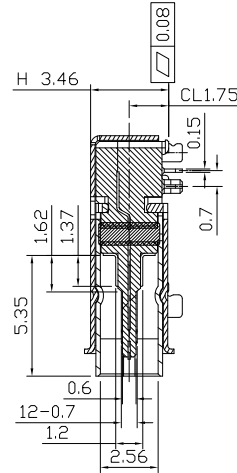
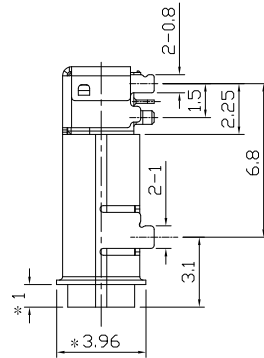
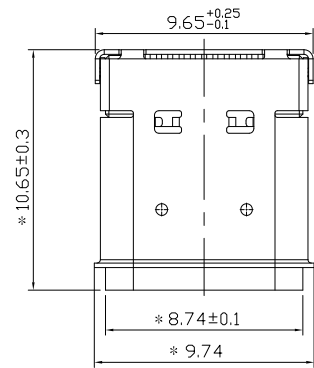
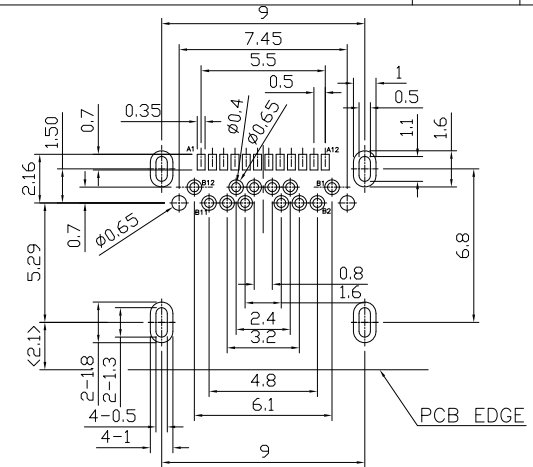
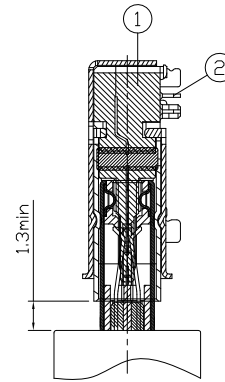


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/03/28	Phebe Su



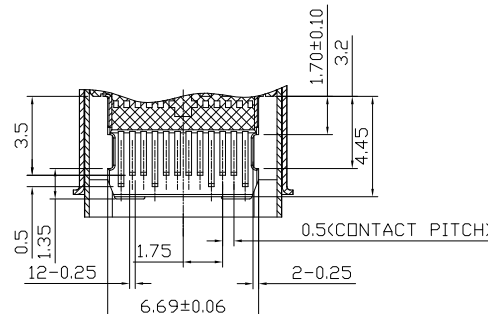
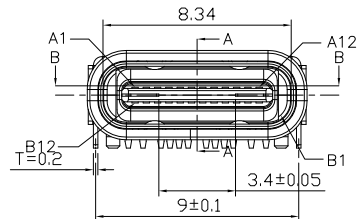
SECTION A-A



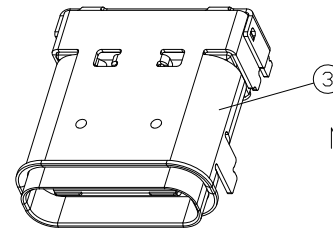
RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ± 0.05

KEEP OUT AREA



SECTION B-B



MATRIX PART NO:

MUSB12-01-227

MATRIX USB

Series number

Pin Number

Plating

01:Gold Flash

15:15u"

30:30u"

NOTE:

1.MATERIAL:

- 1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL94 V-0; LCP BLACK
- 1.2 CONTACT: COPPER ALLOY(T=0.15mm)
- 1.3 SHELL: STAINLESS STEEL(T=0.20mm)

2.ELECTRICAL CHARACTERISTICS:

- 2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
- 2.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
- 2.4 INSULATION RESISTANCE 100MΩ Min
- 2.5 OPERATING TEMPERATURE: -40°C ~ 85°C

3 MECHANICAL CHARACTERISTICS:

- 3.1 MATING FORCE: 5~20 N.
- 3.2 UNMATED FORCE: 8~20N AFTER TEST
- 3.3 DURABILITY: 10,000 CYCLES

4.PLATING

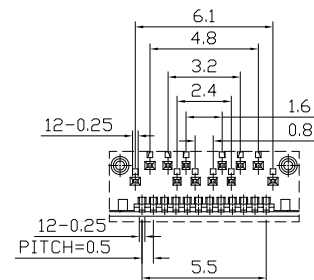
- 4.1 TERMINAL CONTACT: G/F PLATING ALL OVER 50u" Min NICKEL AND 80u" Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA
- 4.2 OUT SHELL: 50u" Min. NICKEL ALL OVER
- 4.3 INNER SHELL: DEGREASE

5.FOR REFLOW SOLDERING LEAD-FREE PROCESS&The O-Ring can not go through the IR process with waterproof connector together.

6.Housings and O-rings are packed separately.

7.The connector can go through the IR process once only.

8.This material Complies with IP67.



Detail A

3	SHELL	SUS201	See Note"
2	CONTACT	C2680	See Note"
1	INSULATOR	LCP	UL94V-0 BLACK
LTR	PART NAME	MATERIAL	REMARK



Matrix Electronics Co.,Ltd

TOLERANCE: X:X X:XX X:XX X:XXX ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Phebe Su	2017/03/28	USB 3.1 CF WATERPROOF CL1.75 H3.46mm	
APPROVED BY1: Richard Hsieh	CHECKED BY:	DATE :	PART NO.	MUSB12-01-227
	Vicky Hsieh	2017/03/28	MOLD NO.	NA
UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY2:	DATE :	DRAW NO.	
	Richard Hsieh	2017/03/28	SHEET NO.	1 OF 2

机壳面板对密封圈与缩量0.3Min
(建议压缩量为密封圈直径大小35-45%)

密封圈

PCB板

0.8Min

PCB EDGE

Technical drawing of a rectangular water stop with rounded corners, showing top, side, and cross-sectional views with dimensions in mm.

Top View Dimensions:

- Overall width: 10.94
- Inner width: 8.4
- Overall height: 5.14
- Inner height: 2.62

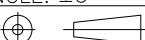
Side View Dimensions:

- Overall height: 3.82
- Inner height: 0.44

Cross-sectional View Dimensions:

- Overall thickness: 1.3
- Inner thickness: 0.32

建议防水圈规格（材质硅橡胶）

NO	VARIETY	QTY	MATERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X.X ±0.30 X.XX ±0.25 X.XXX ±0.20 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2017/03/28	PART NAME: USB 3.1 CF WATERPROOF CL1.75 H3.46mm
 UNIT: mm [inch]		CHECKED BY: Vicky Hsieh	DATE : 2017/03/28	PART NO. MUSB12-01-227
		APPROVED BY1: Richard Hsieh	DATE : 2017/03/28	MOLD NO. NA
SCALE:1:1 SIZE:A4		APPROVED BY2: Richard Hsieh	DATE : 2017/03/28	DRAW NO.
		SHEET NO. 2 OF 2		