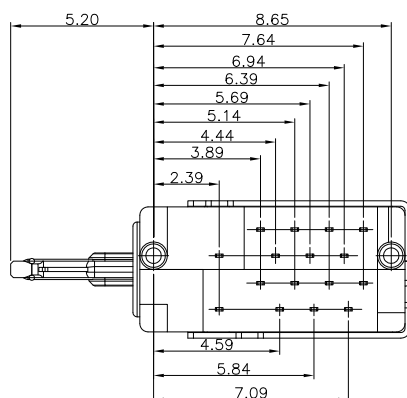
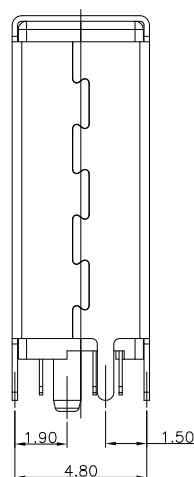
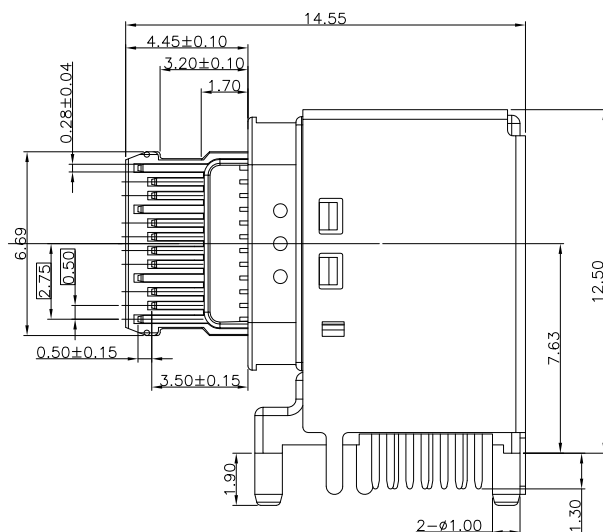
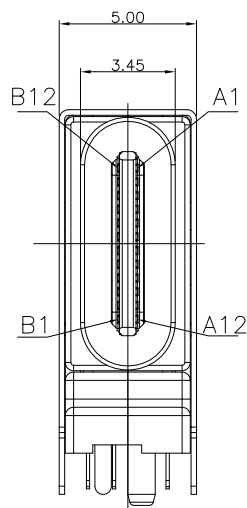
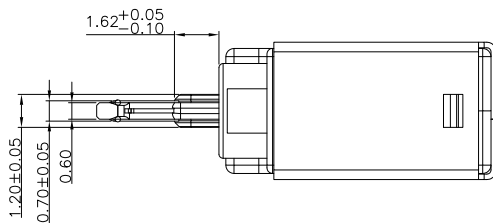


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/07/28	Phebe Su
A1			Change housing color	2017/09/20	Phebe Su



NOTES:

1.MATERIAL:

MOLDING: LCP WHITE UL94 V-0

CONTACT: COPPER ALLOY.

GOLD FLASH PLATED Min ON CONTACT AREA,
100u" Min TIN (LEAD FREE) ON SOLDER AREA,

SHELL: SUS304-H,T=0.30±0.03mm

50u" NICKEL PLATING OVER ALL.

SHILD: SUS304-H,T=0.12±0.03mm

2.MECHANICAL:

INSERTION: 5~20N.

EXTRACTION: 8~20N AFTER TEST.

DURABILITY: 10000 CYCLES

3.ELECTRICAL:

CURRENT: 5A FOR VBUS;

1.25A FOR GND PIN.

0.25A FOR OTHER.

VOLTAGE: 20 V MAX

WITHSTANDING VOLTAGE: 100V AC R.M.S.

CONTACT RESISTANCE: 40mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN.

