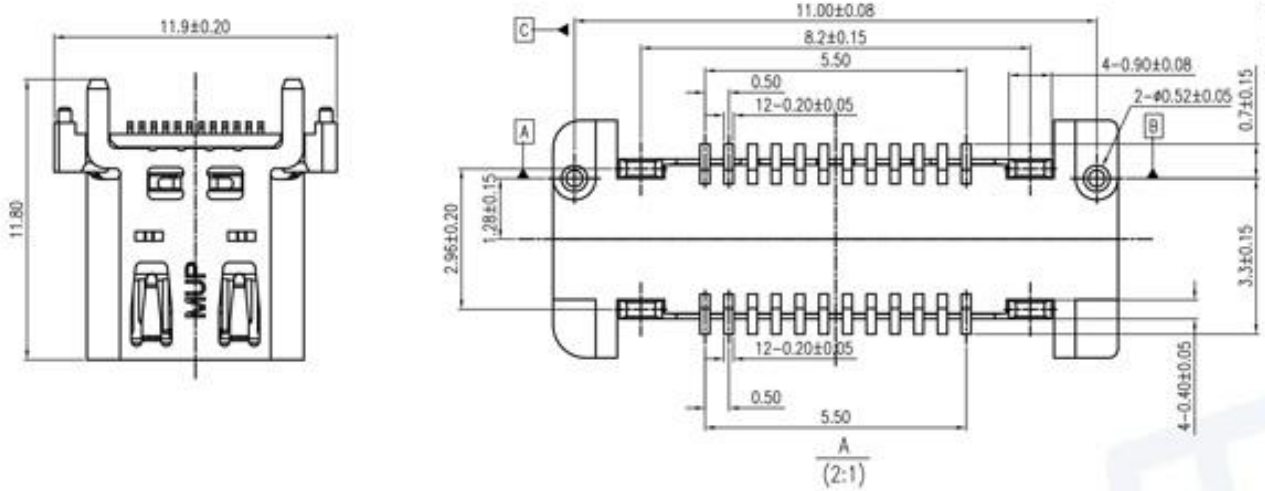
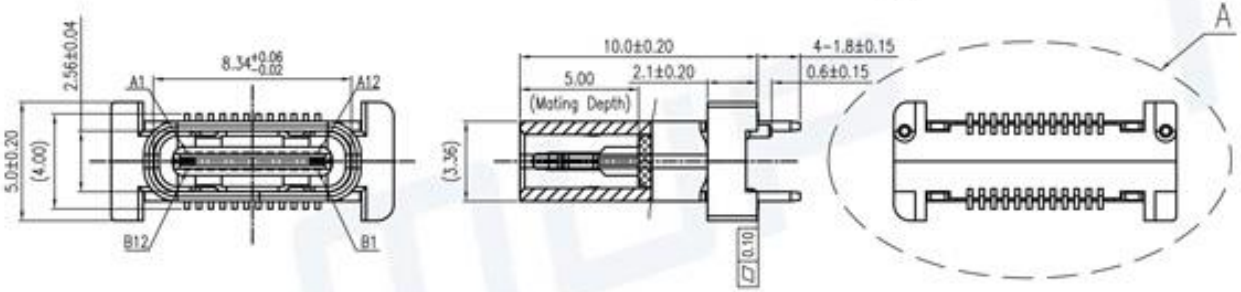
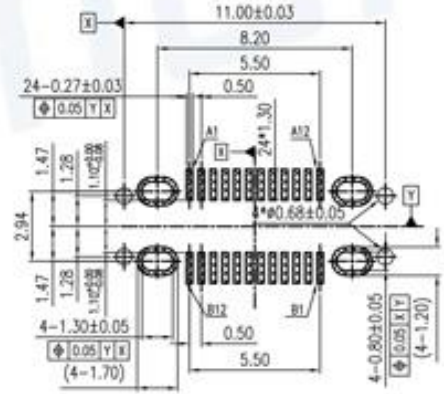
REV.	DESCRIPTION OF REVISIONS	APPR.	CHKD.	DRAW.	DATE
1	Original reversion	lucky	lucky	Roy	2018/04/25
2	Add product model	lucky	lucky	Roy	2020/03/19
3	Update drawing	lucky	lucky	Roy	2022/10/13
4	Change product model No.	lucky	lucky	Roy	2023/10/25

