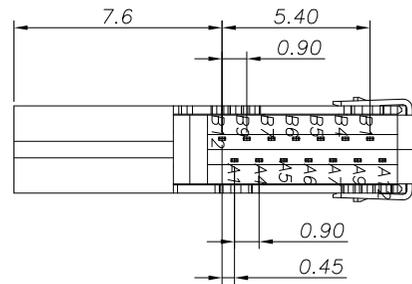
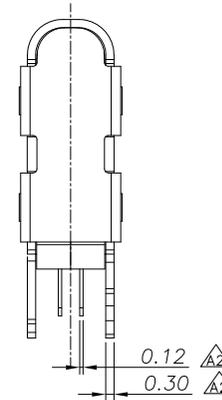
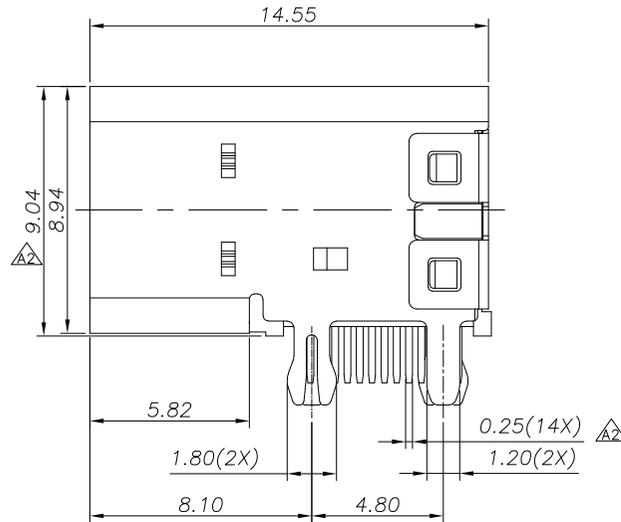
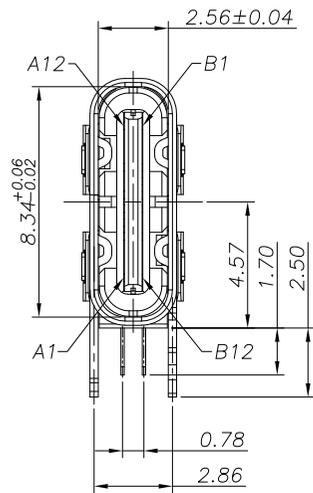
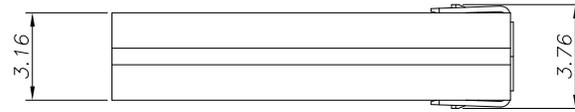


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/04/03	Phebe Su
A1			Change VOLTAGE	2020/05/19	Hanson
A2			Add Dim & Change MOLDING MATERIAL	2021/11/25	Ken Lin



### NOTES:

- MATERIAL:
  - MOLDING: PA9T BLACK UL94 V-0
  - CONTACT: COPPER ALLOY.
  - SHELL: STAINLESS STEEL
  - 30u" NICKEL PLATING OVER ALL.
  - MID PLATE: STAINLESS STEEL
- MECHANICAL:
  - INSERTION: 5~20N.
  - EXTRACTION: 8~20N AFTER TEST.
  - DURABILITY: 10000 CYCLES
- ELECTRICAL:
  - CURRENT: 5A MAX
  - VOLTAGE: 20VAC MAX
  - WITHSTANDING VOLTAGE: 100V AC R.M.S.
  - CONTACT RESISTANCE: 40mΩ MAX.
  - INSULATION RESISTANCE: 100MΩ MIN.
- ENVIRONMENTAL
  - TEMPERATURE RANGE -40°C ~ +85°C

MATRIX PART NO:

MUSB12-03-347

MATRIX USB

Series number

Pin Number

Gold Plating  
03:3u"

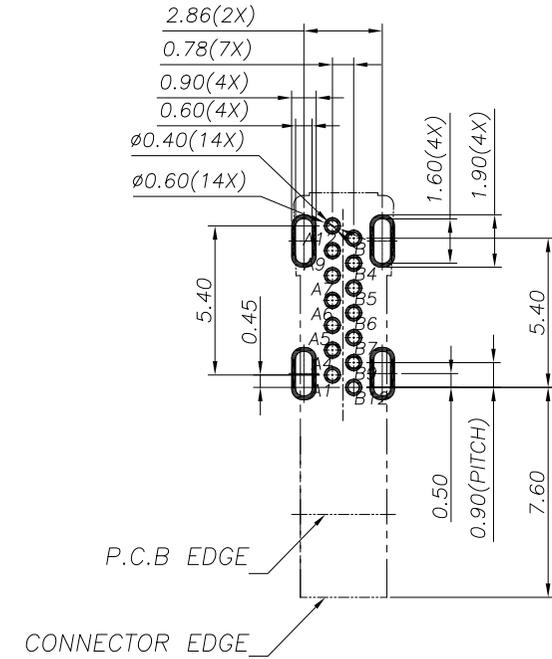
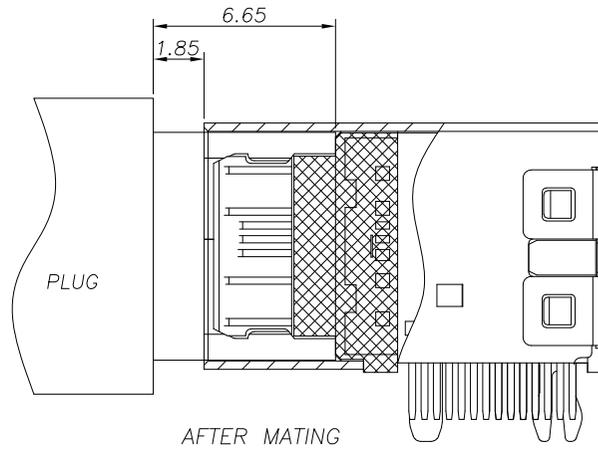


Matrix Electronics Co., Ltd

<b>TOLERANCE:</b> X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Ken Lin	2021/11/25	USB 2.0 Type C Female Flag type, CL 4.57	
	CHECKED BY:	DATE :	PART NO.	MUSB12-03-347
	Janice Liu	2021/11/25	MOLD NO.	NA
UNIT: mm [inch]	APPROVED BY1:	DATE :	DRAW NO.	
SCALE: 1:1 SIZE: A4	Richard Hsieh	2021/11/25	SHEET NO.	1 OF 2
	APPROVED BY2:	DATE :		
	Richard Hsieh	2021/11/25		

# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
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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
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel			
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
			B5	CC2	Configuraation Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A12	GND	Ground return	B1	GND	Ground return

RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 1.6±0.10MM;DEFAULT TOLERANCE:±0.05



Matrix Electronics Co.,Ltd

<b>TOLERANCE:</b> X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Ken Lin	2021/11/25	USB 2.0 Type C Female Flag type, CL 4.57	
UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY:	DATE :	PART NO.	MUSB12-03-347
	Janice Liu	2021/11/25	MOLD NO.	NA
UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY1:	DATE :	DRAW NO.	
	Richard Hsieh	2021/11/25	SHEET NO.	2 OF 2
	APPROVED BY2:	DATE :		
	Richard Hsieh	2021/11/25		