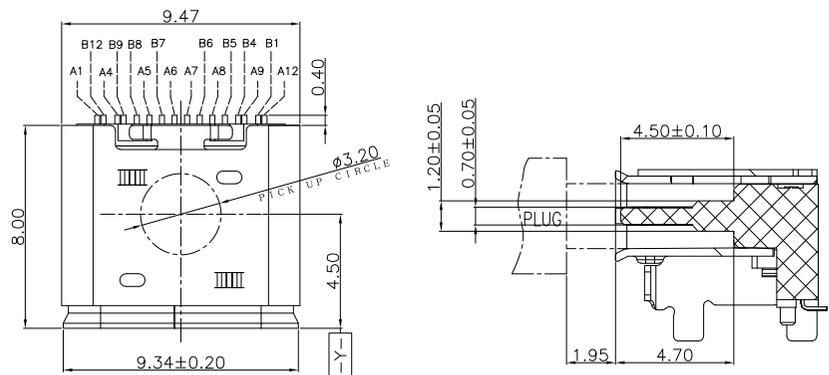


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/07/15	Ken Lin
A1			Change	2021/11/30	Ken Lin
A2			Change	2022/03/31	Ken Lin
A3			Change	2022/07/11	Ken Lin
A3.1			Add Dim.	2022/07/19	Ken Lin
A3.2			Change Dim.	2022/08/09	Ken Lin



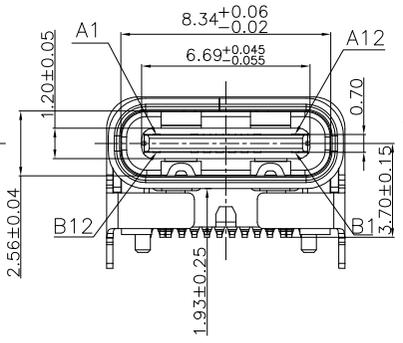
△3 mating drawing

NOTES:

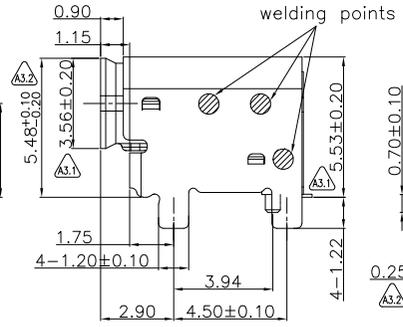
SPECIFICATION:

- CURRENT RATING: 5.0A MAX
- VOLTAGE: 100 VAC
- TEMPERATURE RANGE: -30 °C ~ 85 °C
- CONTACT RESISTANCE: 40 MILLIONHM MAX
- INSULATION RESISTANCE: 100 MEGOHMS MIN.
- INSERTION FORCE : 5N~20N
- UNMATING FORCE: 8N~20N
- DURABILITY: 10,000 CYCLES
- TRANSMISSION SPEED CONFORMS:480Mbps.

welding points



welding points

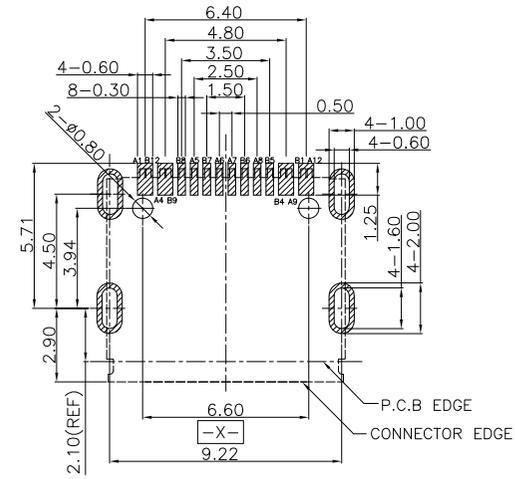
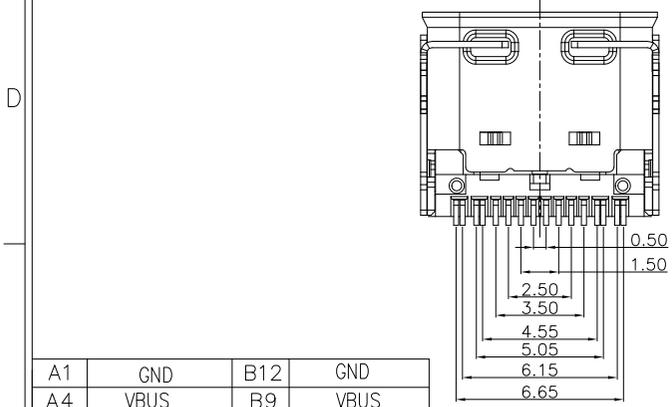


MATRIX PART NO:

MATRIX USB MUSB12 - 01 - 512 Series number

ALL CONTACT

Plating  
01:Gold Flash  
15:15u"  
30:30u"



RECOMMENDED P.C.B. LAYOUT  
TOLERANCE UNSPECIFIED ±0.05mm

PIN	SIGNAL NAME	PIN	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

NO.	DESCRIPTION	MATERIAL	REMARKS
7	OVER SHELL	STAINLESS STEEL SUS304	Matte Ni Plated
6	SHELL	STAINLESS STEEL SUS304	Matte Ni Plated
5	SHIELDING PLATE	STAINLESS STEEL SUS301	---
4	MD	PA9T	BLACK
3	CONTACT	COPPER ALLOY C7025	Au1 /NI/G/F"
2	CONTACT	COPPER ALLOY C7025	Au1 /NI/G/F"
1	HOUSING	PA9T	PA9T-BLACK



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.15 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2022/08/09	PART NAME: USB 2.0 Type -C 母座/板上式墊高型 16PIN SMT CH=3.7
	CHECKED BY: Vicky Hsieh	DATE : 2022/08/09	PART NO. MUSB12-01-512
	APPROVED BY1: Richard Hsieh	DATE : 2022/08/09	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2022/08/09	DRAW NO. SHEET NO. 1 OF 1