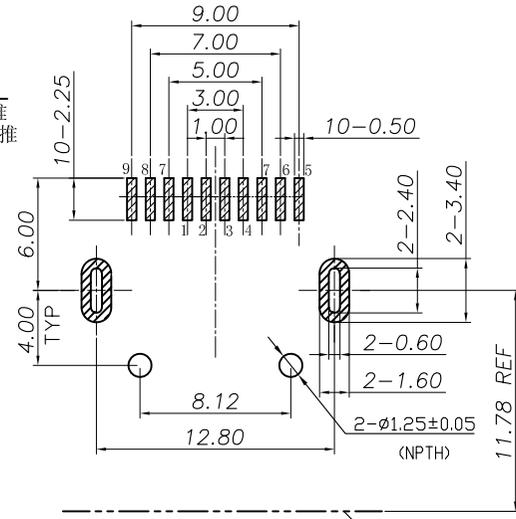
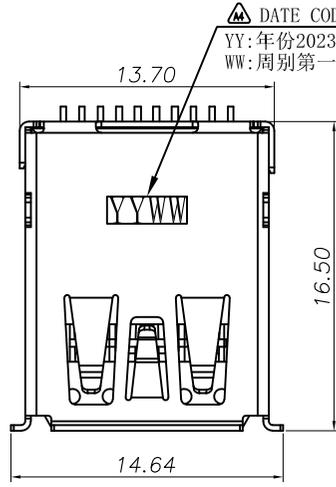
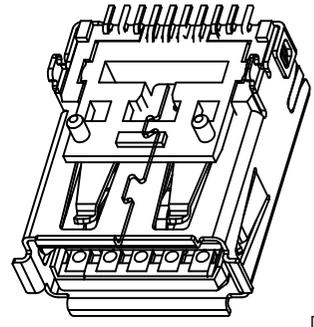
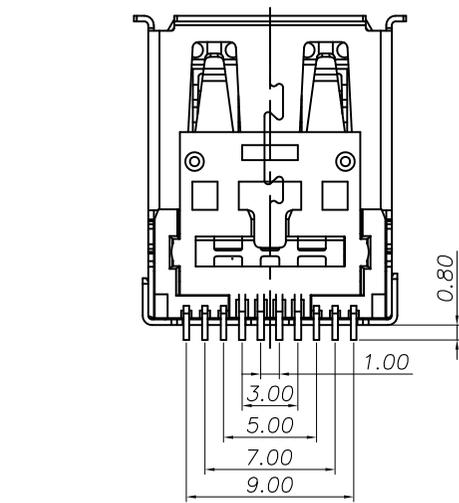
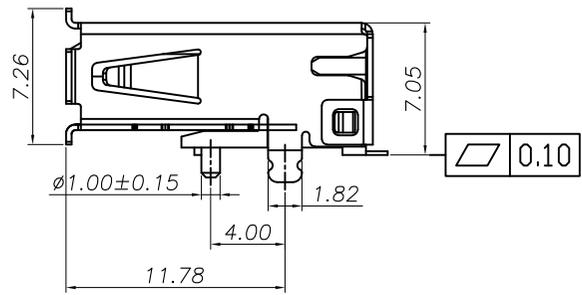
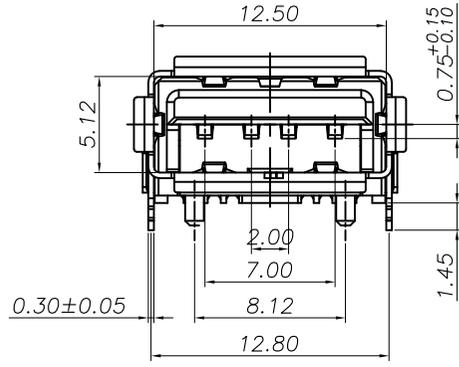


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2023/01/24	Ken Lin



TOLERANCE:  $\pm 0.05$ ,  
RECOMMENDED PCB LAYOUT  
(TOP 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					

### NOTES:

- MATERIAL:
  - HOUSING: LCP UL 94V -0 BLUE
  - CONTACT: COPPER ALLOY (C5210)
  - SHELL: SUS201-H
- FINISH:
  - CONTACT: GOLD G/F ON CONTACT AREA/100 $\mu$ " MIN MATTE TIN ON SOLDER AREA, 50 $\mu$ " MIN. NICKEL UNDER PLATING OVER ALL
  - SHELL: 50 $\mu$ " MIN. NICKEL UNDER PLATING OVER ALL
- ELECTRICAL CHARACTERISTIC
  - VOLTAGE RATING: 250V/AC (RMS)
  - CONTACT CURRENT RATING: 1.8A MAX FOR PINLAND PIN4, AND 0.25A FOR OTHERS CONTACTS (PINS)
  - INSULATION RESISTANCE: 100M $\Omega$  MIN
  - CONTACT RESISTANCE: 30 M $\Omega$  MAX
- MECHANICAL CHARACTERISTIC
  - INSERTION FORCE: 35N/PCS MAX.
  - REMOVAL FORCE: 10N/PCS MIN.
  - RETENTION FORCE: 8N/PCS MIN.
  - DURABILITY: 10000 CYCLES
  - OPERATING TEMPERATURE: -55 TO +90° C
- PACKING TAPE REEL
- HALOGEN FREE PRODUCT

### MATRIX PART NO:

MATRIX USB MUSB10-01-785 Series number

Pin Number ——— Plating  
01: Gold Flash  
03: 3 $\mu$ "  
15: 15 $\mu$ "  
30: 30 $\mu$ "

Matrix Electronics Co., Ltd			
TOLERANCE: X.X $\pm 0.20$ X.XX $\pm 0.15$ X.XXX $\pm 0.05$ ANGLE: $\pm 2^\circ$	DESIGN BY : Ken Lin	DATE : 2023/01/24	PART NAME: USB 3.2 Gen2 TYPE-A, FEMALE R/A SMT
	CHECKED BY: Hanson Huang	DATE : 2023/01/24	PART NO. MUSB10-01-785
	APPROVED BY1: Richard Hsieh	DATE : 2023/01/24	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/01/24	DRAW NO.
UNIT: mm [inch]	SCALE: 1:1	SIZE: A4	SHEET NO. 1 OF 1