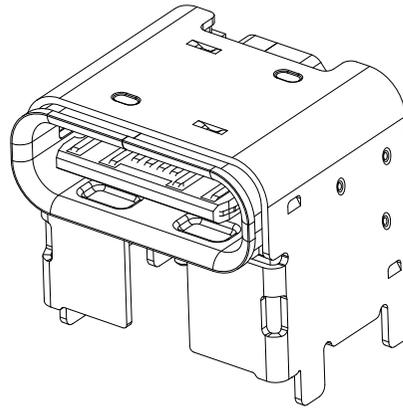
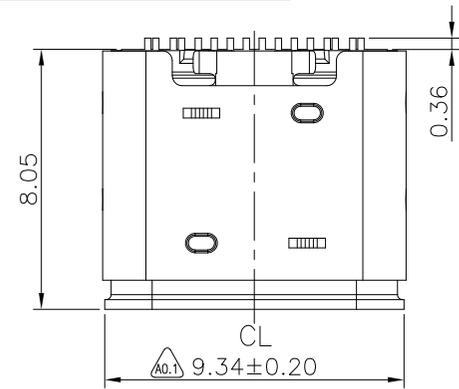


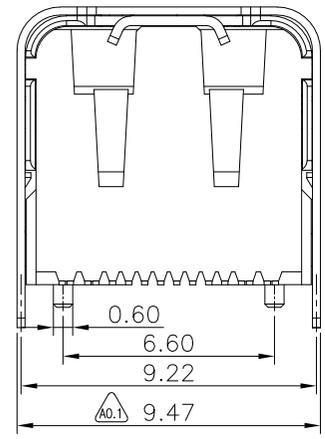
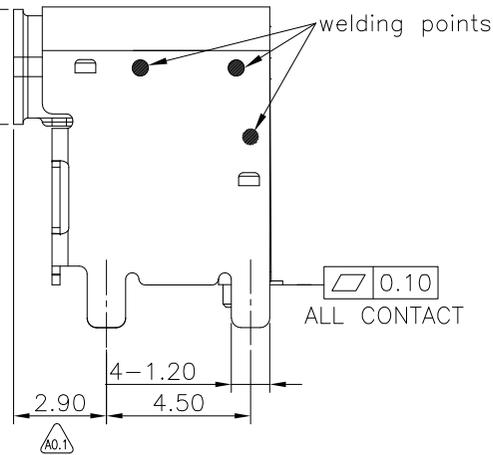
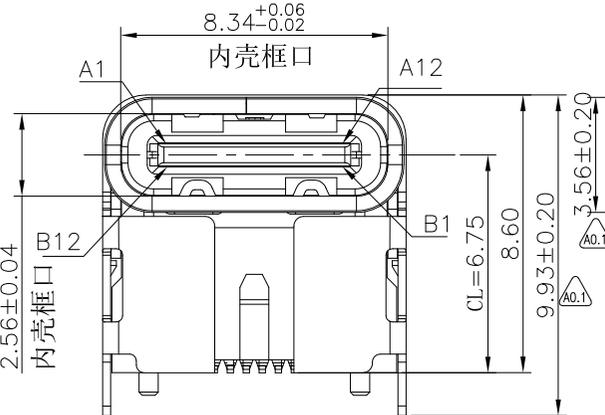
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2021/09/14	Ken Lin
A0.1			ADD DRAWING	2022/12/01	Ken Lin

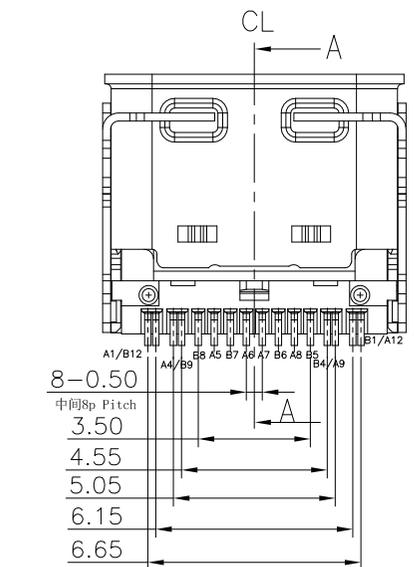


NOTES:

