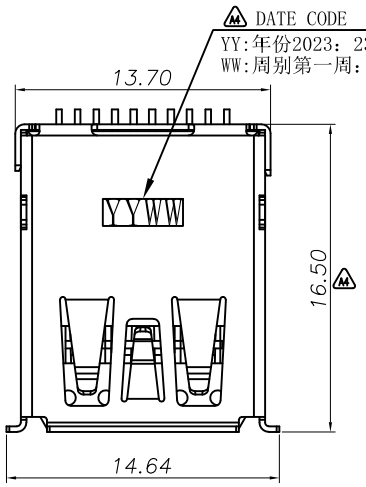
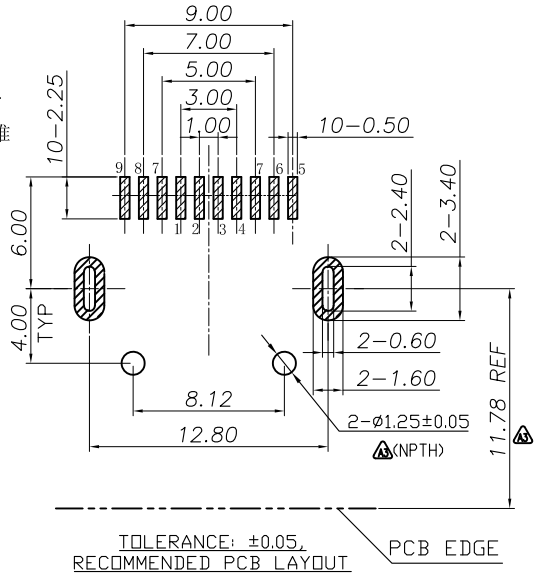
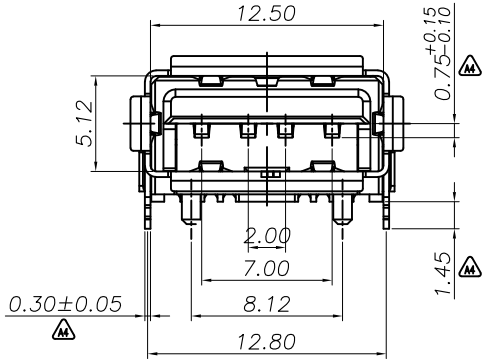
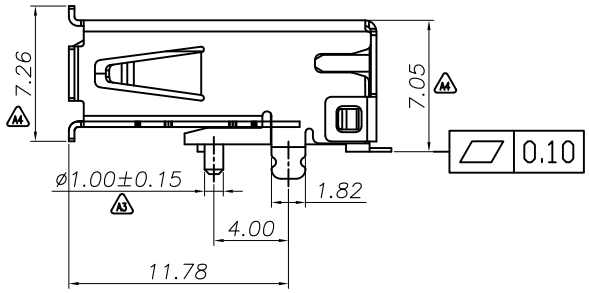
GP Component

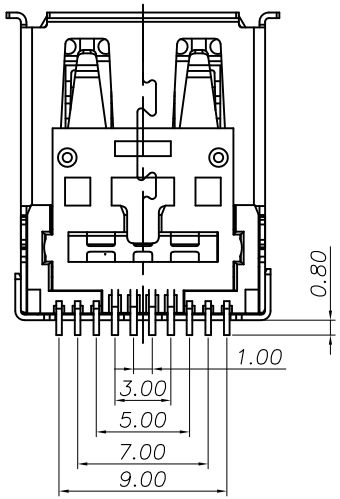
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2014/06/26	Phebe Su
A1			Change	2014/12/04	Phebe Su
A2			Change	2015/05/19	Phebe Su
A3			Change Positioning column layout size	2015/07/07	Phebe Su
A3.1			Change	2022/09/18	Ken Lin
A4	ECN:20231108001		New Module Drawing	2023/11/08	Ken Lin

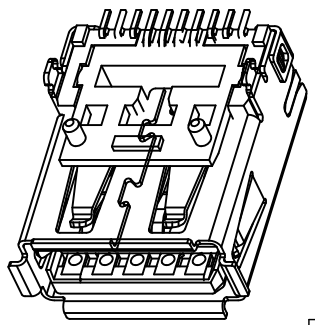












3D VIEW

NOTES:

1. MATERIAL:
   - 1.1 HOUSING:LCP UL 94V -0 BLUE
   - 1.2 CONTACT:COPPER ALLOY(C5210)
   - 1.3 SHELL:SUS201-H
2. FINISH:
   - 2.1 CONTACT:GOLD G/F ON CONTACT AREA/100u" MIN MATTE TIN ON SOLDER AREA, 50u" MIN. NICKEL UNDER PLATING OVER ALL
   - 2.2 SHELL:50u" MIN. NICKEL UNDER PLATING OVER ALL
3. ELECTRICAL CHARACTERSTIC
   - 3.1 VOLTAGE RATING: 250V/AC (RMS)
   - 3.2 CONTACT CURRENT RATING:1.8A MAX FOR PINLAND PIN4, AND 0.25A FOR OTHERS CONTACTS (PINS)
   - 3.3 INSULATION RESISTANCE:100MΩ MIN
   - 3.4 CONTACT RESISTANCE:30 MΩ MAX
4. MECHANICAL CHARACTERSTIC
   - 4.1 INSERTION FORCE:35N/PCS MAX.
   - 4.2 REMOVAL FORCE:10N/PCS MIN.
   - 4.3 RETENTION FORCE:8N/PCS MIN.
   - 4.4 DURABILITY：10000 CYCLES
   - 4.5 OPERATING TEMPERATURE:-55 TO +90° C
5. PACKING TAPE REEL
6. HALOGEN FREE PRODUCT

MATRIX PART NO:

MUSB10-01-64

- MUSB: MATRIX USB
- 10: Pin Number
- 01: Plating
  - 01:Gold Flash
  - 03:3u"
  - 15:15u"
  - 30:30u"
- 64: Series number

PIN NO.	PIN 1	PIN 2	PIN 3	PIN 4
SLGNAL NAME	V BUS	D-	D+	GND
REMARK	USB 2.0 CONTACT PINS			

PIN NO.	PIN 5	PIN 6	PIN 7	PIN 7	PIN 8	PIN 9
SLGNAL NAME	STDA_SSRX-	STDA_SSRX+	GND_DRAIN	GND_DRAIN	STDA_SSTX-	STDA_SSTX+
REMARK	USB 3.0 CONTACT PINS					

Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.20, X.XX ±0.15, X.XXX ±0.05, ANGLE: ±2°	DESIGN BY : Ken Lin	DATE : 2023/11/08	PART NAME: USB 3.0, A TYPE, 90° SMT H=7.0 CONNECTOR.
	CHECKED BY: Vicky Hsieh	DATE : 2023/11/08	PART NO. MUSB10-01-64
UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2023/11/08	MOLD NO. NA
SCALE:1:1 SIZE:A4	APPROVED BY2: Richard Hsieh	DATE : 2023/11/08	DRAW NO.
			SHEET NO. 1 OF 1