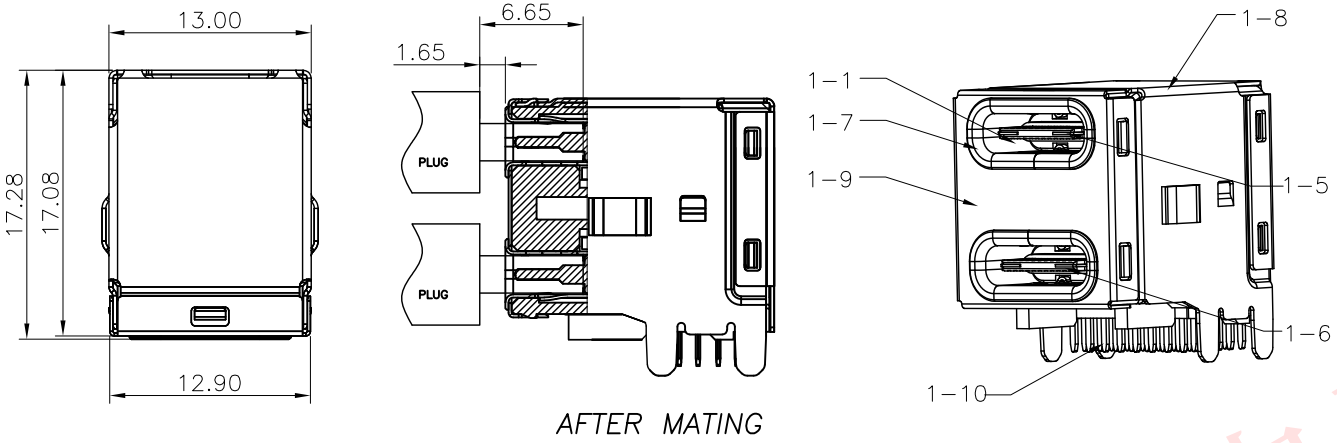
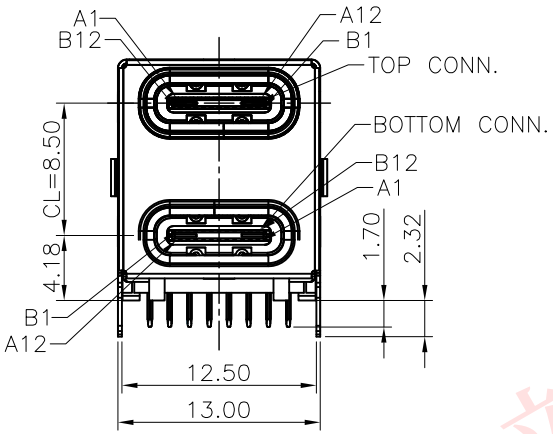
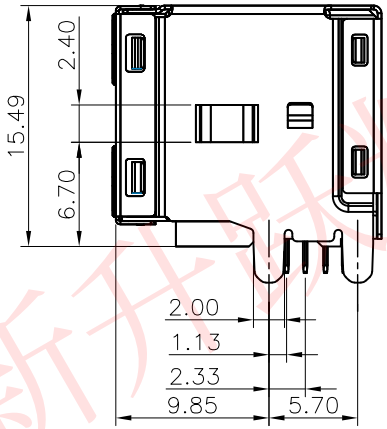
This document is the property of Xinshengyue Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Xinshengyue Corporation without its prior concert&that no right is granted to disclose or to use any information in this document.

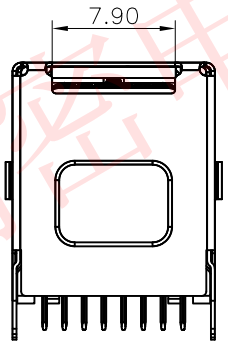
| REV. | ECN NO. | DESCRIPTION | DATE | DESIGN |
|---|---|---|---|---|
| A | ECN NO. | INITIAL RELEASED | 2026.08.11 | JANUS |
| | | | | |

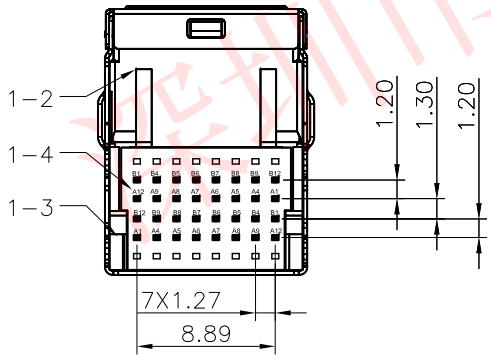
**RoHS & HF Compliant**




NOTE:

1.MATERIAL SPECIFICATION:
- 1-1.TYPE C HOUSING:PA9T/BLACK,UL94 V-0.
- 1-2.MAIN HOUSING:PA9T/BLACK,UL94 V-0.
- 1-3.SPACER:PA9T/BLACK,UL94 V-0.
- 1-4.COVER:LCP/BLACK,UL94 V-0.
- 1-5.TYPE C CONTACTS: COPPER ALLOY(C18150)
- 1-6.MID PLATE: STAINLESS STEEL(SUS301)
- 1-7.TYPE C SHELL: STAINLESS STEEL(SUS304)
- 1-8.TOP SHELL: STAINLESS STEEL(SUS304)
- 1-9.FRONT SHELL: STAINLESS STEEL(SUS304)
- 1-10.SOLDER TAIL TERMINAL: BRASS(C2680)

