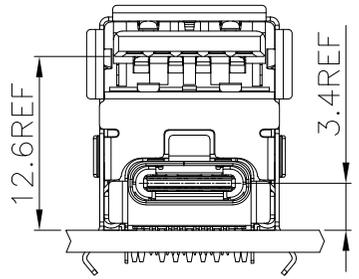
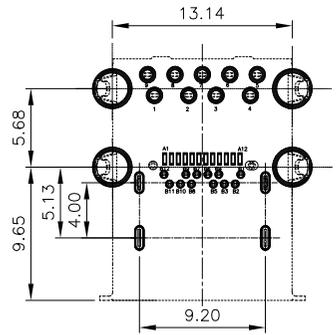
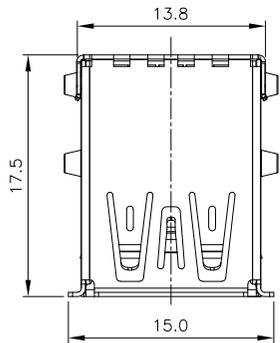


# GP Component

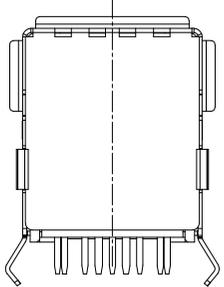
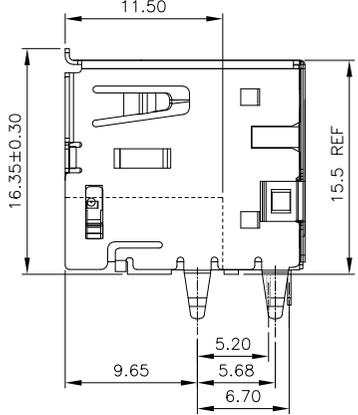
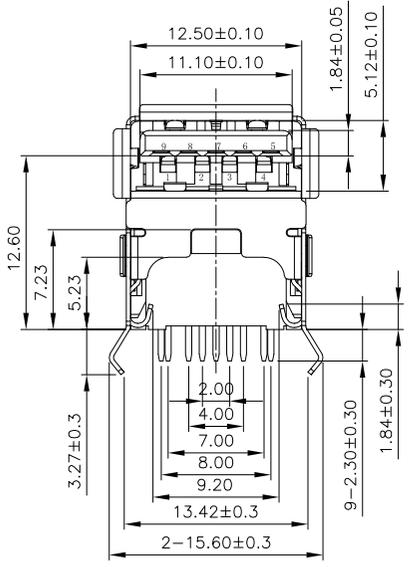
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/04/22	Hanson
A1			更新产品视图	2025/02/12	Ken



CONNECTOR EDGE(TOP VIEW)  
HIGE RISE USB3.1+USB TYPE C

HIGE RISE USB3.1+USB TYPE C

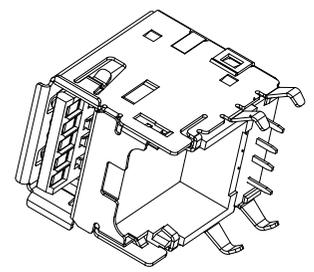
- NOTES:
- MATERIAL:
    - HOUSING: PA9T COLOR: BLUE.
    - COVER: PA9T COLOR: BLUE.
    - CONTACT: USB2.0 4Pin CONTACTS PHOSPHOR COPPER .
    - USB3.0 5Pin CONTACTS BRASS .
    - SHELL: STAINLESS STEEL .
    - MIDDLE SPRING: STAINLESS STEEL .
  - FINISH:
    - CONTACT: GOLD FLASH PLATED ON CONTACT AREA, 80u" MATTE TIN PLATED ON SOLDER TAILS, 30u" NICKEL UNDERPLATING OVER ALL.
    - SHELL: 40u" NICKEL PLATING OVER ALL.
  - SPECIFICATION:
    - ELECTRICAL:
      - CURRENT RATING: 1.8A FOR PIN1&PIN4; 0.25A FOR OTHERS.
      - VOLTAGE RATING: 30V.
      - INSULATION RESISTANCE: 1000MΩ Min.
      - CONTACT RESISTANCE: 30 mΩ Max.
      - DIELECTRIC WITHSTANDING VOLTAGE: 500V/AC 1MINUTE.
    - MECHANICAL:
      - MATING FORCE: 3.57Kgf Max.
      - UNMATING FORCE: 1.0Kgf Min.
      - DURABILITY: 1500 CYCLES.
    - ENVIRONMENTAL
      - OPERATING TEMPERATURE: -55°C~+85°C



MATRIX PART NO:  
MUSB 09 - 01 - 399

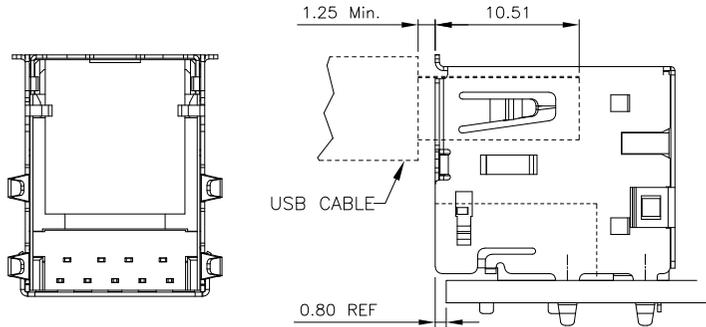
MATRIX USB - Pin Number - Plating  
01:Gold Flash  
15:15u"  
30:30u"

Series number

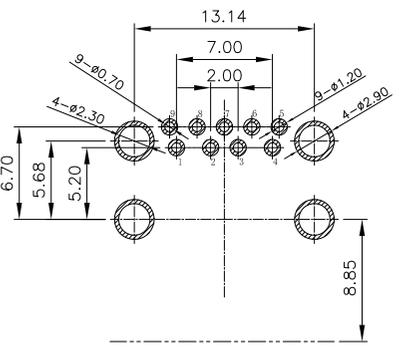


3D VIEW

Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	THIRD
3	D+		
4	GND	GROUND FOR POWER RETURN	SECOND
5	Stda_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	Stda_SSRX+		
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	Stda_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR	
9	Stda_SSTX+		
Shell	Shield	CONNECTOR METAL SHELL	FRIST



MOUNTING CONFIGURATION



P.C.B LAYOUT(TOP VIEW)

**Matrix Electronics Co.,Ltd**

<b>TOLERANCE:</b> X. ±0.50 X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 ANGLE: ±2°	DESIGN BY :	DATE :	PART NAME:	
	Ken Lin	2025/02/12	USB 3.0 A Type DIP Female 禁高型	
UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY:	DATE :	PART NO.	MUSB09-01-399
	Hanson Huang	2025/02/12		
APPROVED BY1: APPROVED BY2:	DATE :	DATE :	MOLD NO.	NA
	Richard Hsieh	2025/02/12		
	DATE :	DATE :	DRAW NO.	
	Richard Hsieh	2025/02/12	SHEET NO.	1 OF 1