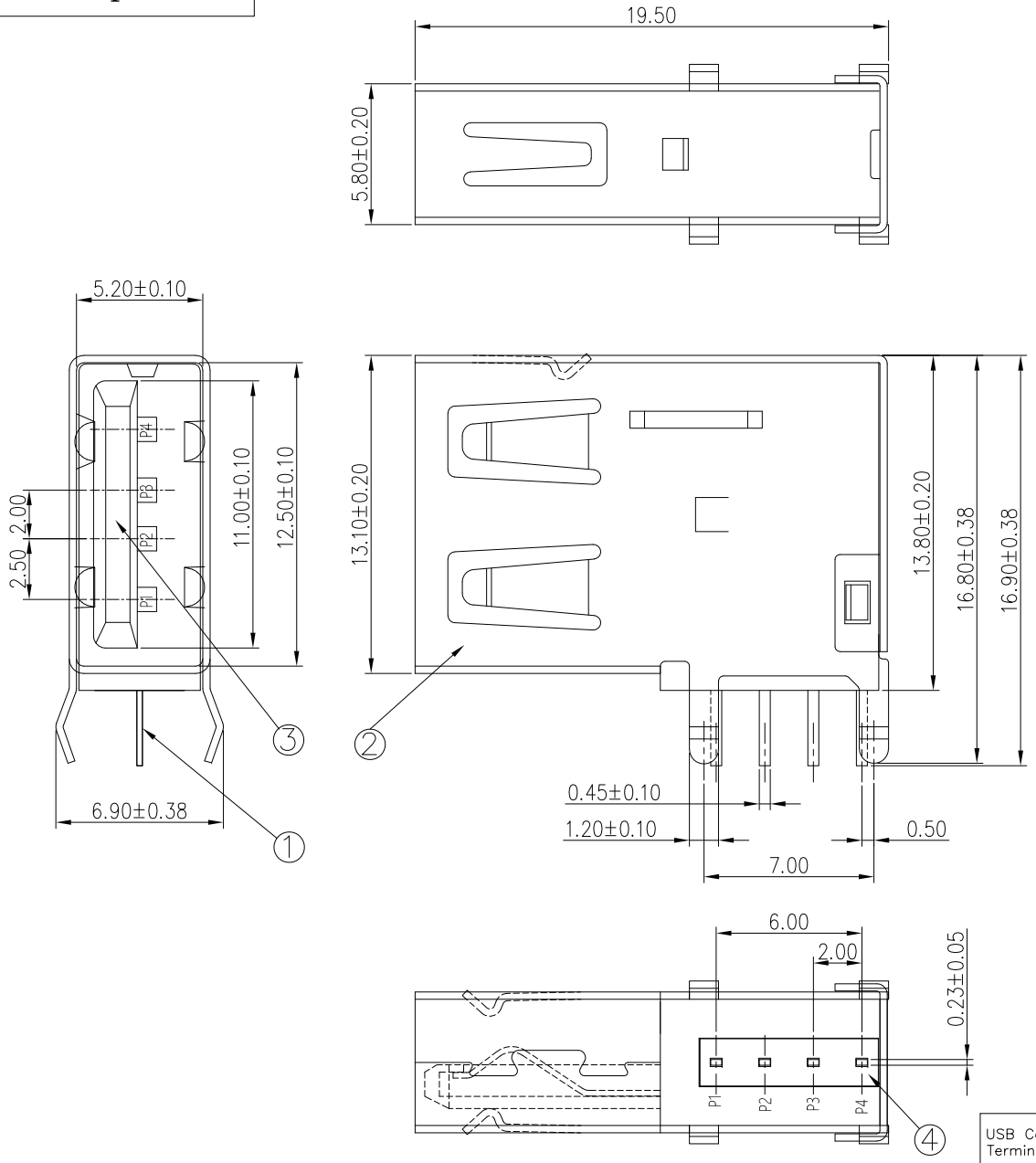
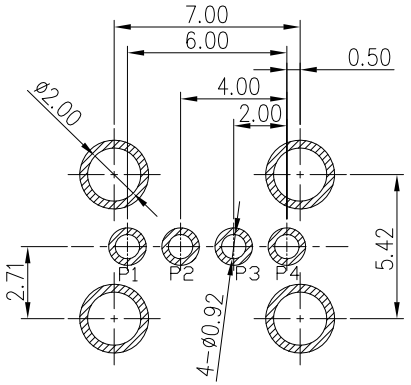
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2022/10/13	Ken Lin
A1			Change Drawing	2024/01/29	Ken Lin





RECOMMEND P.C.BOARD LAYOUT
PCB TOLERANCE:±0.05(TOP VIEW) A1

NOTES:

1. PLATING:
   1.1 CONTACTS:
   NICKEL(50u" MIN.) UNDER PLATING OVERALL
   TIN(60u"MIN.) PLATING ON SOLDER AREA
   AU(GOLDFLASH) PLATING ON CONTACT AREA
   1.2 SHELL: NICKEL(60U"MIN.) PLATING OVERALL
2. SPECIFICATION:
   2.1 CONTACT CURRENT RATING: 1.5 Amp
   2.2 DIELECTRIC WITHSTANDING VOLTAGE: AC 500V r.m.s.
   2.3 INSULATION RESISTANCE: 1000M Ω MIN. at DC 500V
   2.4 OPERATING TEMPERATURE: −40°C to +85°C
   2.5 CONTACT RESISTANCE: 30 M ΩMAX.
3. MECHANICAL CHARACTERISTICS:
   3.1. INSERTION FORCE : 3.57 KGF MAX
   3.2. WITHDRAWAL FORCE : 1.02 KGF MIN
   3.3. MECHANICAL LIFE:1000 TIMES

MATRIX PART NO:

MUSB 04 - 01 - 748

- MUSB: MATRIX USB
- 04: Pin Number
- 01: Plating
  01:Gold Flash(1u" MIN)
  15:15u"
  30:30u"
- 748: Series number

NO.	PART NAME	QTY.	MATERIAL	REMARK
④	COVER	1	LCP UL 94V-0	BEIGE
③	HOUSING	1	PBT UL 94V-0	BLACK
②	SHELL	1	SPCC	NI-PLATED
①	TERMINAL	4	BRASS C2680 T=0.23mm	AU

USB Connector Termination Assignment

Contact Number	Signal Name
1	VBUS
2	D−
3	D+
4	GND

Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.30, X.XX ±0.20, X.XXX ±0.10, ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2024/01/29	PART NAME: USB 2.0 母座/側立式 4Pin DIP TYPE
	CHECKED BY: Vicky Hsieh	DATE : 2024/01/29	PART NO. MUSB04-01-748
	APPROVED BY1: Richard Hsieh	DATE : 2024/01/29	MOLD NO. NA
UNIT: mm [inch]	APPROVED BY2: Richard Hsieh	DATE : 2024/01/29	DRAW NO.
SCALE:1:1 SIZE:A4			SHEET NO. 1 OF 1