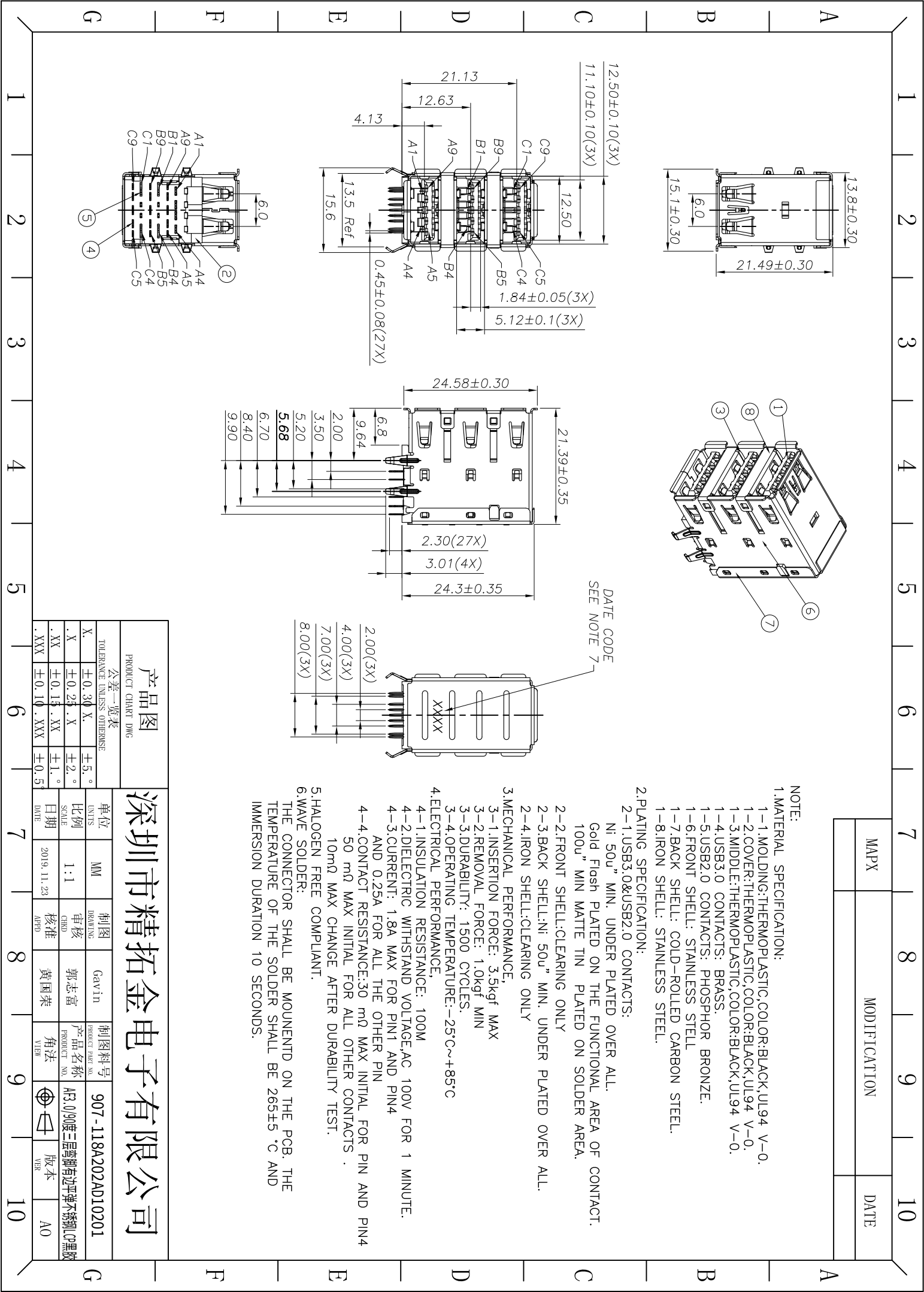




| MAPX |  | MODIFICATION | DATE |
|------|--|--------------|------|
|      |  |              |      |

NOTE:

1.MATERIAL SPECIFICATION:

- 1-1.MOLDING:THERMOPLASTIC,COLOR:BLACK,UL94 V-0.
- 1-2.COVER:THERMOPLASTIC,COLOR:BLACK,UL94 V-0.
- 1-3.MIDDLE:THERMOPLASTIC,COLOR:BLACK,UL94 V-0.
- 1-4.USB3.0 CONTACTS: BRASS.
- 1-5.USB2.0 CONTACTS: PHOSPHOR BRONZE.
- 1-6.FRONT SHELL: STAINLESS STEEL
- 1-7.BACK SHELL: COLD-ROLLED CARBON STEEL.
- 1-8.IRON SHELL: STAINLESS STEEL.

