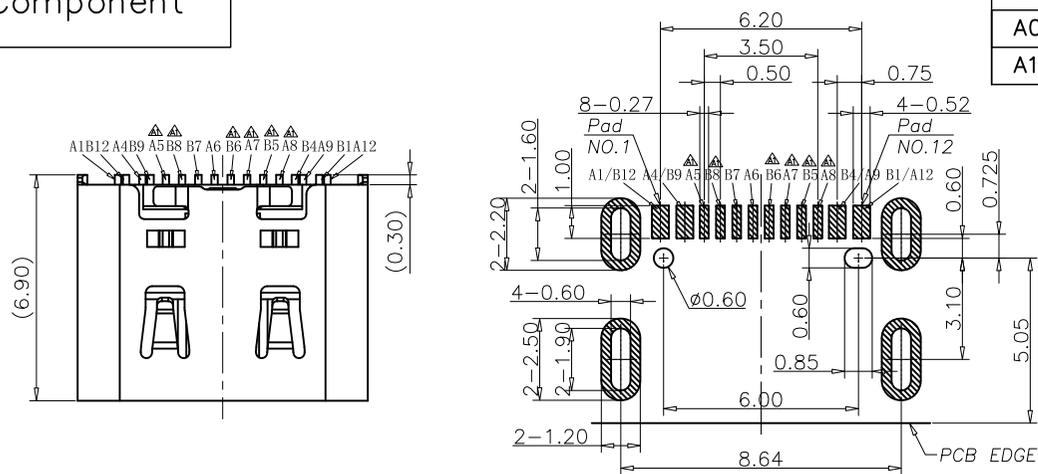


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/10/20	Hanson
A1			Modify PCB LAYOUT	2020/12/03	Ginny Liao

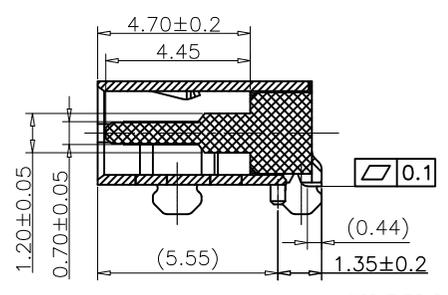
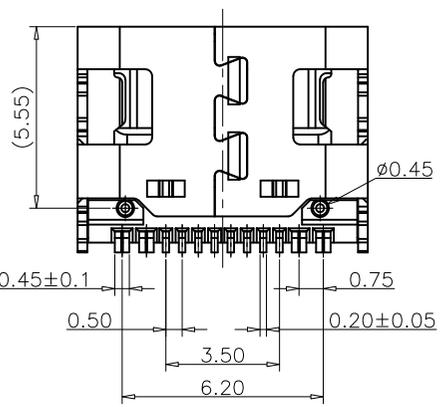
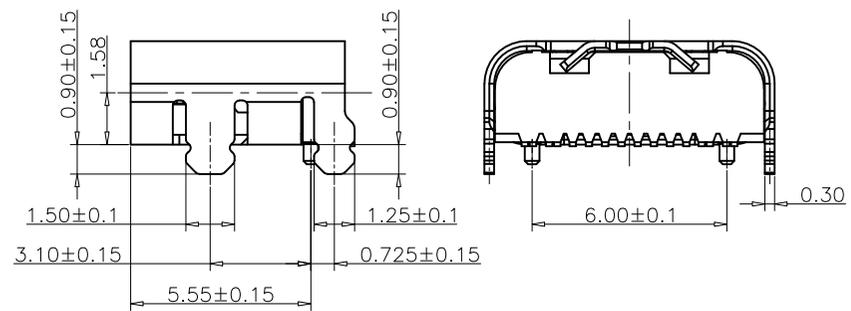
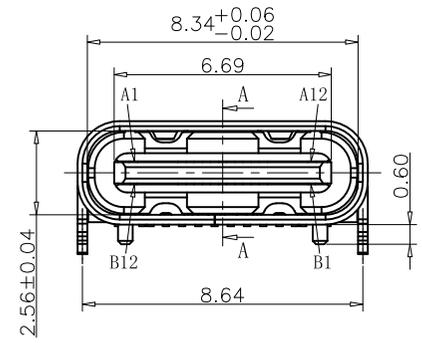
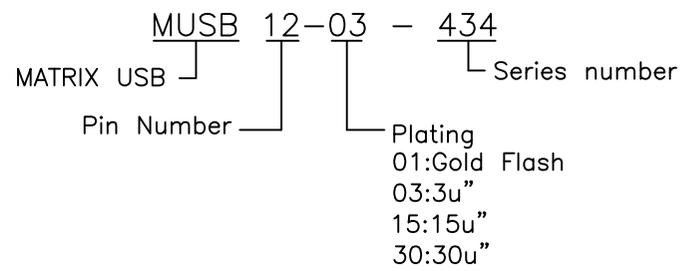


RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ±0.05

NOTES:

- 1.Mechanical:**
Insertion force: 0.5~2.0kgf
Removal force: 0.8~2.0kgf
Durability: 10000 times
- 2.Electrical:**
Current rating: 5.0A
Voltage rating: 5.0V
Insulation resistance: 100MΩ Min
Dielectric withstand voltage: AC 100V for 1Minute.
- 3.Environmental:**
Operating temperature: -30°C~+80°C
- 4.IR REFLOW:**
The peak temperature on the board shall be maintained for 10 seconds at 260°C

MATRIX PART NO:



SECTION A-A
SCALE 1:1

USB TYPE C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SUB2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

TABLE:

NO	PART	Q'TY	Material
1	SHELL	1	STAINLESS STEEL, Ni PLATED 30u"Min
2	CONTACT	16	COPPER STEEL, Ni 50u"Min; Au 3u"
3	MID PLATE	1	STAINLESS STEEL, NO PLATING
4	MD HOUSING	1	HIGH TEMPERATURE RESISTANT PLASTIC BLACK UL94 V-0



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGLE: ±3°	DESIGN BY : Ginny Liao	DATE : 2020/12/03	PART NAME: TYPE C 16P母座板上 L=6.9 CL=1.58(外壳有弹片)	
UNIT: mm [inch] SCALE: 1:1 SIZE: A4	CHECKED BY: Vicky Hsieh	DATE : 2020/12/03	PART NO.	MUSB12-03-434
	APPROVED BY1: Richard Hsieh	DATE : 2020/12/03	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2020/12/03	DRAW NO.	
			SHEET NO.	1 OF 1

PAD NO.:	1	2	3	4	5	6	7	8	9	10	11	12
PIN NUMBER	A1/B12	A4/B9	A5	B8	B7	A6	B6	A7	B5	A8	B4/A9	B1/A12
SIGNAL NAME	GND	VBUS	CC1	SBU2	Dn2	Dp1	Dp2	Dn1	CC2	SBU1	VBUS	GND

PCB Pads PIN ASSIGNMENTS