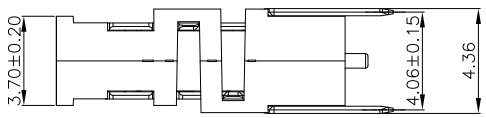
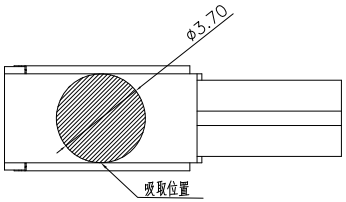
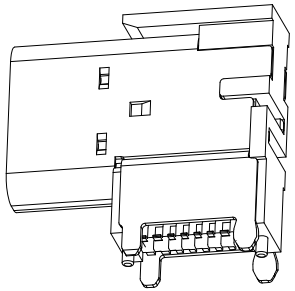
# GP Component

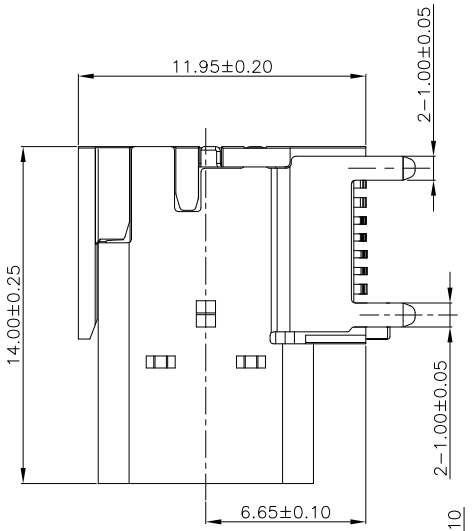
| REV. | ECN NO. | LOCATIONS | DESCRIPTION | DATE | DESIGN |
|---|---|---|---|---|---|
| A0 | | | Initial | 2021/12/05 | Ken Lin |

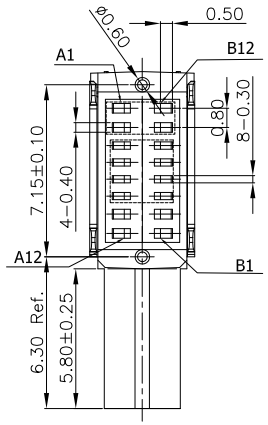


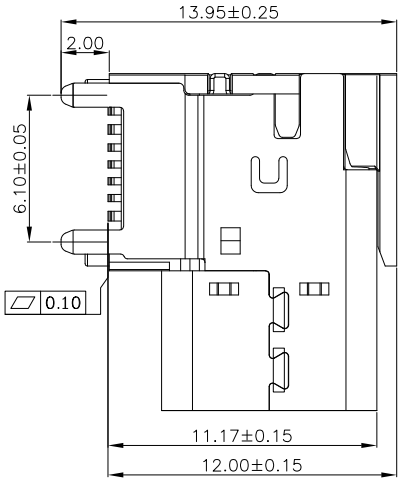



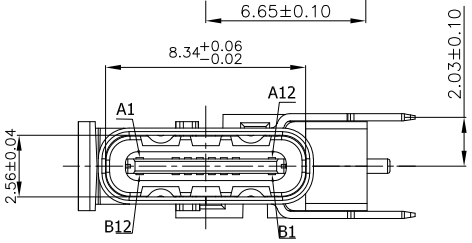

吸嘴吸取位置示意
(Top View)