2.PLATING SPECIFICATION:

- 2-1.USB3.0&USB2.0 CONTACTS:  
Ni 50u" MIN. UNDER PLATED OVER ALL.  
Gold Flash PLATED ON THE FUNCTIONAL AREA OF CONTACT.  
100u" MIN MATTE TIN PLATED ON SOLDER AREA.
- 2-2.FRONT SHELL:CLEARING ONLY
- 2-3.BACK SHELL:NI 50u" MIN. UNDER PLATED OVER ALL.
- 2-4.IRON SHELL:CLEARING ONLY

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 3.5kgf MAX
- 3-2.REMOVAL FORCE: 1.0kgf MIN
- 3-3.DURABILITY: 1500 CYCLES.
- 3-4.OPERATING TEMPERATURE:-25°C~+85°C

4.ELECTRICAL PERFORMANCE,

- 4-1.INSULATION RESISTANCE: 100M
- 4-2.DIELECTRIC WITHSTAND VOLTAGE:AC 100V FOR 1 MINUTE.
- 4-3.CURRENT: 1.8A MAX FOR PIN1 AND PIN4 AND 0.25A FOR ALL THE OTHER PIN
- 4-4.CONTACT RESISTANCE:30 mΩ MAX INITIAL FOR PIN AND PIN4  
50 mΩ MAX INITIAL FOR ALL OTHER CONTACTS .  
10mΩ MAX CHANGE AFTER DURABILITY TEST.

5.HALOGEN FREE COMPLANT.

6.WAVE SOLDER:

THE CONNECTOR SHALL BE MOUNENTD ON THE PCB. THE TEMPERATURE OF THE SOLDER SHALL BE 265±5 °C AND IMMERSION DURATION 10 SECONDS.

产品图

PRODUCT CHART DIM

公差一览表

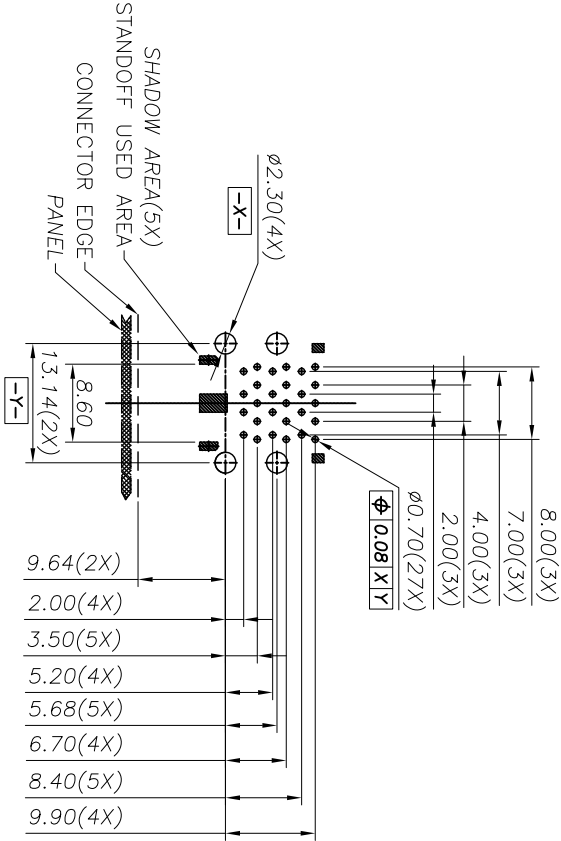
| TOLERANCE UNLESS OTHERWISE |  | 单位          |  | 制图   | 制图料号               |
|----------------------------|--|-------------|--|------|--------------------|
| X.                         |  | ±0.30 X.    |  | MM   | 907-118A202AD10201 |
| X.                         |  | ±0.25° X    |  | 角度   | 产品名称               |
| .XX                        |  | ±0.13° .XX  |  | 比例   | 1:1                |
| .XXX                       |  | ±0.10° .XXX |  | 日期   | 2019.11.23         |
|                            |  |             |  | 审核   | 郭志富                |
|                            |  |             |  | 核准   | 黄国荣                |
|                            |  |             |  | DATE | 2019.11.23         |
|                            |  |             |  | APPD |                    |
|                            |  |             |  | 角法   | 第三角                |
|                            |  |             |  | VER  | 版本                 |
|                            |  |             |  |      | AO                 |

