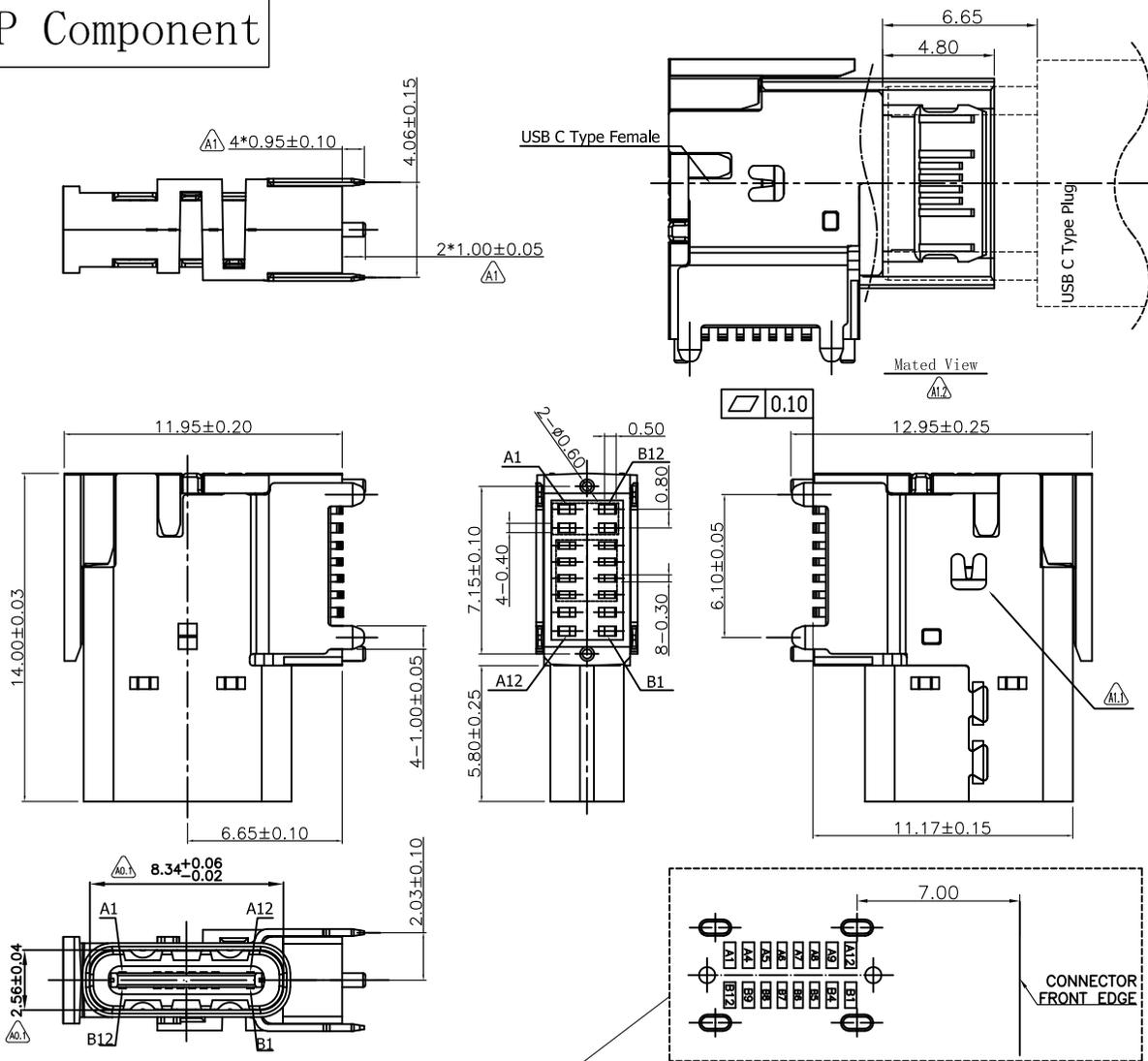
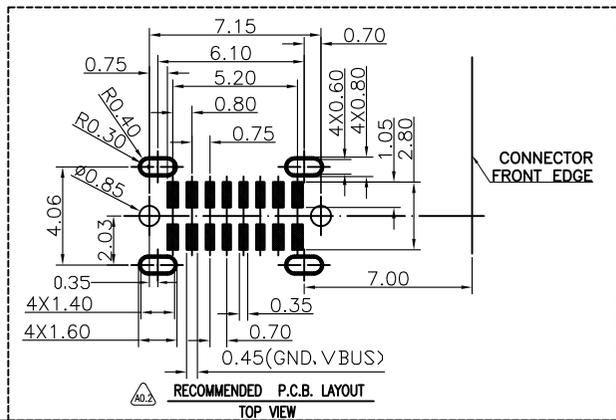


# GP Component



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



REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2021/10/24	Ken Lin
A0.1			修正外殼對插口標註方式	2022/11/14	Ken Lin
A0.2			修正Layout建議配置開孔尺寸	2022/12/08	Ken Lin
A1			外殼定位腳長改模, 尺寸改為0.95mm	2023/02/01	Ken Lin
A1.1			依實樣修正圖示	2023/04/18	Ken Lin
A1.2			追加圖示與修正特性內容	2024/02/02	Ken Lin

## 特性:

### 一、电气性能: ELECTRICAL

1. 额定电流: 5.0A
2. 额定电压: 20.0V DC
3. 接触阻抗: 40 MILLIOHMS MAX
4. 耐电压: 100V AC / 0.5mA MAX
5. 绝缘阻抗: 250V DC/100 MEGA OHMS MIN

### 二、机械性能:

1. 插入力: 5~20N
2. 拨出力: 8~20N
3. 使用寿命: 10000次、拨出力 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 GOLD FLASH  
PIN脚焊接区域镀金 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 - 638

MATRIX TYPE-C

Series number

Gold Plating

01:G/F

15:15u"

30:30u"



Matrix Electronics Co.,Ltd

TOLERANCE:		DESIGN BY :	DATE :	PART NAME:	
X:X	±0.35	Ken Lin	2024/02/02	USB TYPE-C 16PIN Female	
X:X	±0.30			侧立式 SMD CH=6.65mm	
X:XX	±0.25	CHECKED BY:	DATE :	PART NO.	MUSB12-01-638
X:XXX	±0.15	Vicky Hsieh	2024/02/02	MOLD NO.	NA
ANGLE: ±3°		APPROVED BY1:	DATE :	DRAW NO.	
		Richard Hsieh	2024/02/02	SHEET NO.	1 OF 1
		APPROVED BY2:	DATE :		
		Richard Hsieh	2024/02/02		