

| REV | ECN No. | DATE       | REMARK      |
|-----|---------|------------|-------------|
| A0  | NEW     | 2018.03.05 | NEW RELEASE |

# NOTE:

- MATERIAL SPECIFICATION:
  - HOUSING:LCP\_BLACK,UL94 V-0.
  - CONTACTS:COPPER ALLOY(C1814)
  - MID PLATE: STAINLESS STEEL(SUS301)
  - FRONT SHELL: STAINLESS STEEL(SUS304)
  - COVER: STAINLESS STEEL(SUS304)
- PLATING SPECIFICATION:
  - 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
  - FRONT SHELL & COVER:
 

Ni 30u" MIN. UNDER PLATED OVER ALL.
  - MID PLATE:
 

CLEAR ONLY
- MECHANICAL PERFORMANCE,
  - INSERTION FORCE: 0.5~2.0kgf.
  - REMOVAL FORCE: 0.8kgf~2.0kgf.
  - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE,
  - CURRENT RATING:3.0A  
VOLTAGE RATING:5.0V
  - LLCR:
 

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.

SHIELD: 50mΩ/MAX.

LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
  - INSULATION RESISTANCE: 100MΩ MIN
  - DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
- ENVIRONMENTAL PERFORMANCE:
 

OPERATING TEMPERATURE: -25°C~+85°C.
- IR REFLOW:
 

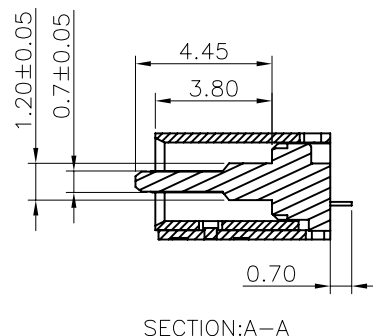
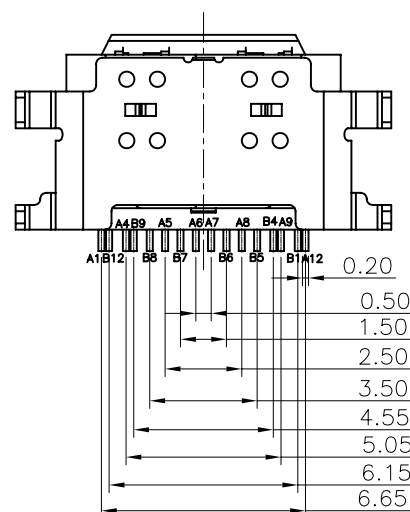
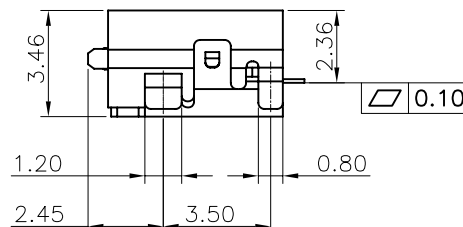
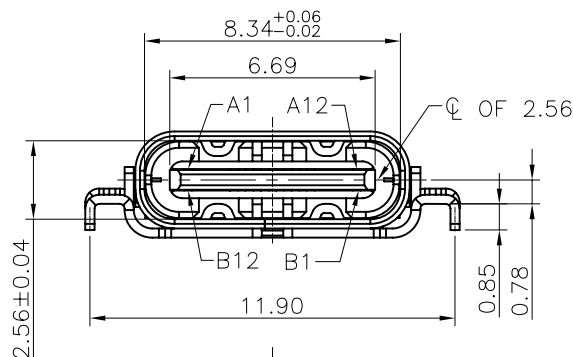
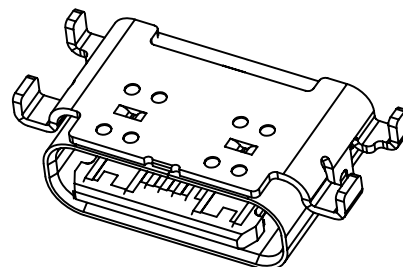
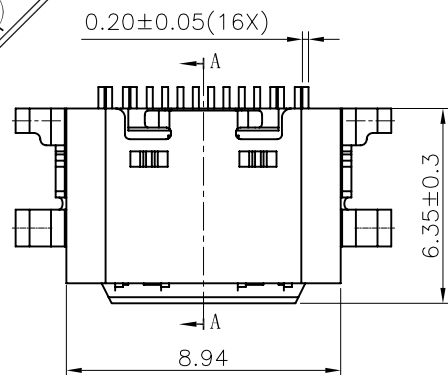
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

