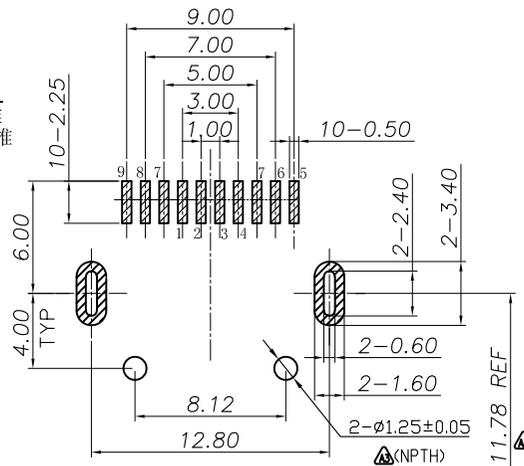
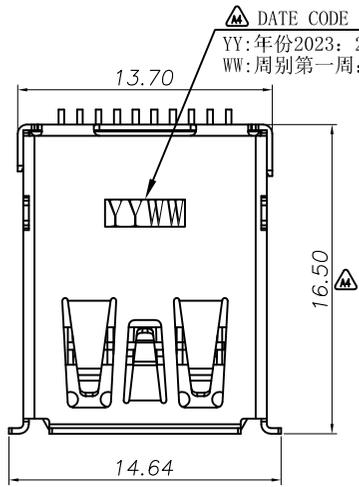
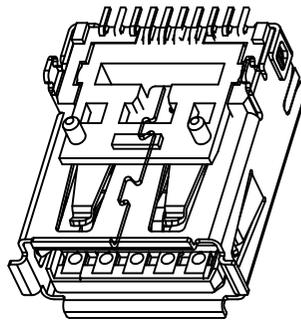
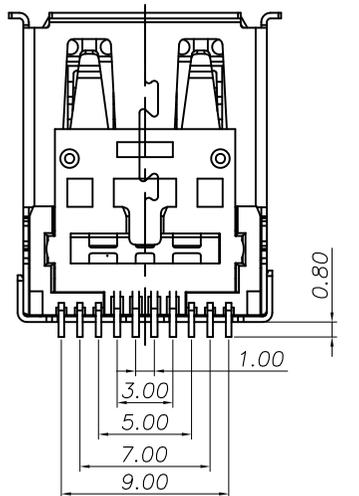
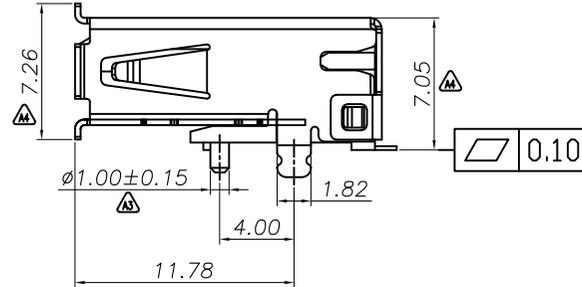
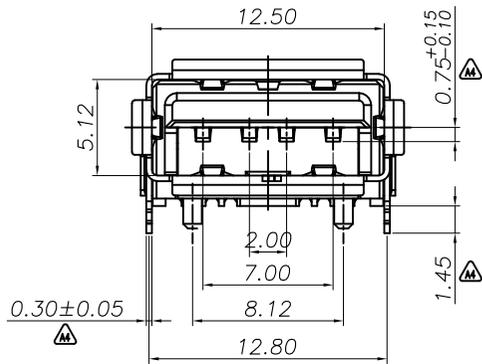


GP Component



TOLERANCE: ±0.05,
RECOMMENDED PCB LAYOUT
(TOP VIEW) PCB EDGE



3D VIEW

PIN NO.	PIN 1	PIN 2	PIN 3	PIN 4
SLGNL 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
SLGNL NAME	STDA_SSRX-	STDA_SSRX+	GND_DRAIN	GND_DRAIN	STDA_SSTX-	STDA_SSTX+
REMARK	USB 3.0 CONTACT PINS					

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

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 3u" 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 CHARACTERISTIC

- 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 CHARACTERISTIC

- 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:

MUSB10-03-64

MATRIX USB ——— Series number

Pin Number ——— Plating
01: Gold Flash
03: 3u"
15: 15u"
30: 30u"



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.	MUSB10-03-64
	APPROVED BY1: Richard Hsieh	DATE : 2023/11/08	MOLD NO.	NA
UNIT: mm [inch]	APPROVED BY2: Richard Hsieh	DATE : 2023/11/08	DRAW NO.	
SCALE: 1:1	SIZE: A4		SHEET NO.	1 OF 1