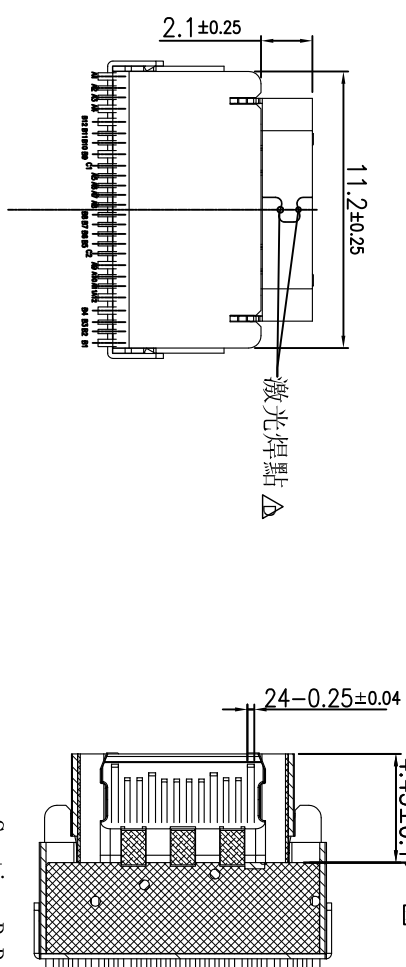
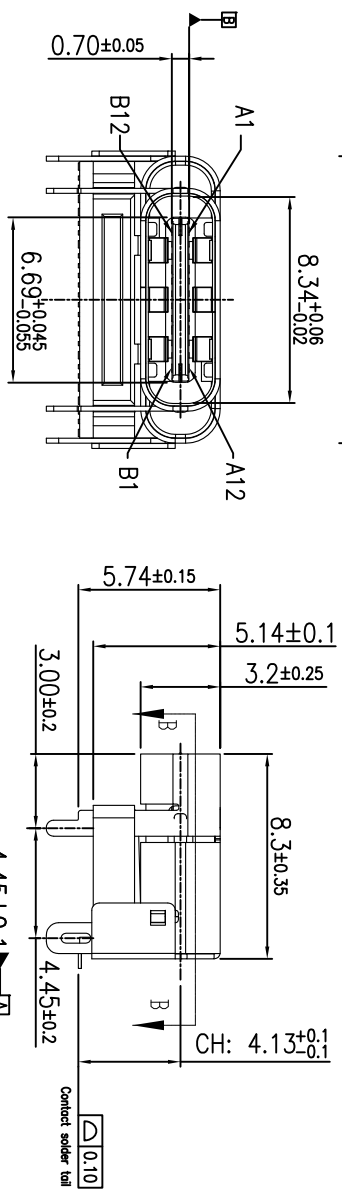
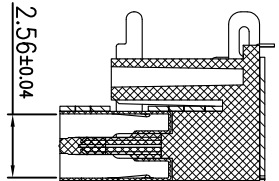
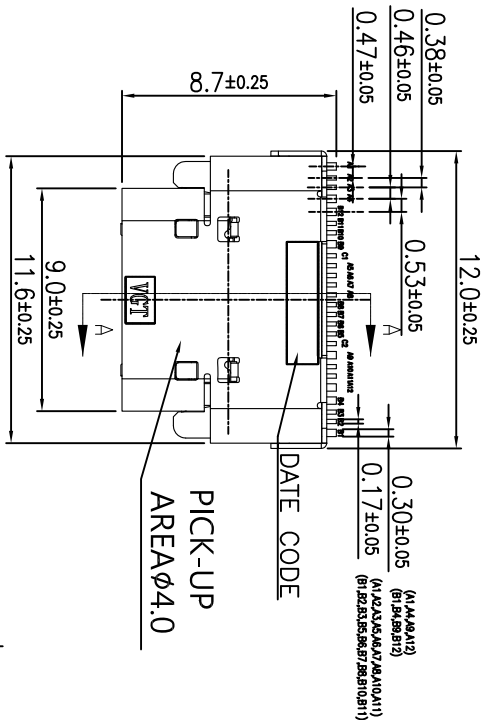


