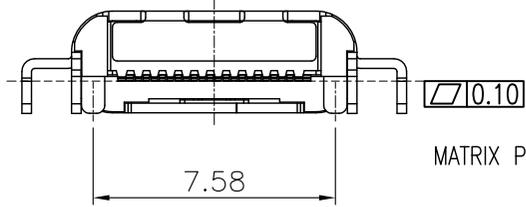
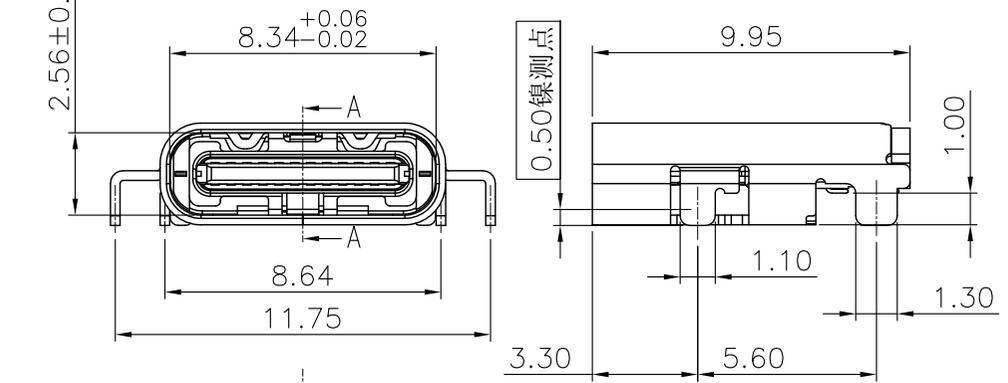
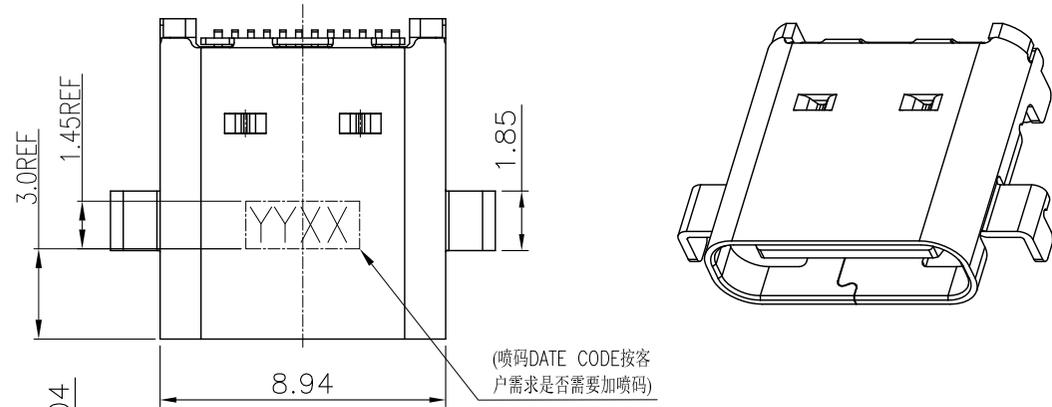


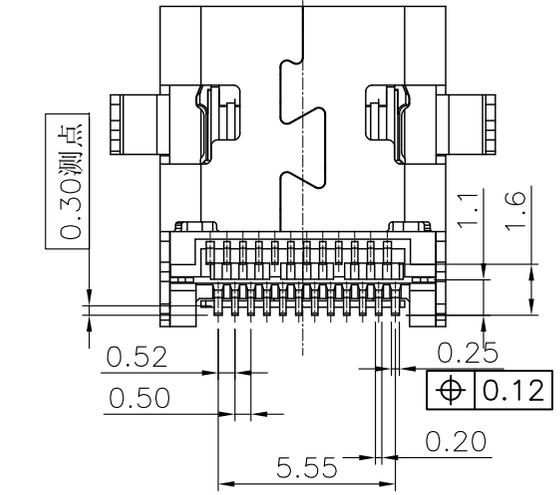
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/04/17	Hanson
A1			New Drawing	2022/01/11	Ken Lin