4.ENVIRONMENTAL

TEMPERATURE RANGE -40°C ~ +85°C

MATRIX PART NO:

MUSB12-01-263

MATRIX USB

Pin Number

Series number

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

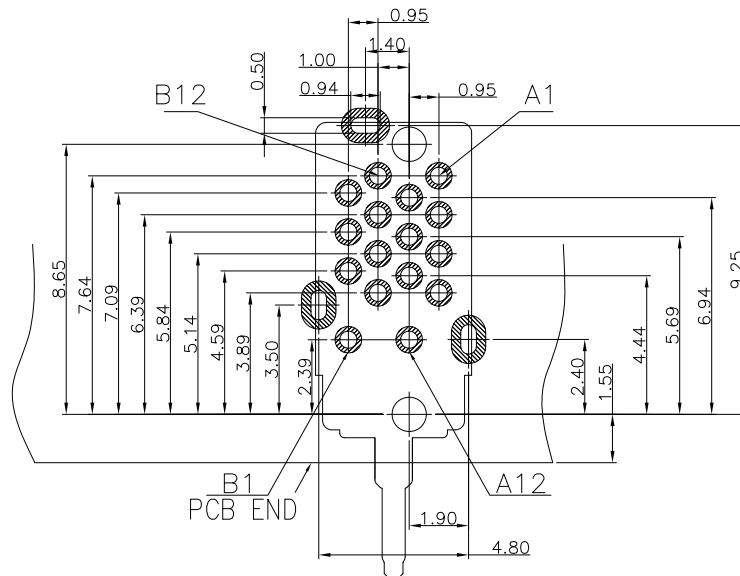
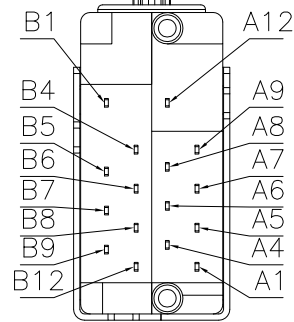
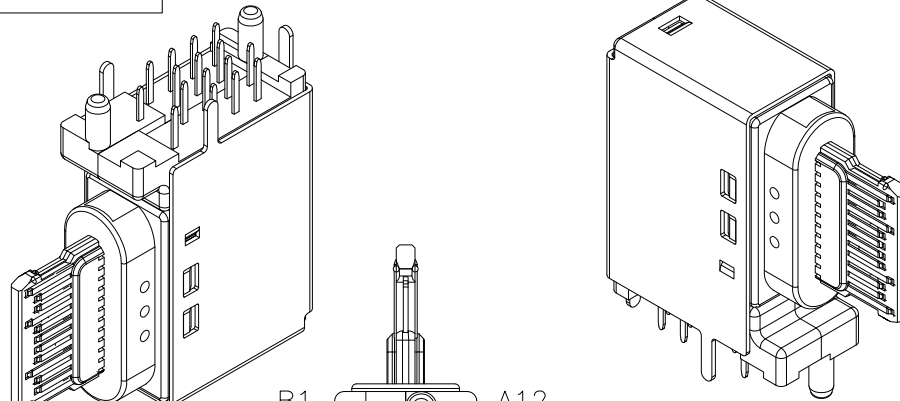


Matrix Electronics Co.,Ltd

TOLERANCE: X.X X.XX X.XXX ANGLE: ±3°	DESIGN BY : Phebe Su CHECKED BY: Vicky Hsieh APPROVED BY1: Richard Hsieh APPROVED BY2: Richard Hsieh	DATE : 2017/09/20 DATE : 2017/09/20 DATE : 2017/09/20 DATE : 2017/09/20	PART NAME: USB 2.0 Type C Female Flag type, CL 7.63 PART NO. MUSB12-01-263 MOLD NO. NA DRAW NO. SHEET NO. 1 OF 2
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GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/07/28	Phebe Su
A1			Change housing color	2017/09/20	Phebe Su



RECOMMEND P.C.B LAYOUT (THICKNESS=0.1mm)
(COMPONENT SIDE) TOLERANCE±0.02

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuraation Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A12	GND	Ground return	B1	GND	Ground return



Matrix Electronics Co.,Ltd

TOLERANCE: X.X X.XX ±0.25 X.XXX ±0.15 X.XXX ±0.05 ANGLE: ±3°	DESIGN BY : Phebe Su	DATE : 2017/09/20	PART NAME: USB 2.0 Type C Female Flag type, CL 7.63
	CHECKED BY: Vicky Hsieh	DATE : 2017/09/20	PART NO. MUSB12-01-263
	APPROVED BY1: Richard Hsieh	DATE : 2017/09/20	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2017/09/20	DRAW NO. SHEET NO. 2 OF 2