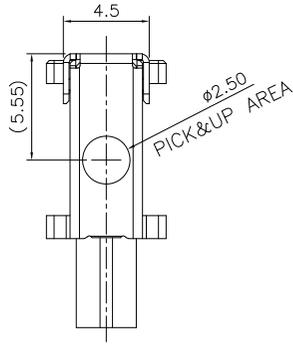
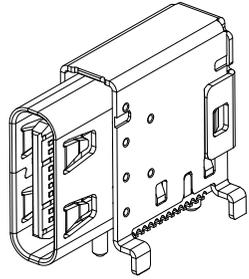


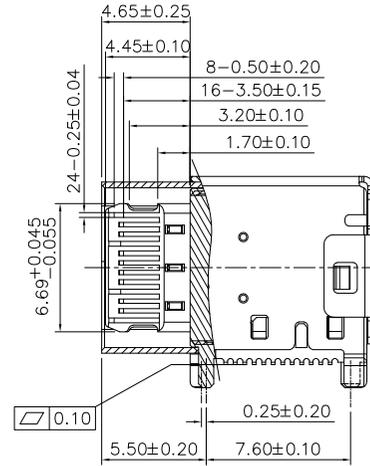
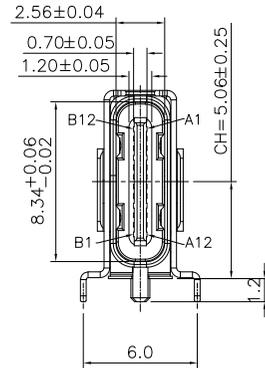
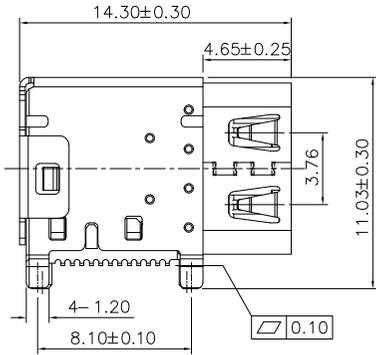
HALOGEN FREE

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2021/12/02	Ken Lin



SPECIFICATION

- CURRENT RATING : 5.0A FOR Vbus PIN,  
1.25A FOR Vconn PIN,  
0.25A FOR OTHER PINS.
- VOLTAGE RATING : 20V DC MAX.
- CONTACT RESISTANCE : 40mΩ.
- INSULATION RESISTANCE : 100MΩ MIN.
- DIELECTRIC WITHSTANDING VOLTAGE : 100 VAC MIN.
- OPERATING TEMPERATURE : -40°C TO +85°C.
- MATING FORCE : 5~20N.
- UNMATING FORCE : 8~20N.
- DURABILITY : 10,000 CYCLES.
- RECOMMENDED PROCESS :  
THE PEAK TEMPERATURE ON THE BOARD SHALL  
MAINTAIN 260°C.



MATRIX PART NO:

MUSB12 - 01 - 659

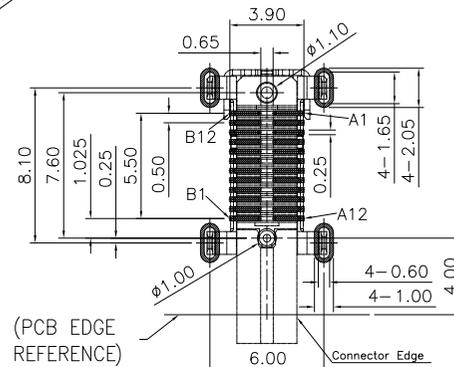
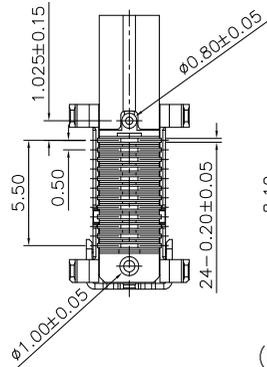
MATRIX TYPE-C

Series number

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

PIN ASSIGNMENT:

PIN	Signal Name	PIN	Signal Name
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	DN2
A7	Dn1	B6	DP2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND



(PCB EDGE REFERENCE)

Recommend of PC Board Holes

Tolerance : ±0.05(Top view)

NO.	DESCRIPTION	MATERIAL	REMARKS	QTY
4	SHELL	SUS304	Ni Plated	1PCS
3	MID PLATE	SUS301	Ni Plated	1PCS
2	CONTACT	C18150	Ni GOLD FLASH	1SET
1	HOUSING	LCP	UL 94V-0 BLACK	1PCS



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.30 X.XX ±0.25 X.XXX ±0.20 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2021/12/02	PART NAME: USB C TYPE 24PIN FEMALE 侧立式 3.2 Gen2	
UNIT: mm [inch]	CHECKED BY: Vicky Hsieh	DATE : 2021/12/02	PART NO.	MUSB12-01-659
SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2021/12/02	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2021/12/02	DRAW NO.	
			SHEET NO.	1 OF 1