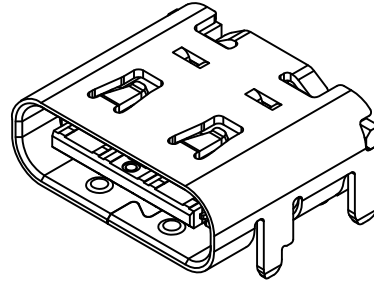
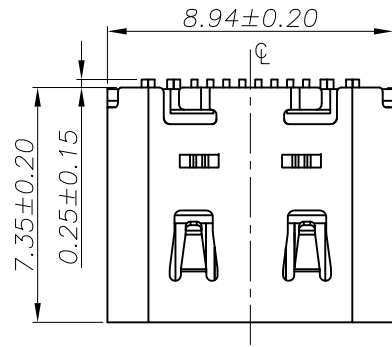


HSF Compliant

| REV. | ECN NO. | DESCRIPTION | DRAW | CHECK  | APPD.  | DATE     |
|------|---------|-------------|------|--------|--------|----------|
| A0   | —       | 新版发行        | HL.W | BENDEE | BENDEE | 21-04-02 |
|      |         |             |      |        |        |          |



| 料号备注 |   |   |     |   |    |   |    |    |    |
|------|---|---|-----|---|----|---|----|----|----|
| CT   | 3 | F | 127 | M | XX | R | XX | XX | XX |

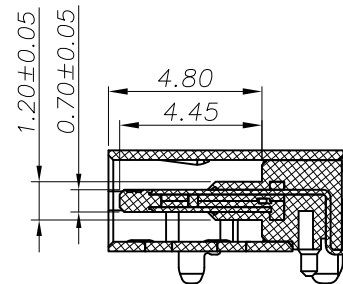
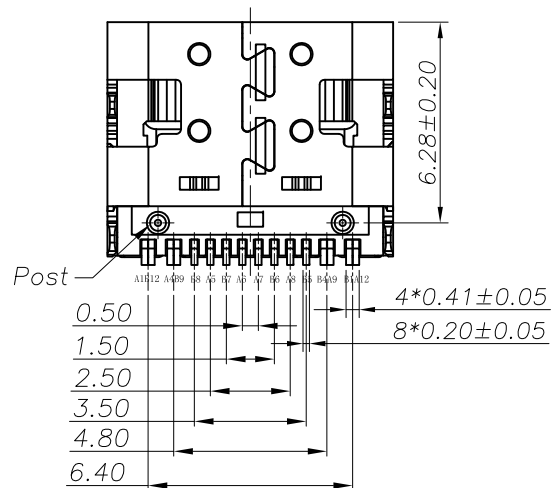
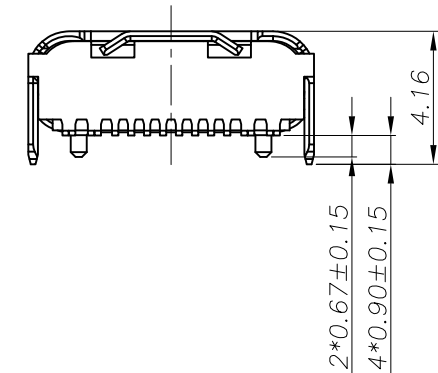
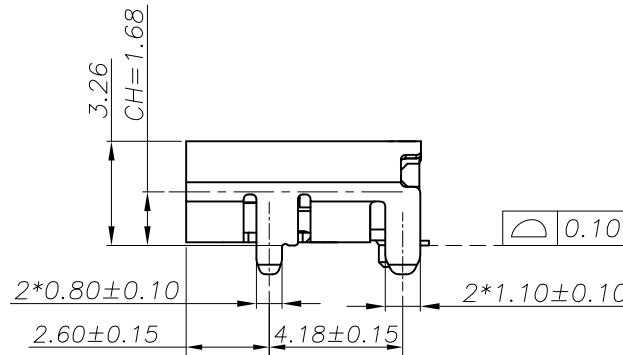
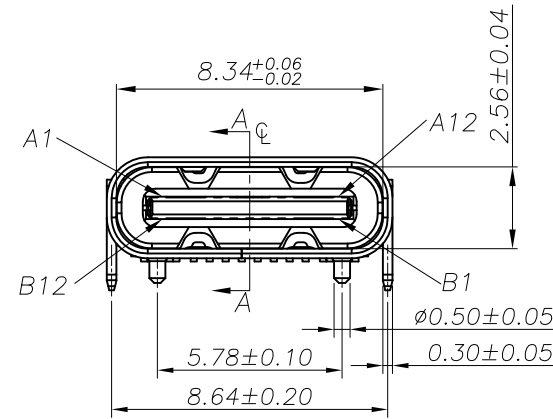
R=PACK-R0xxx