PART NUMBER : JCN-U4CG-UHAR-XXX1

Plastic Color: \_\_\_\_\_ Package: \_\_\_\_\_  
B=Black R=Taping Reel

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

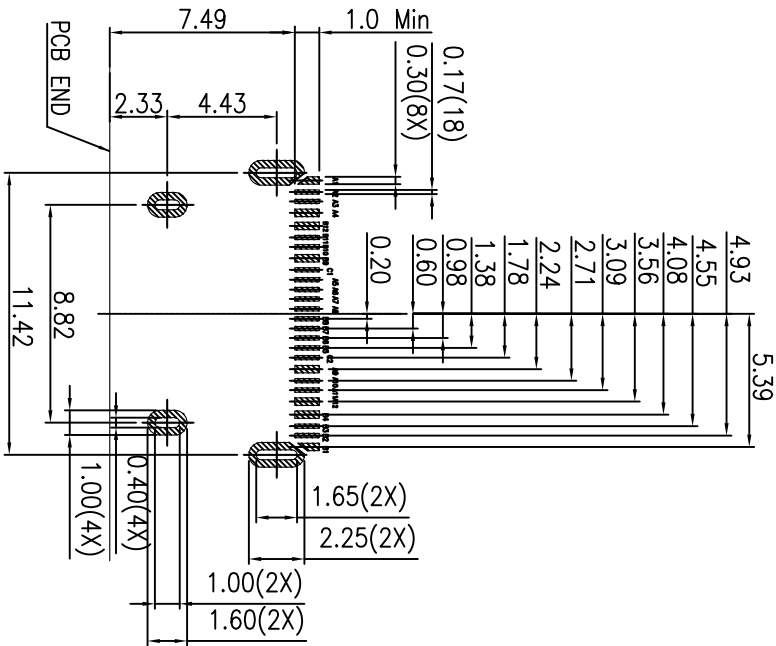
NOTES:

- 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.
- ☒ RoHS2.0 & REACH
- ☒ HF

Section B-B

| CHECKED                              |  | NAME   |  | US94 C1 Row SURF.02net 4.13mmDlp Shell,faceplate                                                                                                                                            |  | PART NO.           |  | HF                                         |  | V-GENERAL TECHNOLOGY |  |
|--------------------------------------|--|--------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|--------------------------------------------|--|----------------------|--|
| Steve                                |  | Marvin |  | Material: PBT/UL94V-0<br>① SHIELD : BRIGH NICKEL PLATING<br>② HOUSING : HIGH TEMPERATURE PLASTIC<br>③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERAL LEAD FREE TIN ALLOY AT TERMINATION. |  | JCN-U4CG-UHAR-XXX1 |  | RoHS                                       |  | 維緒科技股份有限公司           |  |
| UNLESS OTHERWISE SPECIFIED TOLERANCE |  | SCALE  |  | UNIT                                                                                                                                                                                        |  | DOC. NO.           |  | THIS IS A ROHS COMPLIANT COMPONENT PRODUCT |  |                      |  |
| Dimension Range Tolerance            |  | NA     |  | mm                                                                                                                                                                                          |  | JCN-U4CG-UHAR-XXX1 |  |                                            |  |                      |  |
| X.X                                  |  | ±0.35  |  | SHEET                                                                                                                                                                                       |  |                    |  |                                            |  |                      |  |
| X.XX                                 |  | ±0.25  |  | 1/3                                                                                                                                                                                         |  |                    |  |                                            |  |                      |  |
| X.XXX                                |  | ±0.15  |  |                                                                                                                                                                                             |  |                    |  |                                            |  |                      |  |
| ANGLE                                |  | ±5°    |  |                                                                                                                                                                                             |  |                    |  |                                            |  |                      |  |
| REV.                                 |  | SIZE   |  |                                                                                                                                                                                             |  |                    |  |                                            |  |                      |  |
| D                                    |  | A4     |  |                                                                                                                                                                                             |  |                    |  |                                            |  |                      |  |
| REVISION RECORD                      |  | DRAWN  |  |                                                                                                                                                                                             |  |                    |  |                                            |  |                      |  |
| MODIFY                               |  | DRAWN  |  |                                                                                                                                                                                             |  |                    |  |                                            |  |                      |  |
| 增加激光點焊                               |  | 120921 |  |                                                                                                                                                                                             |  |                    |  |                                            |  |                      |  |
| MARK                                 |  | MMDYY' |  |                                                                                                                                                                                             |  |                    |  |                                            |  |                      |  |

