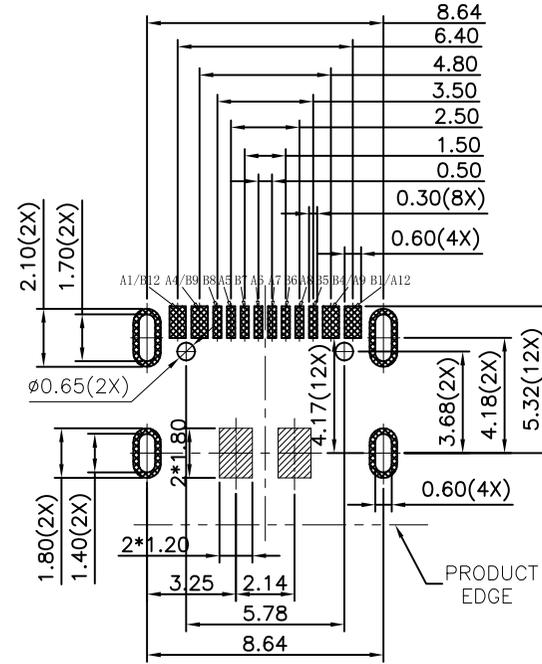
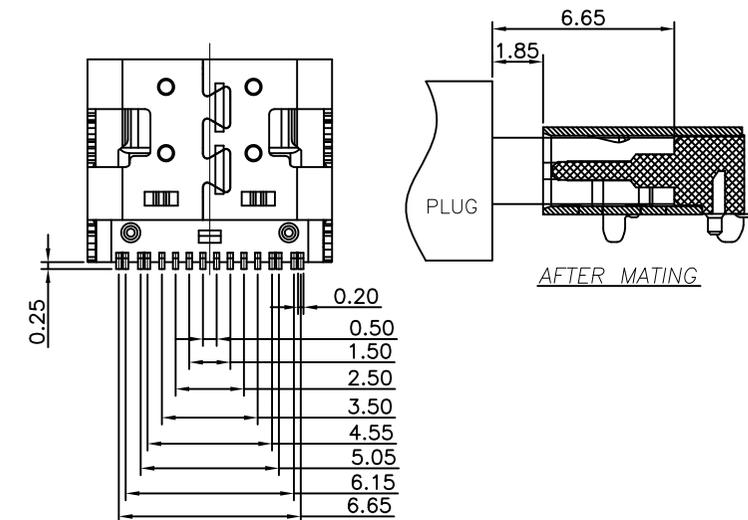
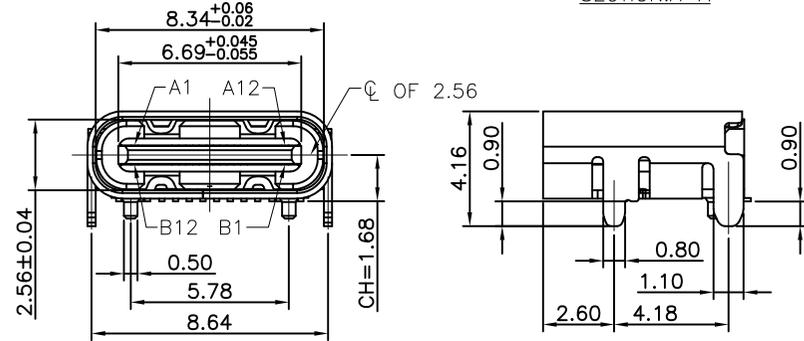
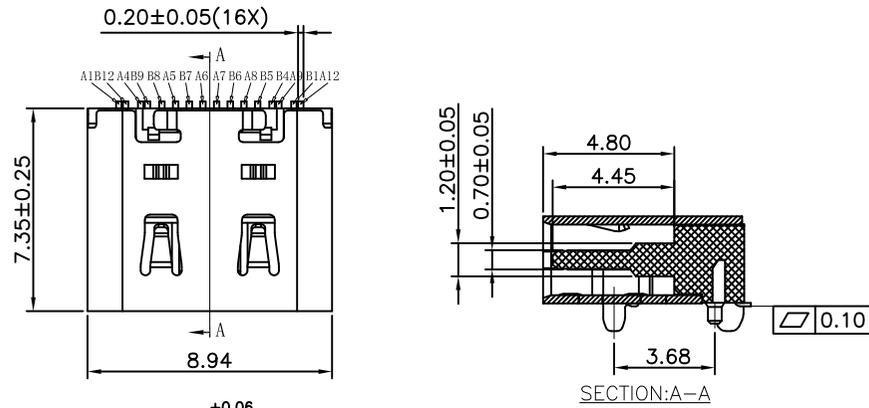
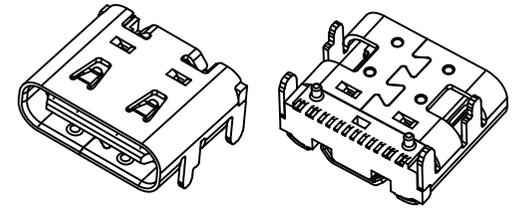


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2021/06/20	Ken Lin



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



## NOTES:

- Material:
  - Molding: LCP UL94 V-0 (BLACK)
  - Contact: Copper alloy.
  - Ni 50u" Min. Under plated over all.
  - Gold Flash plated on the functional area of contact.
  - Shell: SUS304-H,T=0.30±0.03mm
  - Ni 30u" Min. Plating over all.
  - Shield:SUS304-H,T=0.12±0.03mm
- Mechanical:
  - Insertion force: 0.5~2.0kgf
  - Removal force: 0.8~2.0kgf
  - Durability: 10000 times
- Electrical:
  - Current rating: 5A
  - Voltage rating: 20V
  - Insulation resistance:100MΩ Min
  - Dielectric withstand voltage.AC 100V for 1Minute.
- Environmental:
  - Operating temperature:-30°C~+80°C
- IR REFLOW:
  - The peak temperature on the board shall be maintained for 10 seconds at 260°C

## MATRIX PART NO:

MUSB12-01-598

MATRIX USB

Series number

Gold Plating  
01:Gold Flash  
03:3u"

## 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



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.15 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2021/06/20	PART NAME: USB 2.0 Type-C Female R/A,CL=1.68mm 外壳带弹片
UNIT: mm [inch]	CHECKED BY: Vicky Hsieh	DATE : 2021/06/20	PART NO. MUSB12-01-598
SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2021/06/20	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2021/06/20	DRAW NO.
			SHEET NO. 1 OF 1