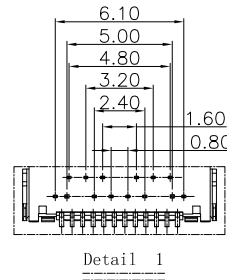
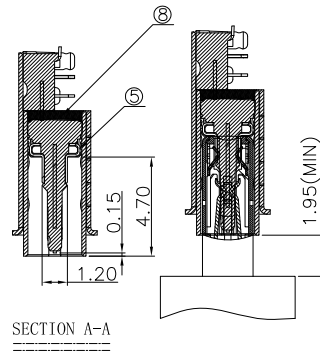
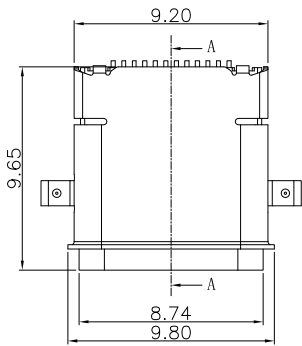
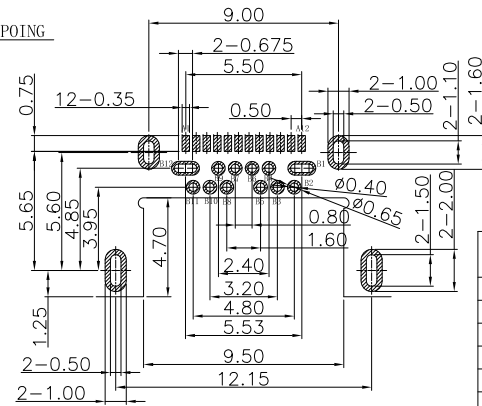
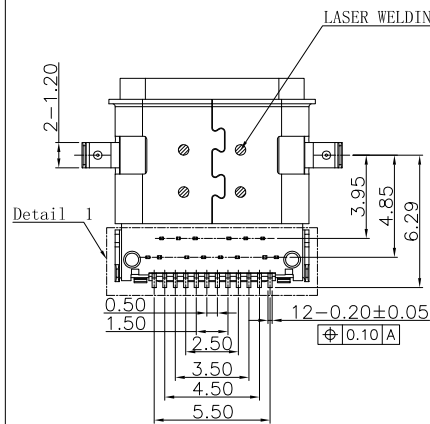
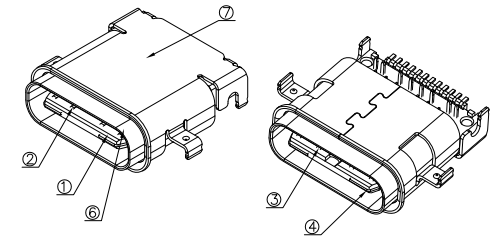
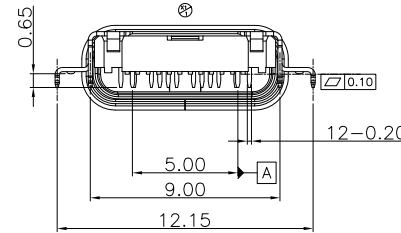
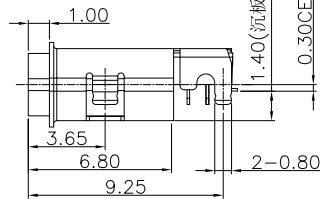
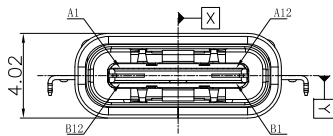


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2017/07/28	Phebe Su



Detail 1



RECOMMENDED P.C.B LAYOUT(Both sides are sample)
Tolerance:±0.05,Thickness=0.60mm

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	V _{BUS}	First	B9	V _{BUS}	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V _{BUS}	First	B4	V _{BUS}	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

NOTES:

1. MATERIAL: SEE "TABLE 1";
2. FINISH: SEE "TABLE 1";
3. ELECTRICAL :
 - 3-1.CONTACT CURRENT RATING :
5A(VBUS PIN 1.5A/PIN),
5A(GND PIN 1.25A/PIN MAX),0.25A/PIN(OTHER PIN).
 - 3-2.INSULATION RESISTANCE :
100 MEGAOHMS MIN. AT 250VDC.
 - 3-3.DIELECTRIC WITHSTANDING VOLTAGE :
100VAC MIN.
 - 3-4.LOW LEVEL CONTACT RESISTANCE :
INITIAL 40mΩ MAX.
AFTER 50mΩ MAX.
4. MECHANICAL CHARACTERISTICS :
 - 4-1.MATING FORCE: 5~20N.;
 - 4-2.UNMATING FORCE: 8~20N(INITIAL),6~20N(AFTER 10000 CYCLES);
 - 4-3. DURABILITY : 10,000 MATING CYCLES.
 - 4-4. OPERATING TEMPERATURE : -40°C TO +85°C
5. This material Complies with IPX7.