- MATERIAL:
 - MOLDING: LCP UL94 V-0, BLACK
 - CONTACT: COPPER ALLOY.
 - GOLD FLASH (1u" MIN.) PLATED ON CONTACT AREA,
 - 100u" Min TIN (LEAD FREE) ON SOLDER AREA,
 - SHELL: SUS 304 ,T=0.25±0.03MM
 - 50u" NICKEL PLATING OVER ALL.
- MECHANICAL:
 - INSERTION: 5~20N.
 - EXTRACTION: 8~20N.
 - DURABILITY: 10000 CYCLES
- ELECTRICAL:
 - CURRENT: 5A MAX FOR VBUS;
 - 1.25A FOR GND, 0.25A FOR OTHER.
 - VOLTAGE: 20VDC MAX
 - WITHSTANDING VOLTAGE: 100V AC.
 - CONTACT RESISTANCE: 40mΩ MAX.
 - INSULATION RESISTANCE: 100MΩ MIN.
- ENVIRONMENTAL
 - TEMPERATURE RANGE -30°C ~ +80°C
- MATERIALS HALOGEN FREE & RoHS COMPLIANT.



MATRIX PART NO:
 MUSB12 - 01 - 627
 MATRIX USB - Series number
 Plating
 01: Gold Flash (1u" Min.)
 15: 15u"
 30: 30u"



USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	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

6	SHELL	STAINLESS STEEL 304	NI Plated	1PCS
5	LATCH	STAINLESS STEEL 301	---	1PCS
4	MD	LCP EI30I	BLACK	1PCS
3	TOP CONTACT	C 7025	Au/Ni Plated	1SET
2	BOTTOM CONTACT	C 7025	Au/Ni Plated	1SET
1	HOUSING	LCP EI30I	BLACK	1PCS
NO.	DESCRIPTION	MATERIAL	REMARKS	QTY

Matrix Electronics Co., Ltd

TOLERANCE:
 X.X ±0.38
 X.XX ±0.25
 X.XXX ±0.15
 ANGLE: ±3°

DESIGN BY: Ken Lin
 DATE: 2022/12/01

CHECKED BY: Vicky Hsieh
 DATE: 2022/12/01

APPROVED BY1: Richard Hsieh
 DATE: 2022/12/01

APPROVED BY2: Richard Hsieh
 DATE: 2022/12/01

PART NAME: USB 2.0 Type-C 母座/板上式墊高型
 16PIN SMT GH=6.75

PART NO. MUSB12-01-627

MOLD NO. NA

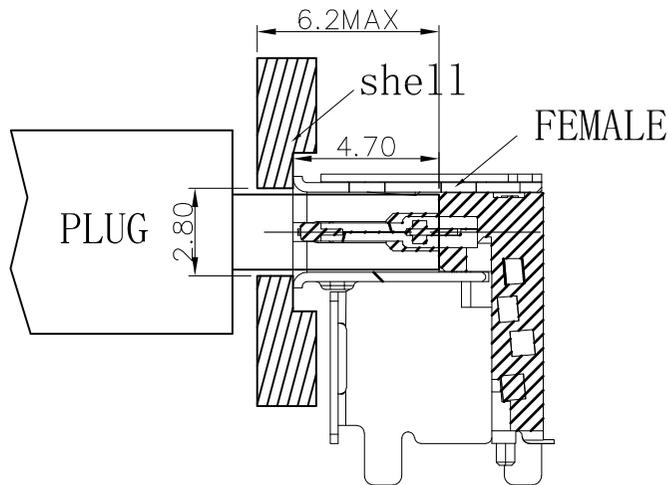
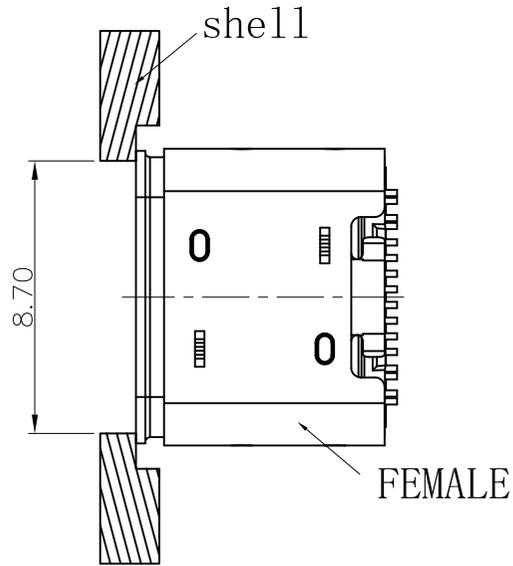
DRAW NO.

