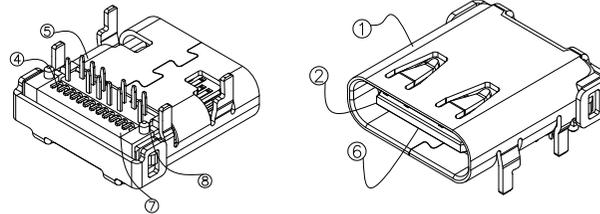
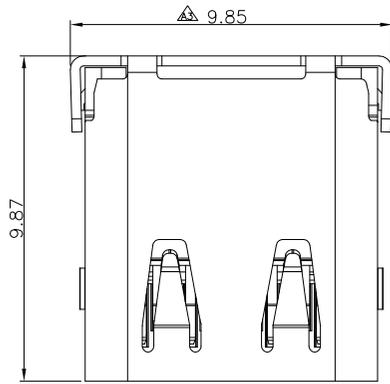


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/04/13	Phebe Su
A1			Update tolerance	2019/02/21	Phebe Su
A2			Change pin length	2019/08/13	Phebe Su
A3			Change dimension	2020/07/20	Hanson



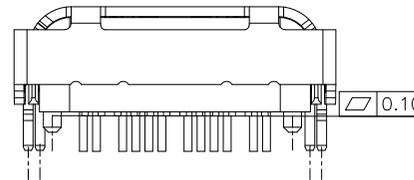
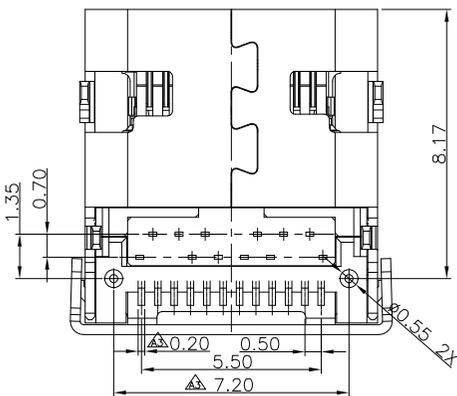
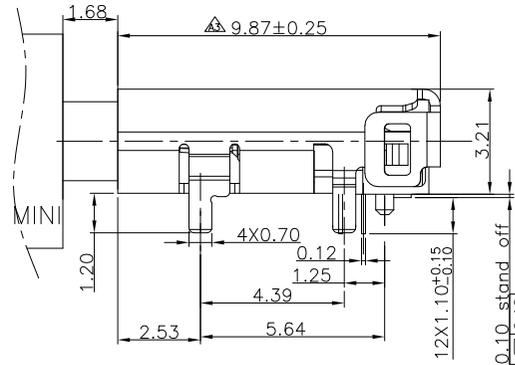
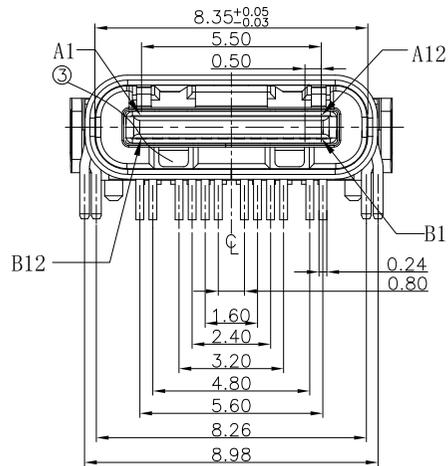
### SPECIFICATIONS:

- MECHANICAL :
  - INSERTION FORCE: 5N~20N
  - WITHDRAWAL FORCE: 8N~20N
  - DURABILITY: 10000 CYCLES
- ELECTRICAL :
  - CONTACT CURRENT RATING: 3A.
  - VOLTAGE RATING :30V AC (rms)
  - WITHSTANDING VOLTAGE: 100 VAC FOR 1 MINUTE.  
INSULATION RESISTANCE: 100 MEGAOHMS MIN.
  - CONTACT RESISTANCE: 40 MILLIOHMS MAX.
- ENVIRONMENTAL :
  - OPERATING TEMPERATURE:-40°C TO +85°C

### MATRIX PART NO:

MATRIX TYPE-C MUSB12 - 01 - 104 Series number

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



1	THERMOPLASTIC UL94V-0	DIP HOUSING	⑧
1	THERMOPLASTIC UL94V-0	SMT HOUSING	⑦
1	THERMOPLASTIC UL94V-0	LATCH HOUSING	⑥
12	COPPER ALLOY	DIP CONECTOR	⑤
12	COPPER ALLOY	SMT CONECTOR	④
2	SUS	EMI	③
1	SUS	LATCH	②
1	SUS	SHELL	①
QTY'S	MATERIAL	NAME	NO.



