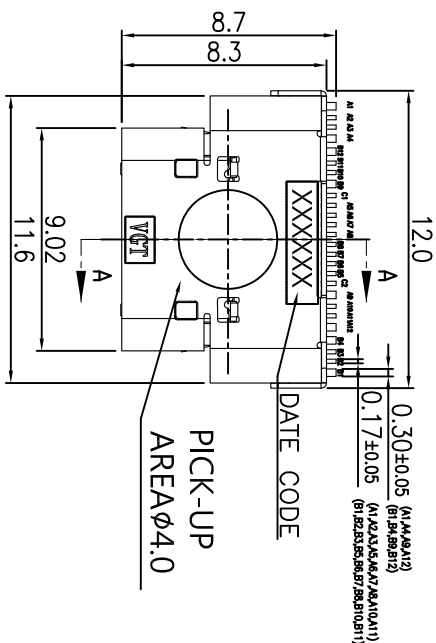


Section A-A



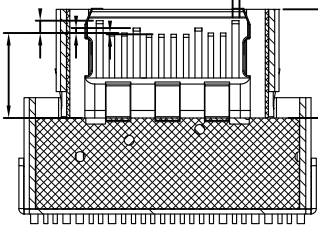
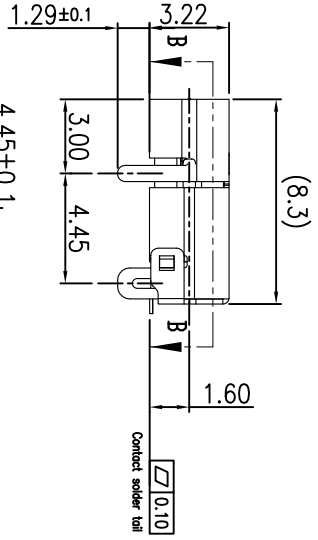
PART NUMBER : JCN-U4CG-UD1B-XXX1

Plastic Color: _____ Package: _____
B=Black R=Taping Reel

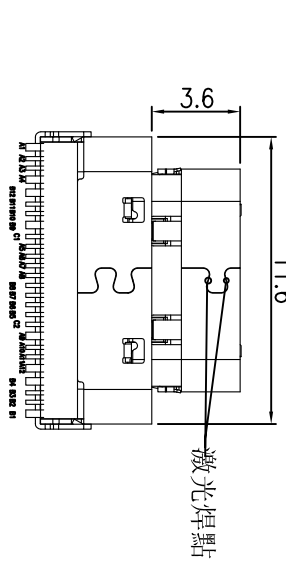
Gold Plating:
G=Gold Flash
A=3u"
B=6u"
C=10u"
D=15u"
E=30u"

NOTES:

- 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 30 MILLIOHMS MAX FOR VBUS AND GND CONTACT,
INITIAL 40 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: 5~20N
2-2 CONNECTOR UNMATING FORCE: 8N~20N INITIAL 6N~20N 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.