SHEET NO. 1 OF 2

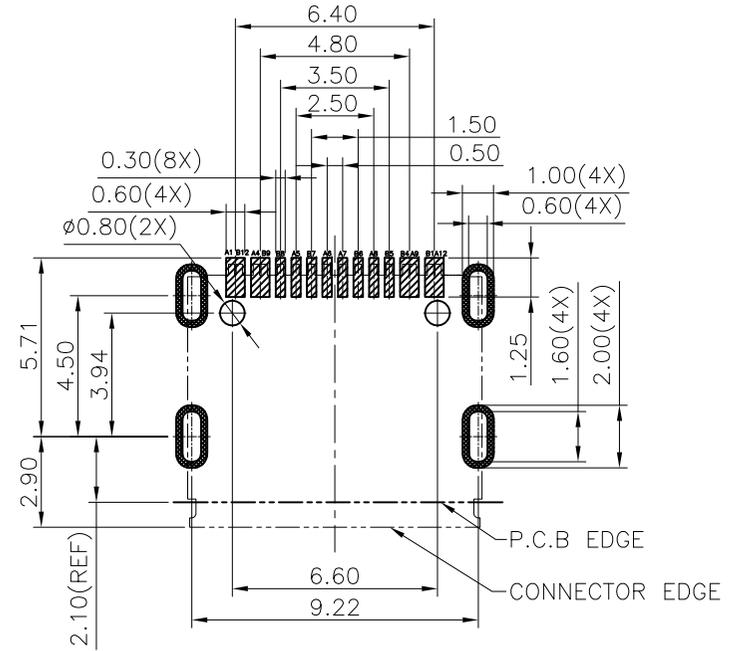
UNIT: mm [inch]
 SCALE: 1:1 SIZE: A4

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2021/09/14	Ken Lin
A0.1			ADD DRAWING	2022/12/01	Ken Lin



SECTION A-A
组装面板示意图



RECOMMENDED P.C.B. LAYOUT (T:0.80mm)
TOLERANCE UNSPECIFIED ±0.05mm



Matrix Electronics Co.,Ltd

TOLERANCE:	DESIGN BY :	DATE :	PART NAME:
X.X ±0.38	Ken Lin	2022/12/01	USB 2.0 Type-C 母座/板上式墊高型 16PIN SMT CH=6.75
X.XX ±0.25	CHECKED BY:	DATE :	PART NO.
X.XXX ±0.15	Vicky Hsieh	2022/12/01	MUSB12-01-627
ANGLE: ±3°	APPROVED BY1:	DATE :	MOLD NO.
	Richard Hsieh	2022/12/01	NA
	APPROVED BY2:	DATE :	DRAW NO.
	Richard Hsieh	2022/12/01	SHEET NO.
UNIT: mm [inch]			2 OF 2
SCALE:1:1	SIZE:A4		