TABLE 1:

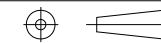
NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK
⑧	GLUE WATER	1	EPOXY	BLACK;	
⑦	Shell-2	1	Stainless steel	Ni PLATING;	T=0.20mm
⑥	Shell-1	1	Stainless steel	Ni PLATING;	T=0.20mm
⑤	GND PLATE	1	Stainless steel	Ni PLATING;	T=0.10mm
④	MID PLATE	1	Stainless steel		T=0.15mm
③	Terminal-B	12	铜镍硅合金	Au:1u" PLATING;	T=0.12mm
②	Terminal-A	12		Au:1u" PLATING;	T=0.12mm
①	Housing	1	HIGH TEMP	Black	



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TOLERANCE:

X.X: ±0.30
X.XX ±0.20
X.XXX ±0.10
ANGLE: ±3°



UNIT: mm [inch]

SCALE:1:1 SIZE:A4

DESIGN BY :

Phebe Su

CHECKED BY:

Vicky Hsieh

APPROVED BY1:

Richard Hsieh

APPROVED BY2:

Richard Hsieh

DATE :

2017/07/28

DATE :

2017/07/28

DATE :

2017/07/28

DATE :

2017/07/28

PART NAME:

USB 3.1 Type C Gen 2 Female Waterproof
R/A, Offset type, CL 0.30

PART NO.

MUSB12-01-264

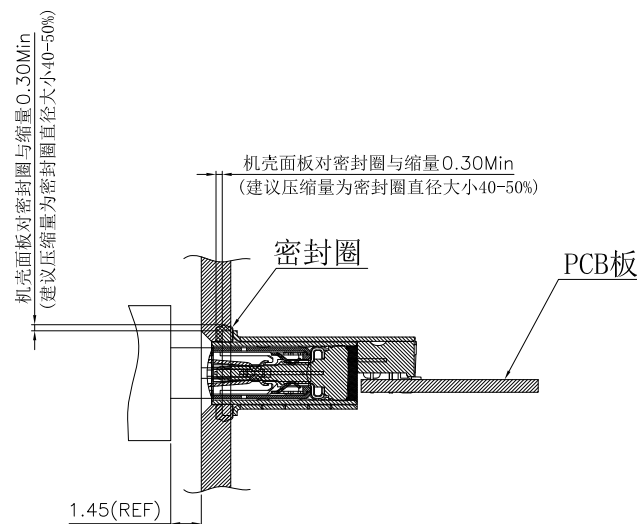
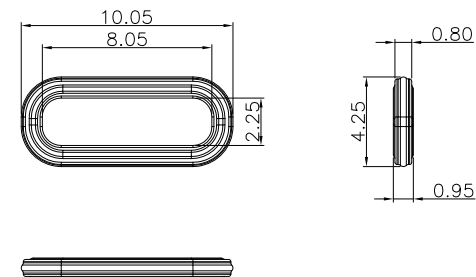
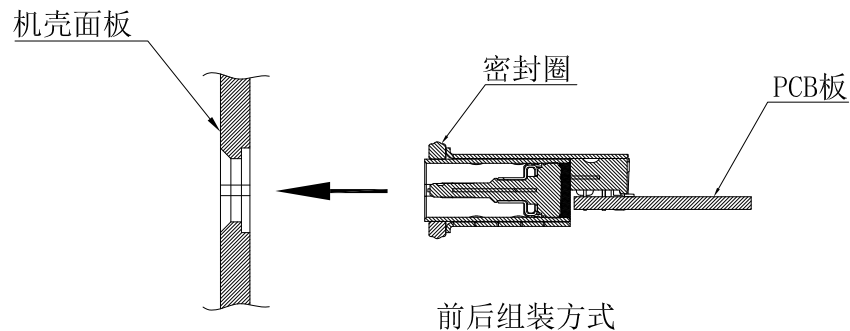
MOLD NO.

NA

DRAW NO.

SHEET NO. 1 OF 2

建议密封方式



组装面板后公母头对插示意图

MATRIX PART NO:

MUSB12-01-264

MATRIX USB

Pin Number

Series number

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

Matrix Electronics Co.,Ltd

TOLERANCE: X:X X:XX X:XXX ANGLE: $\pm 3^\circ$	DESIGN BY : Phebe Su	DATE : 2017/07/28	PART NAME: USB 3.1 Type C Gen 2 Female Waterproof R/A, Offset type, CL 0.30	
	CHECKED BY: Vicky Hsieh	DATE : 2017/07/28	PART NO.	MUSB12-01-264
 UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2017/07/28	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2017/07/28	DRAW NO.	
SCALE:1:1	SIZE:A4		SHEET NO.	2 OF 2