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| MAPX |  | MODIFICATION | DATE |
|------|--|--------------|------|
|      |  |              |      |

PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | DESCRIPTION                               |
|------------|-------------|-------------------------------------------|
| A1&B1&C1   | VBUS        | POWER                                     |
| A2&B2&C2   | D-          | USB 2.0 DIFFERENTIAL PAIR                 |
| A3&B3&C3   | D+          |                                           |
| A4&B4&C4   | GND         | GROUND FOR POWER RETURN                   |
| A5&B5&C5   | Stda-SSR-   | SUPER-SPEED RECEIVER DIFFERENTIAL PAIR    |
| A6&B6&C6   | Stda-SSR+   |                                           |
| A7&B7&C7   | GND-DRAIN   | GROUND FOR SIGNAL RETURN                  |
| A8&B8&C8   | Stda-SST-   | SUPER-SPEED TRANSMITTER DIFFERENTIAL PAIR |
| A9&B9&C9   | Stda-SST+   |                                           |
| SHELL      | SHIELD      | CONNECTOR METAL SHELL                     |



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 1.60±0.10mm; DEFAULT TOLERANCE: ±0.05

|     |                 |      |                          |                                                                                                                               |
|-----|-----------------|------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 8   | IRON SHELL      | 1    | STAINLESS STEEL          | CLEARING ONLY                                                                                                                 |
| 7   | BACK SHELL      | 1    | COLD-ROLLED CARBON STEEL | Ni 50u" MIN. UNDER PLATED OVER ALL.                                                                                           |
| 6   | FRONT SHELL     | 1    | STAINLESS STEEL          | 50u" MIN TIN PLATED ON SOLDER AREA.                                                                                           |
| 5   | USB3.0 CONTACTS | 15   | BRASS                    | Ni 50u" MIN. UNDER PLATED OVER ALL.<br>Gold PLATED ON THE FUNCTIONAL AREA OF CONTACT.<br>100u" MIN TIN PLATED ON SOLDER AREA. |
| 4   | USB2.0 CONTACTS | 12   | PHOSPHOR BRONZE          | Ni 50u" MIN. UNDER PLATED OVER ALL.<br>Gold PLATED ON THE FUNCTIONAL AREA OF CONTACT.<br>100u" MIN TIN PLATED ON SOLDER AREA. |
| 3   | MIDDLE          | 2    | LCP,U194 VO              | MOLDED COLOR: BLACK.                                                                                                          |
| 2   | COVER           | 1    | LCP,U194 VO              | MOLDED COLOR: BLACK.                                                                                                          |
| 1   | MOLDING         | 3    | LCP,U194 VO              | MOLDED COLOR: BLACK.                                                                                                          |
| NO. | DESCRIPTION     | QTY. | MATERIAL                 | TREATMENT                                                                                                                     |

| 产品图                        |  | 单位          |  | 制图         | 制图料号               |
|----------------------------|--|-------------|--|------------|--------------------|
| 公差一览表                      |  | MM          |  | GAVIN      | 907-118A202AD10201 |
| TOLERANCE UNLESS OTHERWISE |  | UNITS       |  | DRAWING    | PRODUCT NAME       |
| X.                         |  | ±0.30 X.    |  | 审核         | 产品名称               |
| .X                         |  | ±0.25 . X   |  | 比例         | PRODUCT NO.        |
| .XX                        |  | ±0.13 . XX  |  | 日期         | 角法                 |
| .XXX                       |  | ±0.10 . XXX |  | DATE       | VER                |
|                            |  | ±0.5        |  | 2019.11.23 | AO                 |
|                            |  | ±0.5        |  | 核准         |                    |
|                            |  | ±0.5        |  | APPD       |                    |

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