# 7. PART NUMBER CODE:

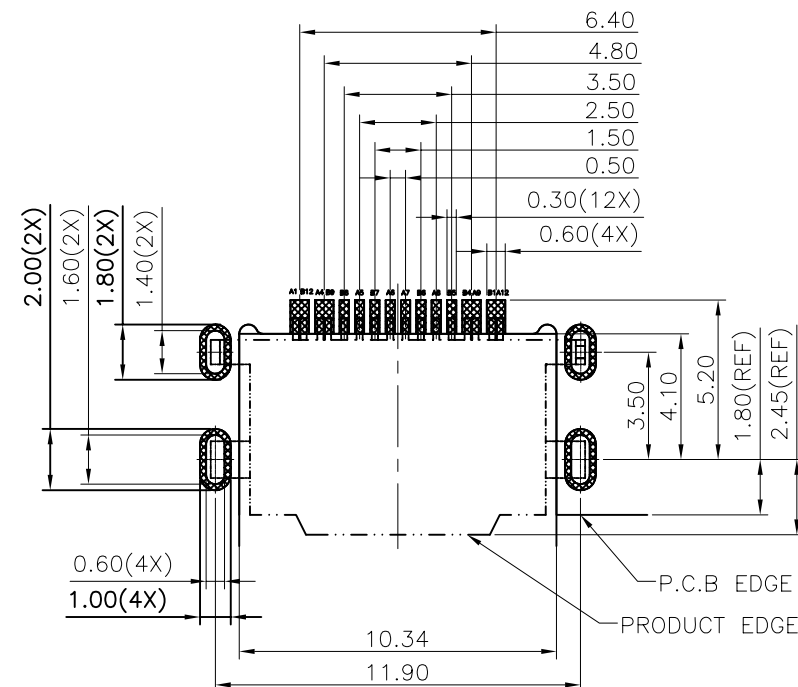
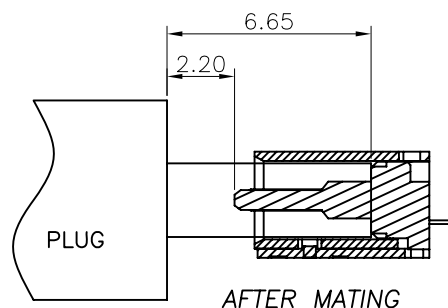
C F 105 - 16 L X XX R - 01  
① ②

- ① HOUSING:  
B:BLACK
- ② CONTACTS PLATED:  
12:接触镀金3u"焊接区域镀金1u"

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |                                                                                                                                        |                                                |                            |              |                        |             |              |                     |                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------|--------------|------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------|--|
| MATERIAL NO.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO<br>ZDT TECHNOLOGY, AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION          |                                                |                            |              |                        |             |              |                     |                                                                                                                 |  |
| SEE THE TABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |  深圳市中兴兴达科技有限公司<br>SHENZHEN ZDT TECHNOLOGY CO.,LTD |                                                |                            | DRAWN BY     |                        | DATE        |              |                     |                                                                                                                 |  |
| REVIEW TABLE FOR DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                                                                                                                                        |                                                |                            | SAM          |                        | 2018.01.05  |              |                     |                                                                                                                 |  |
| QUALITY SYMBOL<br><br><br><br><br><br> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                                                                                                                        | TITLE                                          |                            |              | CHECKED BY             |             | DATE         |                     |                                                                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X.XXXXX                                  |                                                                                                                                        | USB CF 16PIN (L=6.35) MID MOUNT 0.8 WITH COVER |                            |              | JAY                    |             | 2018.01.05   |                     |                                                                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X.XXX                                    |                                                                                                                                        |                                                |                            |              | APPROVED BY            |             | DATE         |                     |                                                                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X.XX                                     |                                                                                                                                        |                                                |                            |              | JACKY                  |             | 2018.01.05   |                     |                                                                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X.X                                      |                                                                                                                                        |                                                |                            |              |                        |             |              |                     |                                                                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ANGULAR                                  |                                                                                                                                        | ---                                            |                            | DOCUMENT NO. |                        | CF105-16-01 |              | SHEET NO.<br>1 OF 3 |                                                                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |                                                                                                                                        |                                                | DIMENSION STYLE<br>MM ONLY |              | DESIGN UNITS<br>METRIC |             | SCALE<br>5:1 |                     |  THIRD ANGLE<br>PROJECTION |  |