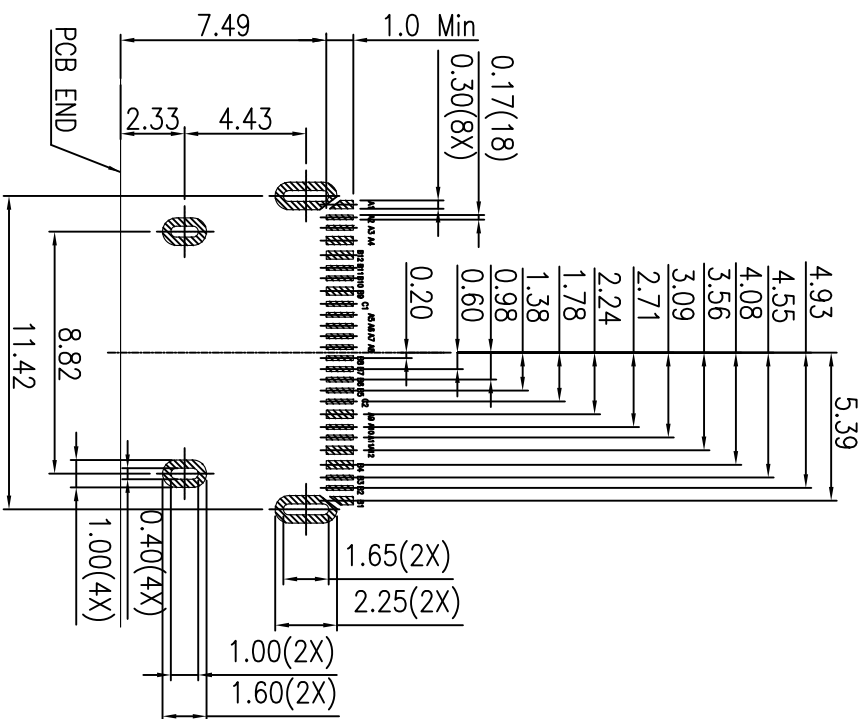
Section B-B



CHECKED		NAME	
Steve		USB4 C, 1 Row SMT/06mm, 1.6mm, Cable detect, Dip Shell/Receptacle	
APPROVED		SCALE	
Marvin		UNIT	
		mm	
		SHEET	
		1/2	
		CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALLED FREE TIN ALLOY AT TERMINATION.	
		PART NO.	
		JCN-U4CG-UD1B-XXX1	
		DOC. NO.	
		JCN-U4CG-UD1B-XXX1	
		HF	
		RoHS	
		V-GENERAL TECHNOLOGY	
		維精科技股份有限公司	

REVISION	REVISION RECORD	DATE	BY
1	NEW DESIGN	STEVE	020323
2	REVISION RECORD	DRAWN	MMDDYY

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-	USB2.0 differential pair
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 (Cable Detect)
B12	GND	Ground for Power Return (Cable Detect)
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	Sideband Use (SBU)
B7	D-	USB2.0 differential pair
B6	D+	USB2.0 differential pair
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
C1	GND	Center shielding Ground pin.
C2	GND	Center shielding Ground pin.

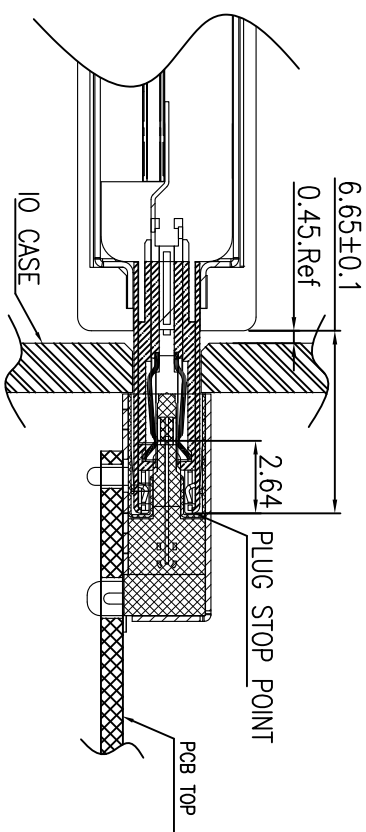


RECOMMEND PCB LAYOUT

TOP VIEW Tolerance:±0.05mm

SOLDER AREA

Tolerance:±0.05mm



PLUG INTO RECEPTACLE REPRESENT

CHECKED		NAME		US94 C.1 Row SMT/Offset 1.6mm, Cable detect, Dip Small/Receptacle		PART NO.		HF		V-GENERAL TECHNOLOGY	
Steve		UNLESS OTHERWISE SPECIFIED TOLERANCE		SCALE		JCN-U4CG-UD1B-XXX1		RoHS		維精科技股份有限公司	
APPROVED		Dimension Range Tolerance		UNIT		JCN-U4CG-UD1B-XXX1		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT		TG	
Marvin		X.X		mm		DOC. NO.					
		±0.35		SHEET		JCN-U4CG-UD1B-XXX1					
		X.XX		2/2							
		X.XXX									
		X.XXX									
ANGLE		±5°									
REV.		SIZE									
		A4									
		2/2									