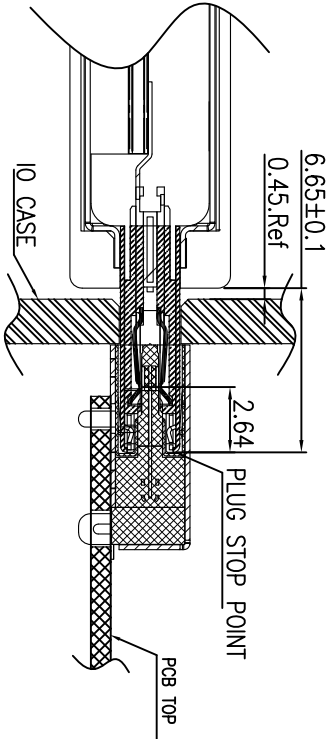
| PIN ASSIGNMENT |             |                                                         |
|----------------|-------------|---------------------------------------------------------|
| Pin Number     | Signal Name | Description                                             |
| A1             | GND         | 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                      |  | USP4 C1 Row SW,Offset 4.13mm,Dig. Shell,Receptacle |  | PART NO.           |  | HF RoHS                                    |  | V-GENERAL TECHNOLOGY |  |
|--------------------------------------|--|---------------------------|--|----------------------------------------------------|--|--------------------|--|--------------------------------------------|--|----------------------|--|
| Steve                                |  | APPROVED                  |  | UNLESS OTHERWISE SPECIFIED TOLERANCE               |  | JCN-U4CG-UHAR-XXX1 |  | THIS IS A ROHS COMPLIANT COMPONENT PRODUCT |  | 維將科技股份有限公司           |  |
| Marvin                               |  | Dimension Range Tolerance |  | SCALE                                              |  | JCN-U4CG-UHAR-XXX1 |  |                                            |  |                      |  |
| REV.                                 |  | X.X                       |  | UNIT                                               |  | DOC. NO.           |  |                                            |  |                      |  |
| X.XX                                 |  | ±0.35                     |  | mm                                                 |  | JCN-U4CG-UHAR-XXX1 |  |                                            |  |                      |  |
| X.XXX                                |  | ±0.25                     |  | mm                                                 |  |                    |  |                                            |  |                      |  |
| X.XXX                                |  | ±0.15                     |  | mm                                                 |  |                    |  |                                            |  |                      |  |
| ANGLE                                |  | ±5°                       |  | mm                                                 |  |                    |  |                                            |  |                      |  |
| SIZE                                 |  | A4                        |  | mm                                                 |  |                    |  |                                            |  |                      |  |
| SHEET                                |  | 2/3                       |  | mm                                                 |  |                    |  |                                            |  |                      |  |
| ② HOUSING : HIGH TEMPERATURE PLASTIC |  |                           |  |                                                    |  |                    |  |                                            |  |                      |  |
| ③ CONTACTS : COPPER ALLOY/NICKEL     |  |                           |  |                                                    |  |                    |  |                                            |  |                      |  |
| UNDERPLATED OVERLEAD FREE TIN        |  |                           |  |                                                    |  |                    |  |                                            |  |                      |  |
| ALLOY AT TERMINATION.                |  |                           |  |                                                    |  |                    |  |                                            |  |                      |  |

|                 |       |        |
|-----------------|-------|--------|
| 增加激光點焊          | DRAWN | 120921 |
| MODIFY          | DRAWN | 092820 |
| REVISION RECORD | DRAWN | MMDDYY |

1

2

3

4

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Design drawing