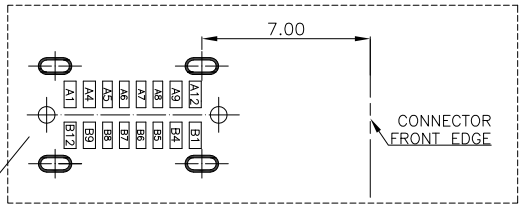


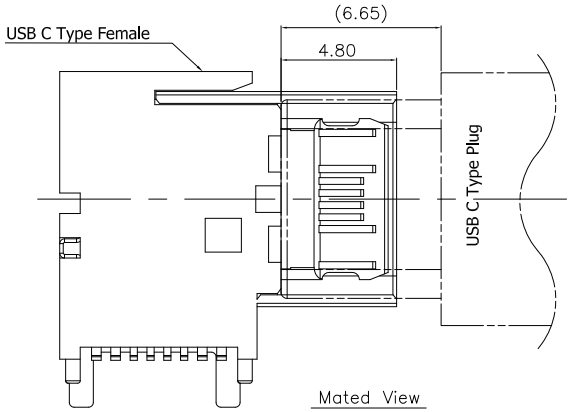


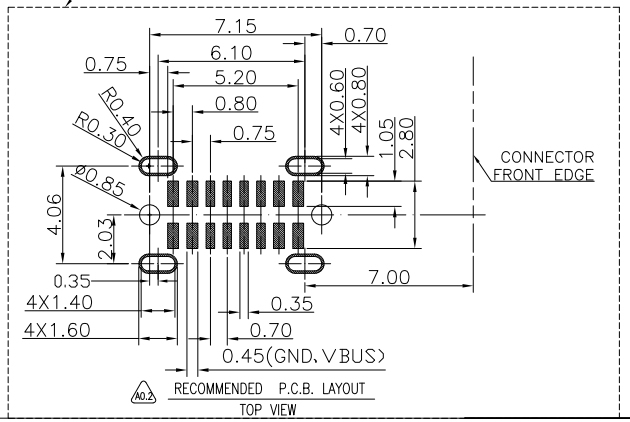




Mated View




特性：

一、电气性能：ElCTRICAL
1. 额定电流：5.0A
2. 接触阻抗：30 MILLIOHMS MAX
3. 耐电压：300V AC / 1 mA MAX
4. 绝缘阻抗：250V DC/100 MEGA OHMS MIN

二、机械性能：
1. 插入力：5~20N
2. 拔出力：8~20N
3. 使用寿命：10000次、拔出力 5N MIN

三、材料：MATERIAL
1. 塑胶：LCP黑色 UL94V-0
2. 端子：C7025 T=0.15MM
3. 外壳：SUS304 T=0.30MM
4. 卡勾：SUS301 T=0.15MM

四、电镀:FINISH
1. 端子：接触点镀金1μ″ MIN
PIN脚焊接区域Gold Flash.
2. 外壳：镀镍80U″MIN（盐雾24H）

五、电镀品需做粘锡测试：粘锡面积达到95%以上。

六、SMT回流焊（峰值260° C±5° C）不能起泡、熔胶、变色不良（变形在公差范围以内）

七、工作温度：-55° C~+85° C

八、盐雾测试：通过24H在浓度为5±1%盐水的盐雾测试无生锈现象

MATRIX PART NO:

MUSB12 – 01 – 745

MATRIX TYPE-C

Gold Plating
01:G/F (1u" Min.)
15:15u"
30:30u"

Series number

| | | | |
|---|---|---|---|
| A1 | GND | B12 | GND |
| A2 | | B11 | |
| A3 | | B10 | |
| 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 | | B3 | |
| A11 | | B2 | |
| A12 | GND | B1 | GND |

Matrix Electronics Co.,Ltd

| | | | |
|---|---|---|---|
| TOLERANCE: X ±0.20, X.X ±0.15, X.XX ±0.05, X.XXX ±0.05, ANGLE: ±3° | DESIGN BY : Ken Lin | DATE : 2021/12/05 | PART NAME: USB TYPE-C 16PIN Female 側立式 SMD CH=6.65mm |
| | CHECKED BY: Vicky Hsieh | DATE : 2021/12/05 | PART NO. MUSB12-01-745 |
| | APPROVED BY1: Richard Hsieh | DATE : 2021/12/05 | MOLD NO. NA |
| UNIT: mm [inch] | APPROVED BY2: Richard Hsieh | DATE : 2021/12/05 | DRAW NO. |
| SCALE:1:1 SIZE:A4 | | | SHEET NO. 1 OF 1 |