2.PLATING SPECIFICATION:
- 2-1.TYPE C CONTACTS:
  Ni 50u" MIN. UNDER PLATED OVER ALL.
  (GOLD PLATING THICKNESS FOLLOW THE P/N)
- 2-2.TYPE C SHELL&TOP SHELL&FRONT SHELL:
  Ni 30u" MIN. UNDER PLATED OVER ALL.
- 2-3.MID PLATE:
  Ni 30u" MIN. UNDER PLATED OVER ALL.
- 2-4.SOLDER TAIL TERMINAL:
  100U'' MIN MATTE TIN, 30U''MIN NICKEL OVERALL

3.MECHANICAL PERFORMANCE,
- 3-1.INSERTION FORCE: 0.5~2.0kgf.
- 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
- 3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,
- 4-1. CURRENT RATING:5.0A
  VOLTAGE RATING:48V DC/AC (RMS. MAX)
- 4-2. LLCR:
  VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
  LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
- 4-3.INSULATION RESISTANCE: 100MΩ MIN
- 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:
   OPERATING TEMPERATURE: -25°C~+85°C.
6. WAVE SOLDERING:
   THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 265±3°C.

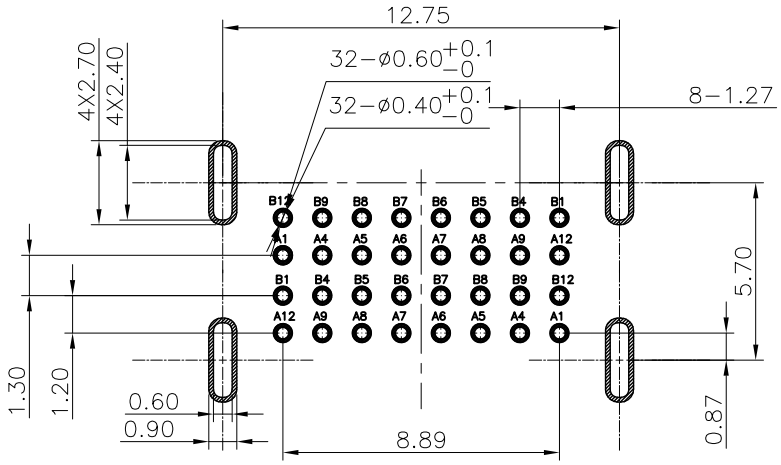
| TOLERANCE | | NAME(INTENDED USE) CUSTOMER DRAWING | XSUA® 深圳市新升跃精密电子有限公司 SHENZHEN XINSHENGYUE PRECISION ELECTRONICS CO., LTD |
|---|---|---|---|
| X.X ±0.30 | X.° ±10° | PART NO. SEE P/N | TITLE: USB TYPE C Receptacle 16PIN 2X1 Shell straight edge |
| .XX ±0.20 | .X° ± 8° | | |
| .XXX ±0.10 | .XX° ± 5° | DESIGN: JANUS | DRAWG NO. C-101051 |
| UNIT | mm | | |
| MATERIAL | --- | CHED: JANUS | SCALE 1:1 / SHEET 1/3 / REV. A |
| FINISH | --- | APPD: ARAY | |

深圳市新升跃精密电子有限公司

This document is the property of Xinshengyue Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Xinshengyue Corporation without its prior concert&that no right is granted to disclose or to use any information in this document.

| REV. | ECN NO. | DESCRIPTION | DATE | DESIGN |
|---|---|---|---|---|
| A | ECN NO. | INITIAL RELEASED | 2026.08.11 | JANUS |
| | | | | |

**RoHS & HF Compliant**




USB CF 16PIN RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 1.6MM;DEFAULT TOLERANCE:±0.05,SCALE 2:1

USB TYPE−C 16 PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|---|---|---|---|
| A1 | GND | B12 | GND |
| | | | |
| | | | |
| A4 | VBUS | B9 | VBUS |
| A5 | CC1 | B8 | SBU2 |
| A6 | Dp1 | B7 | Dn2 |
| A7 | Dn1 | B6 | Dp2 |
| A8 | SBU1 | B5 | CC2 |
| A9 | VBUS | B4 | VBUS |
| | | | |
| | | | |
| A12 | GND | B1 | GND |

P/N: 101051-211101

- BOTTOM CONN. CONTACT PLATED
  1: Au G/F
- TOP CONN. CONTACT PLATED
  1: Au G/F
- PACKAGING
  1: REEL PACKAGING

| TOLERANCE | | NAME(INTENDED USE) CUSTOMER DRAWING | XSUA® 深圳市新升跃精密电子有限公司 SHENZHEN XINSHENGYUE PRECISION ELECTRONICS CO., LTD |
|---|---|---|---|
| X.X ±0.30 | X.° ±10° | PART NO. SEE P/N | TITLE: USB TYPE C Receptacle 16PIN 2X1 Shell straight edge |
| .XX ±0.20 | .X° ± 8° | | |
| .XXX ±0.10 | .XX° ± 5° | | |
| UNIT | mm | DESIGN: JANUS | DRAWG NO. C−101051 |
| MATERIAL | −−− | CHED: JANUS | SCALE 1:1 / SHEET 2/3 / REV. A |
| FINISH | −−− | APPD: ARAY | |