53=接触区1U"  
54=接触区3U"  
55=接触区5U"  
56=接触区15U"  
57=接触区30U"

00=LCP黑不锈  
钢壳镀镍  
01=PA9T黑不锈  
钢壳镀镍

R=ROHS2.0标准  
W=无卤+ROHS2.0  
H=REACH标准

B=盐雾24H  
C=盐雾48H



SECTION A-A

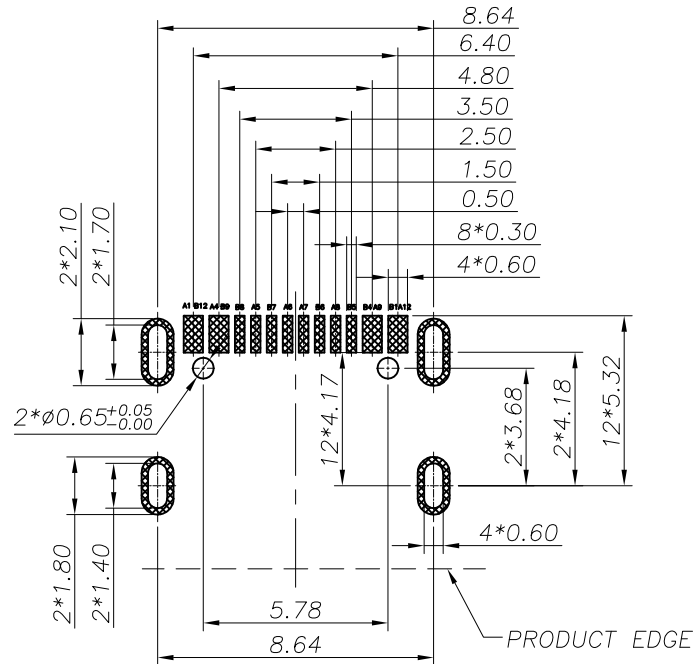


东莞市兴科杰鑫电子有限公司  
Dong Guan XingKeJieXin Electronics Co.,Ltd

| UNLESS OTHERWISE SPECIFIED TOLERANCES |             | APPROVAL            | 日期         | 品名规格  | TYPE C 单排SMT 16pin 板上 H3.26 CH1.68 L7.35(带弹) |       |
|---------------------------------------|-------------|---------------------|------------|-------|----------------------------------------------|-------|
| X. +/-                                | METRIC 0.38 | 制图 HL.W             | 2021.04.02 | 审核    | SEE TABLE                                    |       |
| .X +/-                                | 0.30        | 核准                  |            | 核准    |                                              |       |
| .XX +/-                               | 0.25        | 文件位置                |            | 料号    | DWG-CTCF-127                                 |       |
| FRACTIONS +/-                         | 2.00'       | ANGLE OF PROJECTION |            | 字库    |                                              |       |
| ANGLES +/-                            |             |                     |            | 工程图号: | A0                                           |       |
| DIMENSIONS                            |             |                     |            | 版本:   |                                              |       |
| (METRIC)                              | (MM)        |                     |            | 比例    | 1 : 1                                        | 状态码 A |
|                                       |             |                     |            | 页数    | 1                                            | OF 2  |