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#### USB TYPE-C PIN ASSIGNMENTS

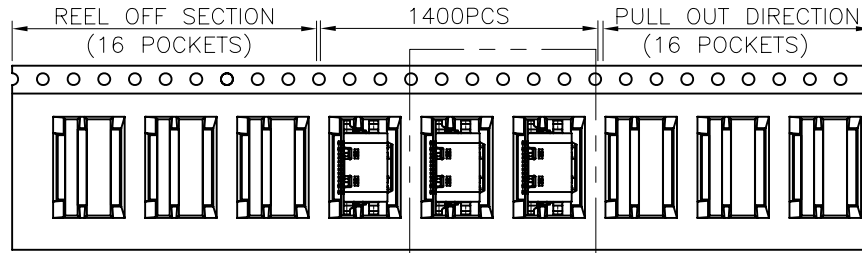
| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A4         | VBUS        | B9         | VBUS        |
| A5         | CC1         | B8         | SBU2        |
| A6         | Dp1  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

RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

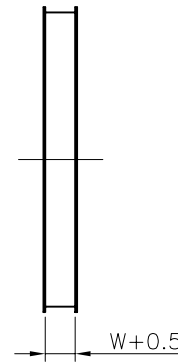
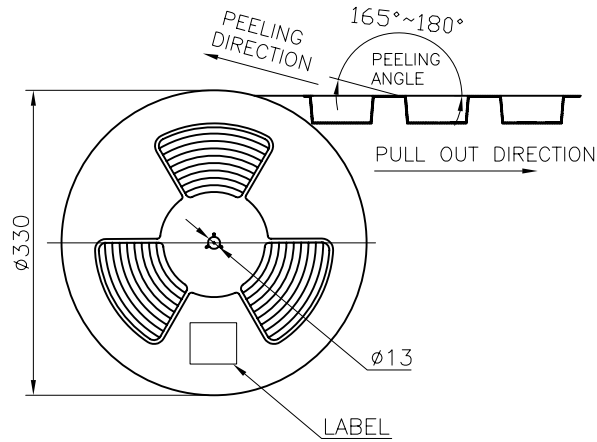
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                                                                                                                                         |                                                |          |                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------|
| MATERIAL NO.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO<br>ZDT TECHNOLOGY. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION           |                                                |          |                                                                                                                 |
| SEE THE TABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |  深圳市中兴兴达科技有限公司<br>SHENZHEN ZDT TECHNOLOGY CO., LTD |                                                | DRAWN BY | DATE                                                                                                            |
| REVIEW TABLE FOR DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |                                                                                                                                         |                                                | SAM      | 2018.01.05                                                                                                      |
| QUALITY SYMBOL<br>= 0<br><br>= 0<br><br>= 0<br><br>= 0<br><br>= 0<br><br>= 0<br> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                                                                                                                         | TITLE                                          |          |                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                                                                                                                                         | USB CF 16PIN (L=6.35) MID MOUNT 0.8 WITH COVER |          |                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | X.XXXX                                   | ± ---                                                                                                                                   | DOCUMENT NO.                                   |          |                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | X.XXX                                    | ± 0.10                                                                                                                                  | CF105-16-01                                    |          |                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | X.XX                                     | ± 0.25                                                                                                                                  | SHEET NO.                                      |          |                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | X.X                                      | ± 0.30                                                                                                                                  | 2 OF 3                                         |          |                                                                                                                 |
| ANGULAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          | ± --°                                                                                                                                   | APPROVED BY                                    |          |                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                                                                                                                                         | JACKY                                          |          |                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                                                                                                                                         | DATE                                           |          |                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                                                                                                                                         | 2018.01.05                                     |          |                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          | DIMENSION STYLE                                                                                                                         | DESIGN UNITS                                   | SCALE    |  THIRD ANGLE<br>PROJECTION |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          | MM ONLY                                                                                                                                 | METRIC                                         | 5:1      |                                                                                                                 |