NOTE:
1. MECHANICAL:
   1-1.MATING FORCE: 0.5~2.0Kgf
   1-2.UMMATING FORCE: Initial: 0.8~2.0Kgf
   After 500 to 10,000cycles: 0.6~2.0Kgf
   1-3.FREQUENCE:500 : 50 CYCLES/HOUR,10000 CYCLES;
2. ELECTRICAL CHARACTERISTICS:
   2-1. CURRENT RATING: 1.25A/PIN FOR FOR VBUS AND GND
   0.25 A FOR OTHER PINS
   2-2. INITIAL CONTACT RESISTANCE:40mΩ Max.
   2-3. INSULATION RESISTANCE:100MΩ MIN
   2-4. WITHSTANDING VOLTAGE:100V AC,1 MINUTE;
3. ENVIRONMENTAL
   TEMPERATRUE RANGE: -40C TO +85°C.



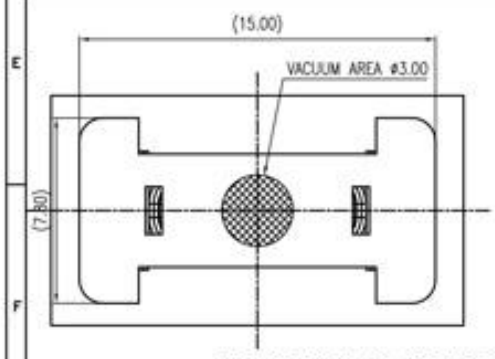




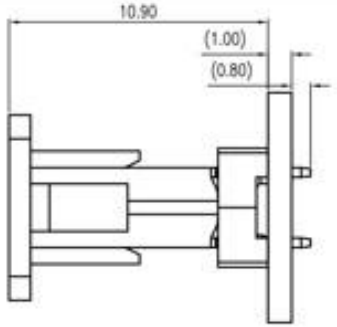
RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm

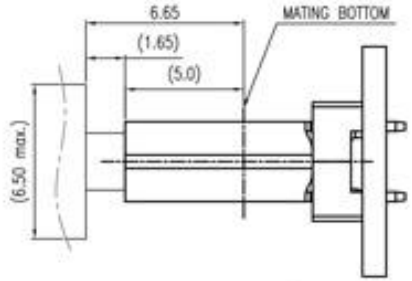
Model No.	Contact plating
MUP-U23001-01	Au: 3u"
MUP-U23001-02	Au: 1u"

A1	GND	B12	GND
A2	SSTXP1	B11	SSRXP1
A3	SSTXN1	B10	SSRXN1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXN2	B3	SSTXN2
A11	SSRXP2	B2	SSTXP2
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME



CAP ASSEMBLY AND MOUTING CONDITION (REF)





MATED CONDITION (REF)

ITEM	PART NAME	Q'TY	MATERIAL	FINISH
1	Molding	1	THERMOPLASTIC	Black, UL94V-0
2	CONTACT	24	HIGH CONDUCTIVITY COPPER	Contact area:Gold plated over Ni.
3	SHELL	1	STAINLESS STEEL	Ni plated over all
4	MID-PLATE	1	STAINLESS STEEL	Cleaning
5	CAP	1	THERMOPLASTIC	Black, UL94V-0

Unless otherwise specified, other tolerance are:

X	±0.40	X°	±5°
X.X	±0.30	X.X°	±4°
X.XX	±0.20	X.XX°	±3°
X.XXX	±0.10	X.XXX°	±2°

PROJ. | UNIT mm | SCALE 1:1

CUSTOMER DRAWING

MUP® MUP INDUSTRIAL CO.,LTD.

NAME: USB Type C Vertical Mount Receptacle

MODEL NO: MUP-U23001-XX

TYPE : 24Pin & USB 3.1 Without GND-PLATE Height 10.0mm

DRAW	Roy 2018/04/25	DWG NO. DWG-U23001-XX-01
CHECKED	lucky 2018/04/25	
APPROVAL	lucky 2018/04/25	SHEET 1/2 / REVISION 4