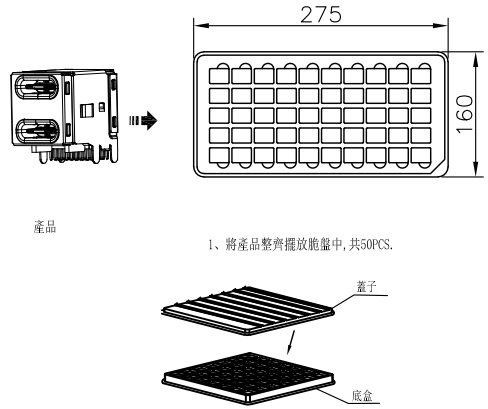
深圳市新升跃精密电子有限公司

This document is the property of Xinshengyue Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Xinshengyue Corporation without its prior concert&that no right is granted to disclose or to use any information in this document.

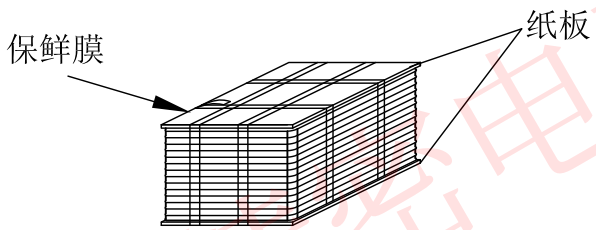
| REV. | ECN NO. | DESCRIPTION | DATE | DESIGN |
|---|---|---|---|---|
| A | ECN NO. | INITIAL RELEASED | 2026.08.11 | JANUS |

**RoHS & HF Compliant**

1-1 将USB TYPE C 母 16P 双层90度 的成品整齐的装入真空盒底盒内.
1-2 每盘真空盒上面必须盖一个盖子，以免产品漏失。
1-3 真空盒材质必须是PET环保材料.
每盘装成品50PCS
备注：

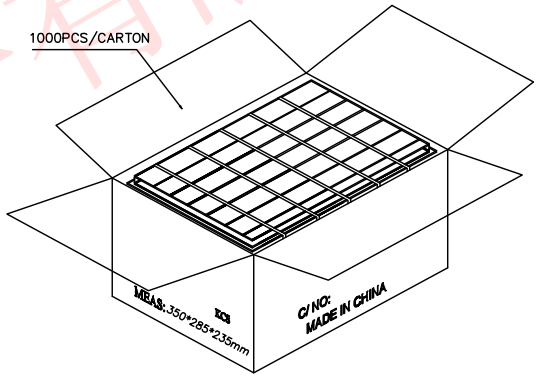



2-1 每箱2扎装，每扎共10盘，用 PE膜将托盘两边缠绕；上下各放一块硬纸板.
每箱的数量小计:2*10*50=1000PCS



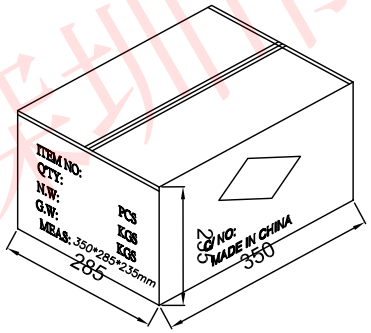

3-1 将1摞成品依次放入纸箱内. 备注:
纸箱规格:350*285*235mm
3-2. 纸箱4个角落用缓冲材料塞好，并盖上与之相配的纸板
3-3. 包装明细：

| 盘/每箱 | PCS/每盘 | PCS/每箱 |
|---|---|---|
| 20盘/每箱 | 50PCS/每盘 | 1000PCS/每箱 |




4-1 纸箱开口处以透明胶带贴合.
4-2 若有未装满的零数箱,必须以缓冲材塞满.

5-1.外标签贴在外箱侧麦左上角，环保标签贴在外标签右上角。




| TOLERANCE | | NAME(INTENDED USE) CUSTOMER DRAWING | XSUA® 深圳市新升跃精密电子有限公司 SHENZHEN XINSHENGYUE PRECISION ELECTRONICS CO., LTD |
|---|---|---|---|
| X.X ±0.30 | X.° ±10° | PART NO. SEE P/N | TITLE: USB TYPE C Receptacle 16PIN 2X1 Shell straight edge |
| .XX ±0.20 | .X° ± 8° | | |
| .XXX ±0.10 | .XX° ± 5° | DESIGN: JANUS | DRAWG NO. C-101051 |
| UNIT | mm | CHED: JANUS | SCALE 1:1 / SHEET 3/3 / REV. A |
| MATERIAL | --- | APPD: ARAY | |
| FINISH | --- | | |

深圳市新升跃精密电子有限公司