHS COMPLANT AND HALOGEN FREE.

6. WHEN PLUG IS INSERTED INTO CONNECTOR IN WORSE CONDITION, SPRING TIP TOUCH PCB, SO INHIBIT CIRCUIT IN SPRING TIP AREA.



CHECKED

Leon

APPROVED

Xavier

REV.

X1

UNLESS OTHERWISE SPECIFIED TOLERANCE

Dimension Range Tolerance

XX ±0.35

XXX ±0.25

XXX ±0.15

NAME

SCALE

UNIT

SIZE

A4

ANGLE

US&32 Gsm32/Gsm3 (US&4 Gsm32/Gsm3) C1 Row SURF&4et 0.075mm/Plge Shm&4ing

Material/Plated/Notes

①SHIELD : STAINLESS STEEL/NICKEL PLATING

②HOUSING : HIGH TEMPERATURE PLASTIC

③CONTACTS : COPPER ALLOY/NICKEL

④TERMINATED OVERAL L&4EDD FREE TIN

SHEET

1/2

ALLOY AT TERMINATION.

DOC. NO.

JCN-U4CA-BAAC-XXX1

JCN-U4CA-BAAC-XXX1

HF

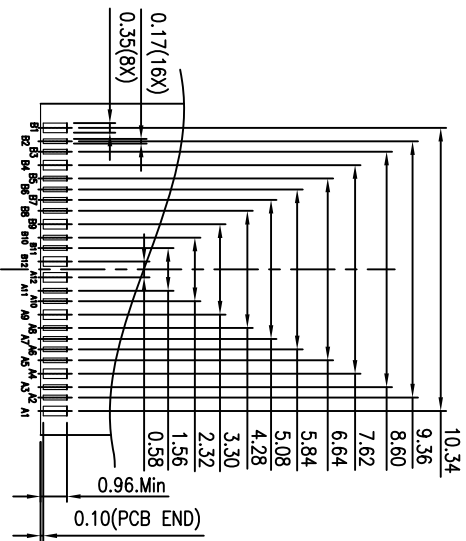
ROHS

THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.

V-GENERAL TECHNOLOGY

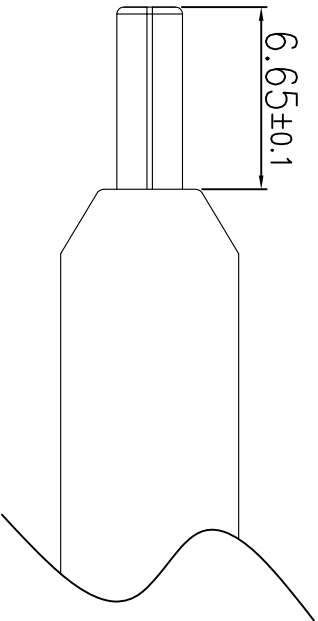
維精科技股份有限公司

Design drawing

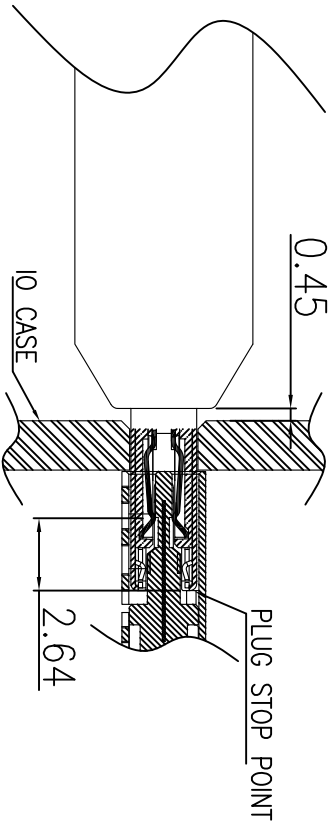


RECOMMENDED P.C.B LAYOUT TOP VIEW
TOLERANCES $\pm 0.05\text{MM}$

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	SPU1	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	SPU2	
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		NAME		UNLESS OTHERWISE SPECIFIED TOLERANCE		SCALE		UNIT		MATERIAL/Plating/Notes		PART NO.		HF		V-GENERAL TECHNOLOGY	
Leon		USB3.2 Gen3x2/Gen3 (USB4 Gen3x2/Gen3) C1 Row SMT, Pin 0.075mm Pitch Shaping Plug				N/A		mm		① SHIELD : STAINLESS STEEL/NICKEL PLATING ② HOUSING : HIGH TEMPERATURE PLASTIC ③ CONTACTS : COPPER ALLOY/NICKEL UNPLATED OVERLAY LEAD FREE TIN ALLOY AT TERMINATION.		JCN-U4CA-BAAC-XXX1		ROHS		V-GENERAL TECHNOLOGY	
APPROVED		Xavier		Dimension Range Tolerance		X.X		X.X		X.XX		X.XX		X.XX		X.XX	
REV.		X1		SIZE		A4		2/2		DOC. NO.		JCN-U4CA-BAAC-XXX1		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.		維將科技股份有限公司	
MARK		NEW DESIGN		DRAWN		MIMDDYV		121219		1		2		3		4	
REVISION RECORD		DRAWN		121219		1		2		3		4		5		Design drawing	