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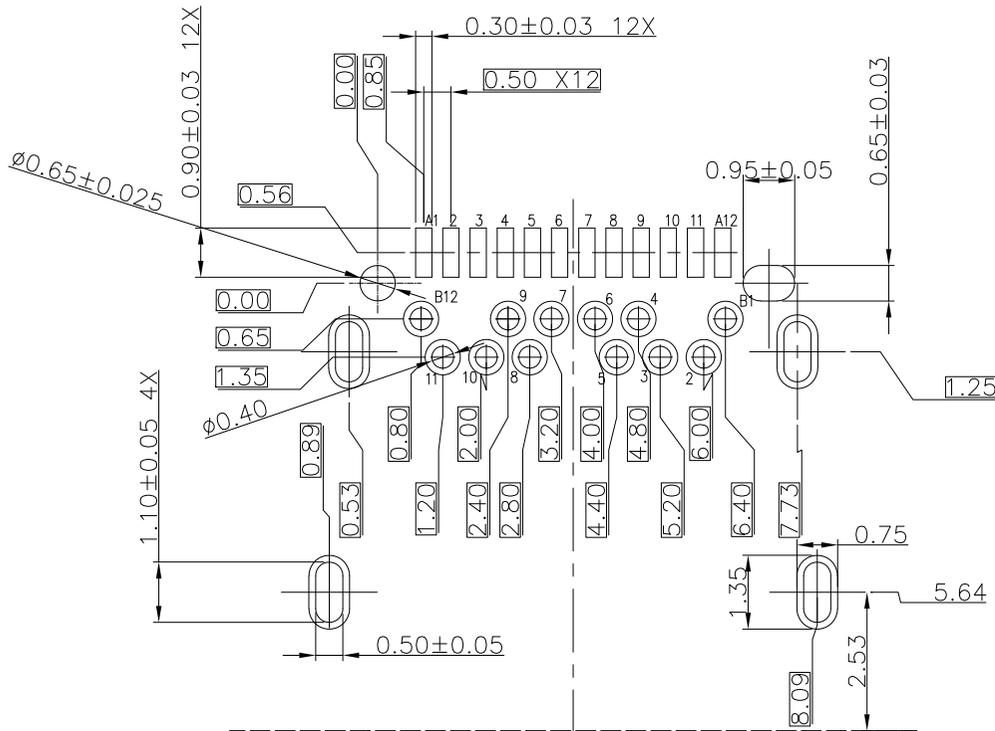
TOLERANCE: X.X ±0.25 X.XX ±0.15 X.XXX ±0.10 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2020/07/20	PART NAME: USB 3.1 TYPE C Gen 2 Female R/A, CL 1.73
APPROVED BY1: Richard Hsieh	CHECKED BY: Vicky Hsieh	DATE : 2020/07/20	PART NO. : MUSB12-01-104
APPROVED BY2: Richard Hsieh	DATE : 2020/07/20	MOLD NO. : NA	DRAW NO. : SHEET NO. : 1 OF 2
UNIT: mm [inch] SCALE: 1:1 SIZE: A4			

# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/04/13	Phebe Su
A1			Update tolerance	2019/02/21	Phebe Su
A2			Change pin length	2019/08/13	Phebe Su
A3			Change dimension	2020/07/20	Hanson

## USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuraation Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return



CONNECTOR FRONT EDGE

RECOMMENDED P.C.B. LAYOUT (T:1.00mm)  
TOLERANCE UNSPECIFIED ±0.05mm



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.25 X.XX ±0.15 X.XXX ±0.10 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2020/07/20	PART NAME: USB 3.1 TYPE C Gen 2 Female R/A, CL 1.73	
	CHECKED BY: Vicky Hsieh	DATE : 2020/07/20	PART NO.	MUSB12-01-104
APPROVED BY1: Richard Hsieh	DATE : 2020/07/20	MOLD NO.	NA	
	APPROVED BY2: Richard Hsieh	DATE : 2020/07/20	DRAW NO.	
SCALE: 1:1	SIZE: A4	SHEET NO.	2 OF 2	