

GP Component

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

NOTES:

1.MATERIAL:

MOLDING: LCP BLACK 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:

MUSB12-01-246

MATRIX USB

Pin Number

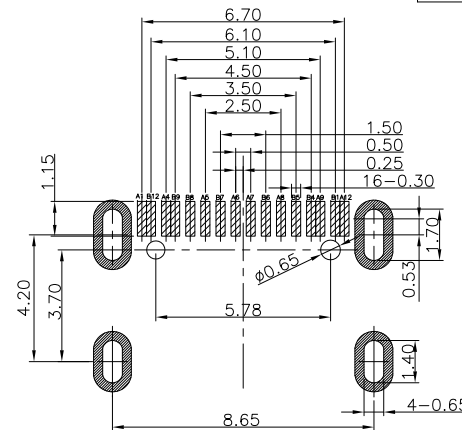
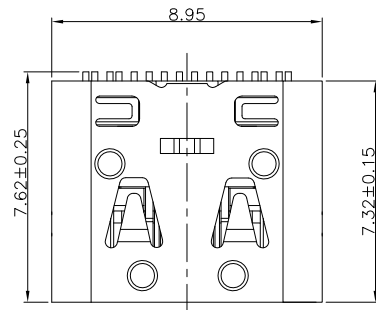
Series number

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

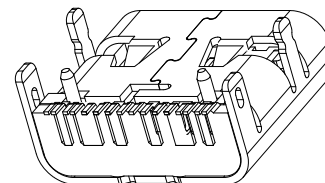
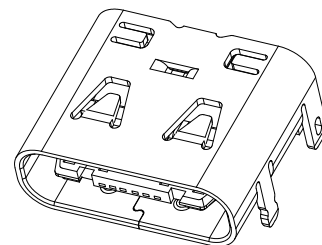
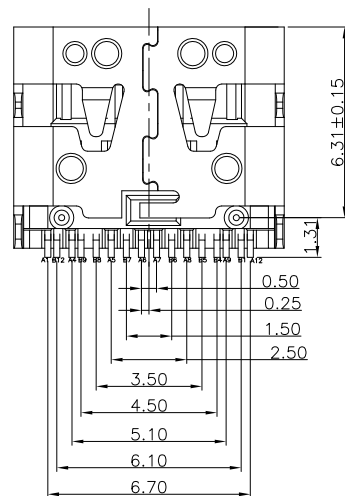
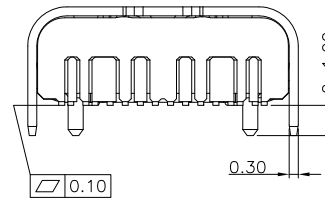
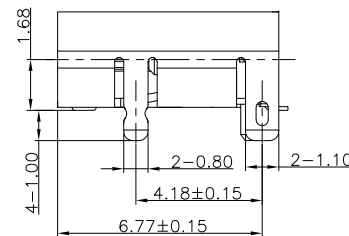
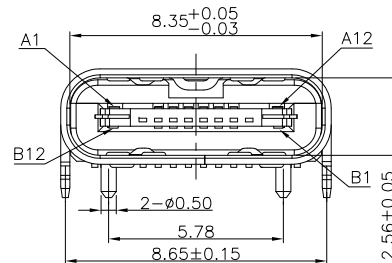
Matrix Electronics Co.,Ltd



TOLERANCE: X:X X:XX ±0.25 X:XXX ±0.15 X:XXX ±0.05 ANGLE: ±3°	DESIGN BY : Phebe Su	DATE : 2017/07/28	PART NAME: USB 2.0 Type C Female R/A, CL 1.68
APPROVED BY1: Richard Hsieh	CHECKED BY: Vicky Hsieh	DATE : 2017/07/28	PART NO. MUSB12-01-246
APPROVED BY2: Richard Hsieh	DATE : 2017/07/28	MOLD NO. NA	DRAW NO.
SCALE:1:1	SIZE:A4	SHEET NO.	1 OF 1



RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm



A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME