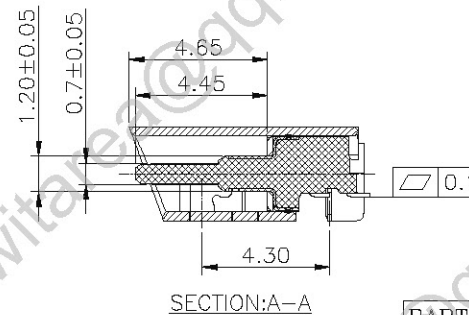
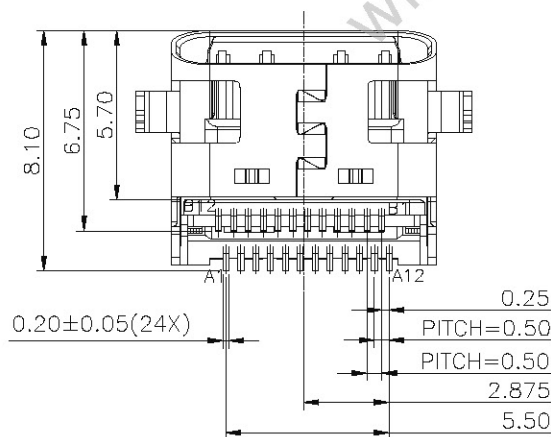
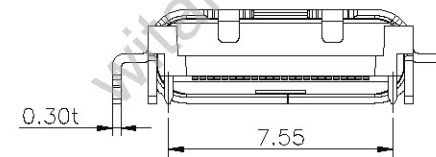
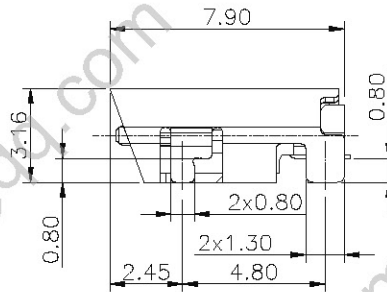
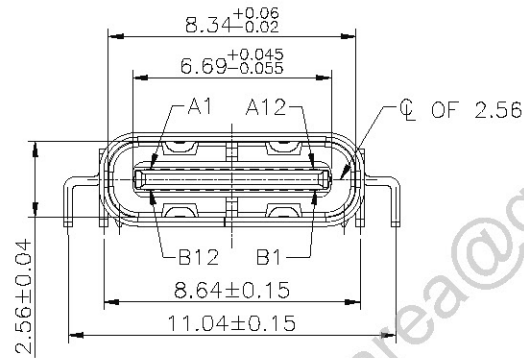
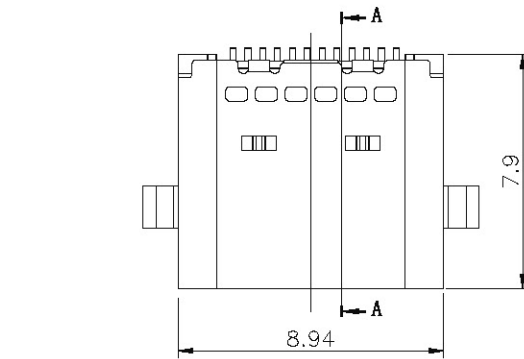
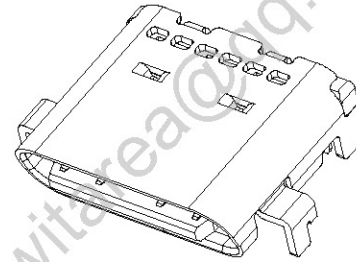




| REV | ECN No. | DATE       | REMARK      |
|-----|---------|------------|-------------|
| A   | NEW     | 2016.03.04 | NEW RELEASE |
| B   |         | 2021.11.25 | 升级改良塑胶成型工艺  |

## NOTE:

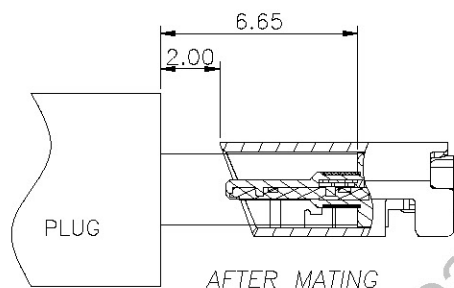
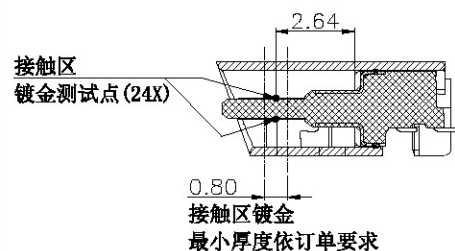
- 1.MATERIAL SPECIFICATION:
  - 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
  - 2.CONTACTS: COPPER ALLOY
  - 3.MID PLATE: STAINLESS STEEL
  - 4.FRONT SHELL: STAINLESS STEEL
  - 5.EMI PLATE: STAINLESS STEEL
- 2.PLATING SPECIFICATION:
  - 2-1.CONTACTS:  
Ni 50u" MIN. UNDER PLATED OVER ALL.  
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.  
(GOLD PLATING THICKNESS FOLLOW THE P/N)  
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
  - 2-2.FRONT SHELL:  
Ni 30u" MIN. UNDER PLATED OVER ALL.
  - 2-3.MID PLATE:  
Ni 30u" MIN. UNDER PLATED OVER ALL.  
Sn 80u"MIN. PLATED OVER ALL
  - 2-4.EMI PLATE:  
CLEAR ONLY
- 3.MECHANICAL PERFORMANCE,
  - 3-1.INSERTION FORCE: 0.6~2.0kgf.
  - 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
  - 3-3.DURABILITY: 10000 CYCLES.
- 4.ELECTRICAL PERFORMANCE,
  - 4-1. CURRENT RATING:5.0A  
VOLTAGE RATING:5.0V
  - 4-2. LLCR:  
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.  
SHIELD: 50mΩ/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.IR REFLOW:  
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.



PART NO.:  
SEE THE PART NUMBER CODE

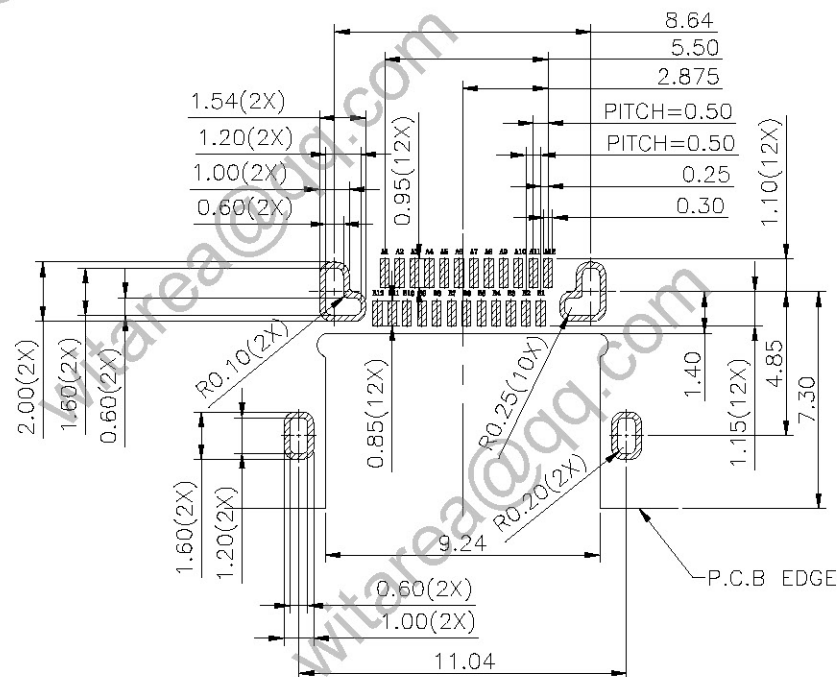
| QUALITY SYMBOL | GENERAL TOLERANCES (UNLESS SPECIFIED) |
|----------------|---------------------------------------|
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| 0              | ± 0.25                                |
| 0              | ± 0.30                                |
| 0              | ± 0.40                                |
| 0              | ± 0.50                                |
| 0              | ± 0.60                                |
| 0              | ± 0.70                                |
| 0              | ± 0.80                                |
| 0              | ± 0.90                                |
| 0              | ± 1.00                                |
| 0              | ± 1.20                                |
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电镀测点图



## USB TYPE-C PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A2         | SSTXp1      | B11        | SSRXp1      |
| A3         | SSTXn1      | B10        | SSRXn1      |
| A4         | VBUS        | B9         | VBUS        |
| A5         | CC1         | B8         | SBU2        |
| A6         | Dp1         | B7         | Dn2         |
| A7         | Dn1         | B6         | Dp2         |
| A8         | SBU1        | B5         | CC2         |
| A9         | VBUS        | B4         | VBUS        |
| A10        | SSRXn2      | B3         | SSTXn2      |
| A11        | SSRXp2      | B2         | SSTXp2      |
| A12        | GND         | B1         | GND         |



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.60MM;DEFAULT TOLERANCE:±0.05

|                                             |                                          |        |                                                                                                   |  |                        |                           |                                                                                                                 |
|---------------------------------------------|------------------------------------------|--------|---------------------------------------------------------------------------------------------------|--|------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------|
| QUALITY SYMBOL<br><br>= 0<br>▽ = 0<br>▲ = 0 | PART NO.:<br>SEE THE PART NUMBER CODE    |        | 深圳市纬域科技有限公司<br>SHENZHEN WITAREA TECHNOLOGY CO.,LTD                                                |  |                        | DRAWN BY<br>ANDY YANG     | DATE<br>2021.11.25                                                                                              |
|                                             | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |        | TITLE<br>TYPE C 3.1/3.2 24PIN RECEPTACLE , MID-MOUNT,<br>DUAL ROW SMT, PROFILE, CH=0.78MM,L=7.9MM |  |                        | CHECKED BY<br>JAMES XIAD  | DATE<br>2021.11.25                                                                                              |
|                                             |                                          |        | DWG.NO.<br>W0026-24-MM1-S3                                                                        |  | SHEET NO.<br>2 OF 2    | APPROVED BY<br>JASON ZENG | DATE<br>2021.11.25                                                                                              |
|                                             |                                          |        | DIMENSION STYLE<br>MM ONLY                                                                        |  | DESIGN UNITS<br>METRIC | SCALE<br>1:1              |  THIRD ANGLE<br>PROJECTION |
|                                             |                                          |        |                                                                                                   |  |                        |                           |                                                                                                                 |
|                                             | x.xxxx                                   | ± ---  |                                                                                                   |  |                        |                           |                                                                                                                 |
|                                             | x.xxx                                    | ± 0.10 |                                                                                                   |  |                        |                           |                                                                                                                 |
| x.xx                                        | ± 0.25                                   |        |                                                                                                   |  |                        |                           |                                                                                                                 |
| x.x                                         | ± 0.30                                   |        |                                                                                                   |  |                        |                           |                                                                                                                 |
| ANGULAR                                     | ± --°                                    |        |                                                                                                   |  |                        |                           |                                                                                                                 |