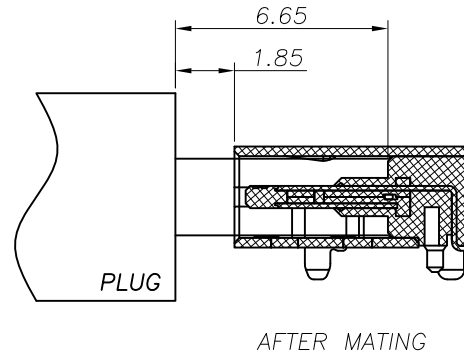
HSF Compliant

| REV. | ECN NO. | DESCRIPTION | DRAW | CHECK  | APPD.  | DATE     |
|------|---------|-------------|------|--------|--------|----------|
| A0   | —       | 新版发行        | HL.W | BENDEE | BENDEE | 21-04-02 |
|      |         |             |      |        |        |          |



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05



## Specifications:

## 1.0 Electrical performance:

1.1 Contact resistance: 40mΩ max for initial.  
10mΩ change after test. measure at 20mv,  
100mA.

1.2 Dielectric withstanding voltage:AC 100V(rms).

1.3 Insulation resistance:100MΩ min.

## 1.4 Contact current rating:

3A for Vbus pin;1.25A for Vconn and GND  
pin;0.25A for all the other pin.

## 2.0 mechanical performance:

2.1 Mating force:5~20N

2.2 Unmating force:8~20N Initial test,  
6~20N After test

2.3 Durability:10,000 cycles.

## 3.0 Environmental performance:

3.1 Temperature range:

3.2 Operating temperature:−25°to+85°.

3.3 Storage temperature:−20°to+60°.

## 4.0 Material:

4.1 Housing:LCP&PA Black(HF),UL94−V0.

4.2 Contact:C7025,T=0.15mm

4.3 Mid-plate: SUS301,T=0.15mm

4.4 Shell:SUS304 T=0.30mm

## 5.0 Plating specification:

5.1 Contact:Au(see table) plated on contact area,  
Gold flash plated on solder

area; Nickel 50u"min underplating over all.

5.2 Shell: Nickel 30u"min plating over all.

## 料号备注

CT 3 F 127 M XX R XX XX XX

R=PACK-R0xxx

53=接触区1U"

54=接触区3U"

55=接触区5U"

56=接触区15U"

57=接触区30U"

00=LCP黑不锈

钢壳镀镍

01=PA9T黑不锈

钢壳镀镍

R=ROHS2.0标准

W=无卤+ROHS2.0

H=REACH标准

B=盐雾24H

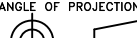
C=盐雾48H

## 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         |



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Dong Guan XingKeJieXin Electronics Co.,Ltd

|                                          |      |                                                                                       |                     |            |          |                                                 |                           |   |    |               |
|------------------------------------------|------|---------------------------------------------------------------------------------------|---------------------|------------|----------|-------------------------------------------------|---------------------------|---|----|---------------|
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES |      | APPROVAL                                                                              |                     | 日期         | 品名<br>规格 | TYPE C 单排SMT 16pin 板上 H3.26<br>CH1.68 L7.35(带弹) |                           |   |    |               |
|                                          |      | 制图                                                                                    | HL.W                | 2021.04.02 |          |                                                 |                           |   |    |               |
| X. +/-                                   |      | METRIC                                                                                | 审核                  |            | 料号       | SEE TABLE                                       |                           |   |    |               |
| .X +/-                                   |      | 0.38                                                                                  | 核准                  |            |          |                                                 |                           |   |    |               |
| .XX +/-                                  |      | 0.30                                                                                  |                     |            |          |                                                 |                           |   |    |               |
| FRACTIONS +/-                            |      | 0.25                                                                                  | 文件位置                |            |          | 字张                                              | 工程图号:<br><br>DWG—CTCF—127 |   |    | 版本.<br><br>A0 |
| ANGLES +/-                               |      | 2.00°                                                                                 | ANGLE OF PROJECTION |            |          |                                                 |                           |   |    |               |
| DIMENSIONS                               |      |  |                     |            | A4       |                                                 |                           |   |    |               |
|                                          |      |                                                                                       |                     |            |          |                                                 |                           |   |    |               |
| (METRIC)                                 | (MM) |                                                                                       |                     |            | 比例       | 1 : 1                                           | 状态码                       | A | 页数 | 2 OF 2        |