- MATERIAL:
 - MOLDING: LCP UL94 V-0, BLACK
 - CONTACT: COPPER ALLOY.
 - PLATED GOLD ON CONTACT AREA,
 - G/F GOLD ON SOLDER AREA,
 - 50u" NICKEL PLATING OVER ALL.
- SHELL: SUS304-H, T=0.30±0.03mm
- 50u" NICKEL PLATING OVER ALL.
- EMI SHIELD: SUS304-H, T=0.12±0.03mm
- LATCH: SUS301-H, T=0.15±0.03mm
2. MECHANICAL:
 - INSERTION: 5~20N.
 - EXTRACTION: 8~20N.
 - DURABILITY: 10000 CYCLES
3. ELECTRICAL:
 - CURRENT: 5A MIN FOR VBUS;
 - 0.25A MIN FOR OTHER.
 - VOLTAGE: 5VAC MAX
 - WITHSTANDING VOLTAGE: 100V AC.
 - CONTACT RESISTANCE: 40mΩ MAX.
 - INSULATION RESISTANCE: 100MΩ MIN.
4. ENVIRONMENTAL
 - TEMPERATURE RANGE: -30°C TO +80°C

MATRIX PART NO:
MUSB12 - 01 - 496
 MATRIX Type-C ——— Series number
 ——— Plating
 ——— 03:3u"
 ——— 15:15u"
 ——— 30:30u"



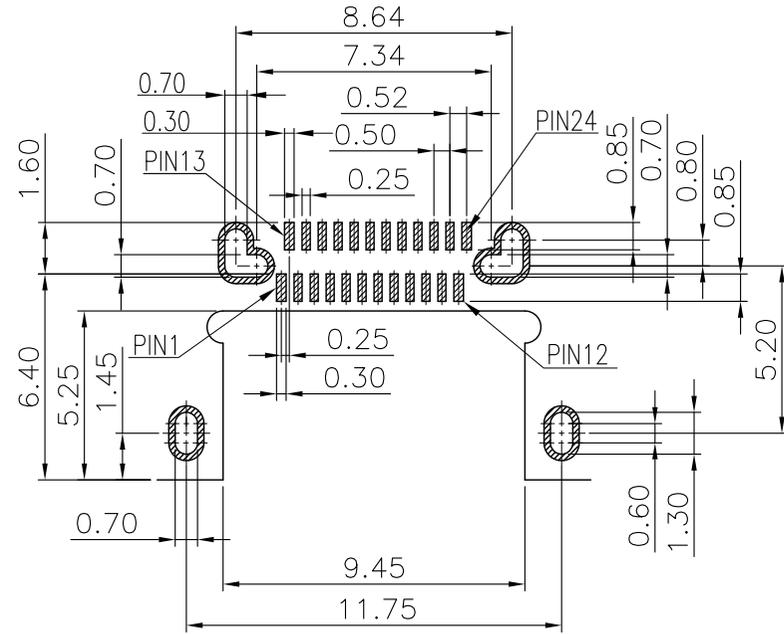
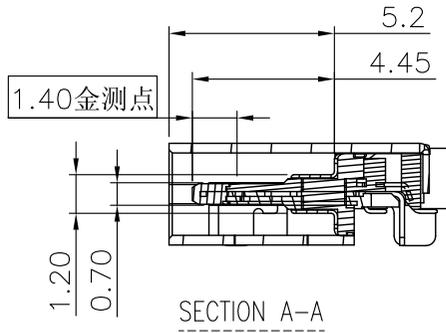


Matrix Electronics Co., Ltd

TOLERANCE: X: X ±0.38 X: X ±0.25 X: XX ±0.15 X: XXX ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2022/01/11	PART NAME: USB 3.1 TYPE-C 沉板 SMT成品双贴单壳 9.95 四脚插板 CH=0.60	
	CHECKED BY: Vicky Hsieh	DATE : 2022/01/11	PART NO.	MUSB12-01-496
 UNIT: mm [inch] SCALE: 1:1 SIZE: A4	APPROVED BY1: Richard Hsieh	DATE : 2022/01/11	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2022/01/11	DRAW NO.	
			SHEET NO.	1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/04/17	Hanson
A1			New Drawing	2022/01/11	Ken Lin



RECOMMENDED PCB LAYOUT

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	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


Matrix Electronics Co.,Ltd

TOLERANCE: X: X ±0.38 X:X ±0.25 X:XX ±0.15 X:XXX ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2022/01/11	PART NAME: USB 3.1 TYPE-C 沉板 SMT成品双贴单壳 9.95 四脚插板 CH=0.60	
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 UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2022/01/11	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2022/01/11	DRAW NO.	
			SHEET NO.	2 OF 2