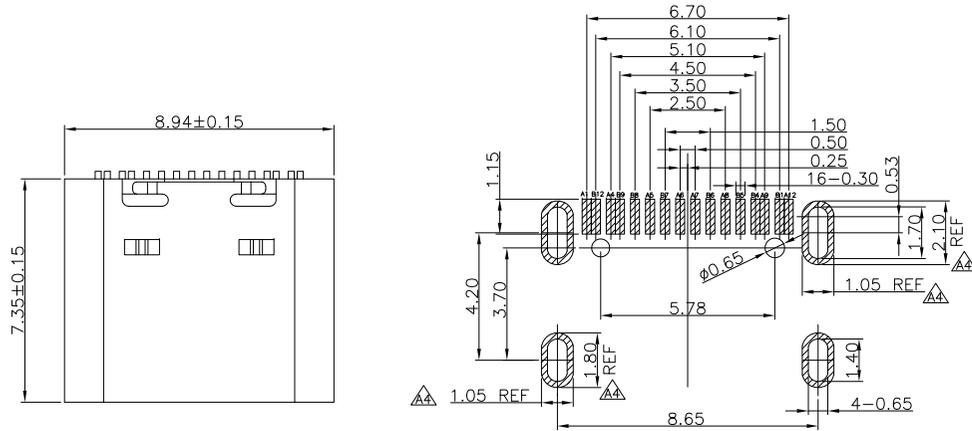


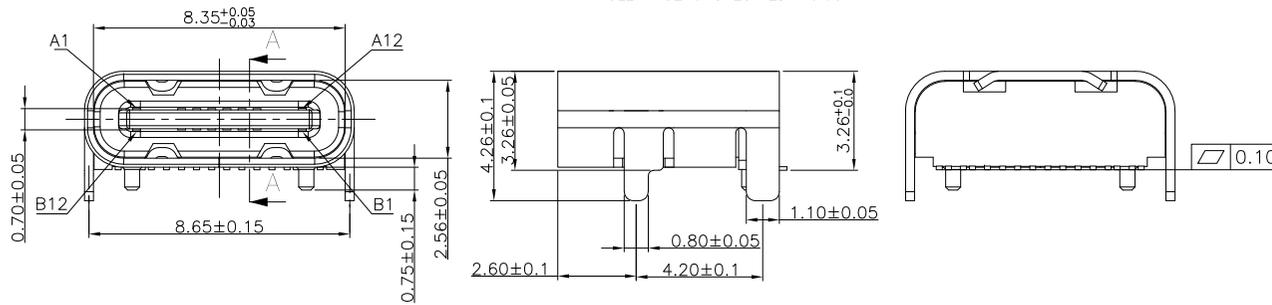
# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/07/28	Phebe Su
A1			Update NOTES	2019/01/15	Phebe Su
A2			Change 14pin to 16pin	2019/10/15	Phebe Su
A3			Modify size	2020/03/27	Hanson
A4			Add dimension	2020/06/10	Hanson
A5			修正圖面外觀蝴蝶扣使符合實物	2021/03/10	Hanson
A5.1			追加PCB板厚建議	2023/01/18	Ken Lin



### NOTES:

- MATERIAL:**  
 MOLDING: LCP BLACK UL94 V-0  
 CONTACT: COPPER ALLOY.  
 GOLD 1u" PLATED ON CONTACT AREA,  
 SHELL: SUS304-H, T=0.30±0.03mm  
 50u" NICKEL PLATING OVER ALL.
- MECHANICAL:**  
 INSERTION: 5~20N.  
 EXTRACTION: 8~20N AFTER TEST.  
 DURABILITY: 10000 CYCLES
- ELECTRICAL:**  
 CURRENT: 5A FOR VBUS;  
 0.25A MIN FOR OTHER.  
 VOLTAGE: 20VAC MAX  
 WITHSTANDING VOLTAGE: 100V AC R.M.S.  
 CONTACT RESISTANCE: 40mΩ MAX.  
 INSULATION RESISTANCE: 100MΩ MIN.
- ENVIRONMENTAL**  
 TEMPERATURE RANGE -55°C ~ +85°C



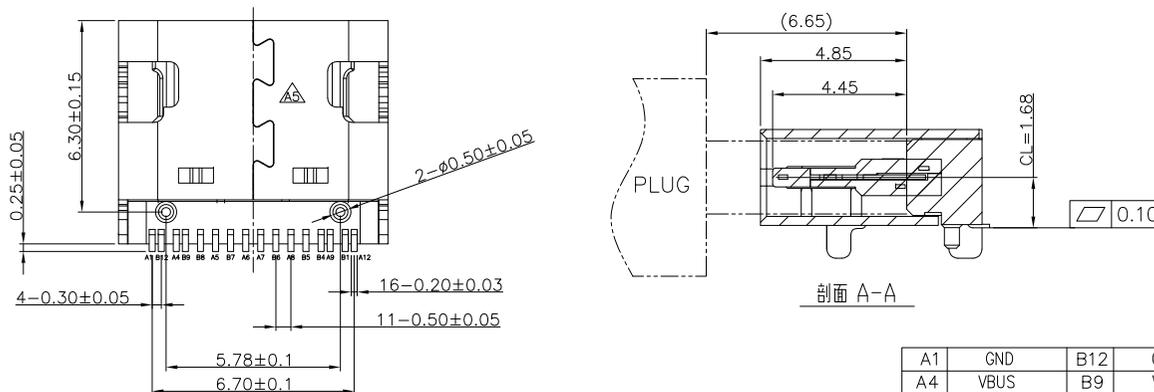
### MATRIX PART NO:

MUSB12-01-247

MATRIX TYPE-C

Series number

Gold Plating  
 01:1u"  
 15:15u"  
 30:30u"



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
PIN	SIGNAL NAME	PIN	SIGNAL NAME

**Matrix Electronics Co.,Ltd**

TOLERANCE: X.X ±0.25 X.XX ±0.15 X.XXX ±0.05 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2023/01/18	PART NAME: USB 2.0 Type C Female R/A, CL 1.68
APPROVED BY1: Richard Hsieh	DATE : 2023/01/18	PART NO.	MUSB12-01-247
APPROVED BY2: Richard Hsieh	DATE : 2023/01/18	MOLD NO.	NA
SCALE:1:1	SIZE:A4	DRAW NO.	SHEET NO. 1 OF 1