frame size: A4

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SEE DETAIL X

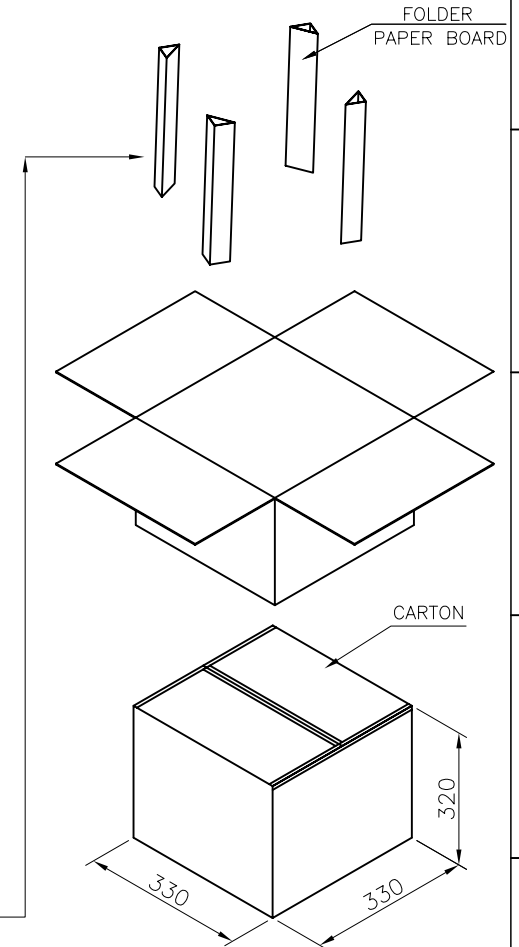


PAPER BOARD

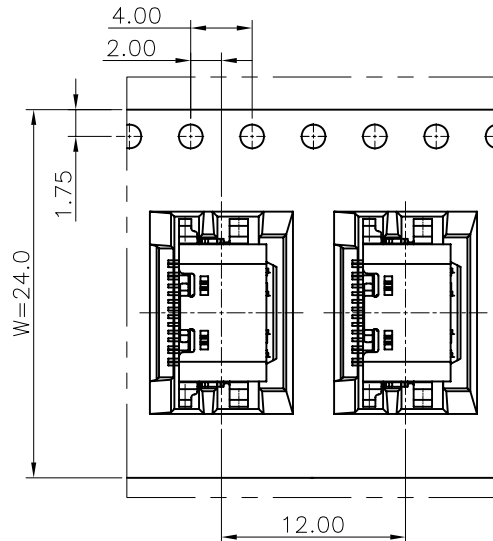
REEL AND TAPE

REEL AND TAPE

PAPER BOARD



REEL OFF DIRECTION



PULL OUT DIRECTION

|                 | REEL | CARTON |
|-----------------|------|--------|
| CONNECTOR (PCS) | 1400 | 14000  |

MATERIAL NO.:

SEE THE TABLE

REVIEW TABLE FOR DETAILS

| QUALITY SYMBOL | GENERAL TOLERANCES (UNLESS SPECIFIED) |
|----------------|---------------------------------------|
| 0              | ± ---                                 |
| 0.1            | ± 0.10                                |
| 0.25           | ± 0.25                                |
| 0.30           | ± 0.30                                |
| ANGULAR        | ± ---°                                |

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**ZDT** 深圳市中科兴达科技有限公司  
SHENZHEN ZDT TECHNOLOGY CO., LTD

TITLE  
USB CF 16PIN (L=6.35) MID MOUNT 0.8 WITH COVER

DOCUMENT NO.  
CF105-16-01

SHEET NO.  
3 OF 3

DRAWN BY  
SAM

DATE  
2018.01.05

CHECKED BY  
JAY

DATE  
2018.01.05

APPROVED BY  
JACKY

DATE  
2018.01.05

SCALE  
5:1

THIRD ANGLE PROJECTION

frame size: A4