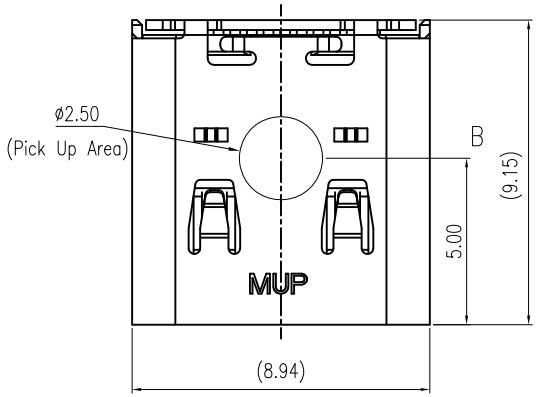
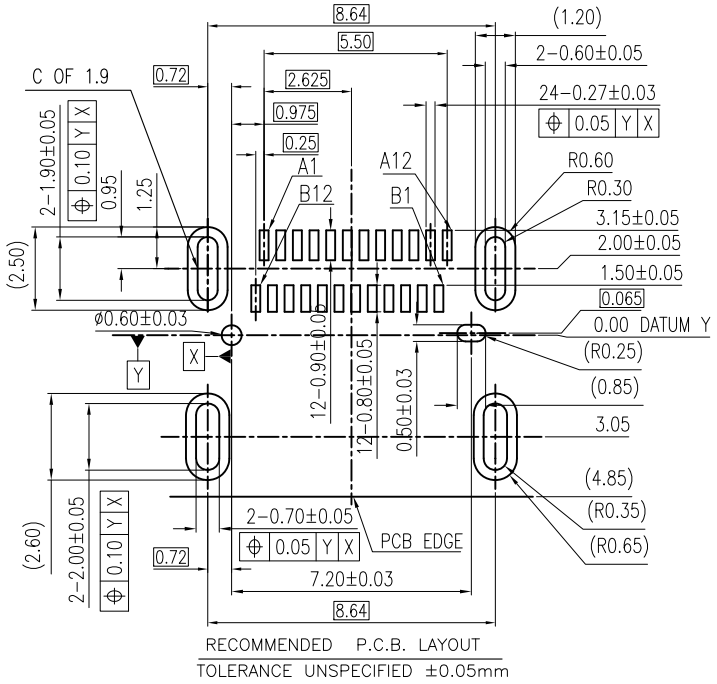
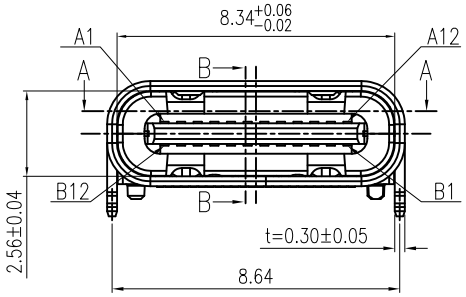
REV.	DESCRIPTION OF REVISIONS	APPR.	CHKD.	DRAW.	DATE
1	Original reversion	Roy	lucky	lucky	2023.03.06

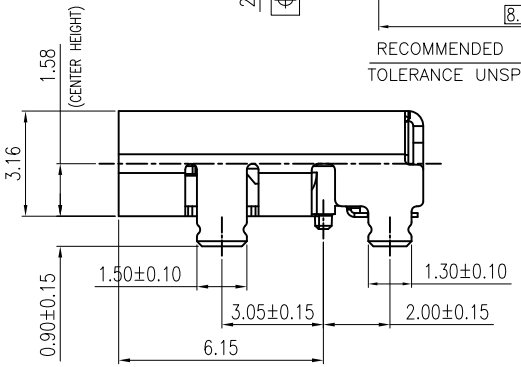


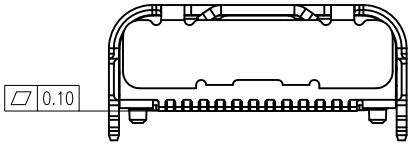


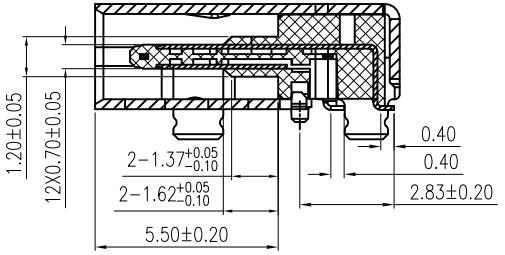
RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm

NOTE:
1. MATERRIAL:
   MOLDING:LCP UL94 V-0
   CONTACT:COPPER ALLOY, C7025;
   CONTACT AREA:GOLD PLATED 5U" OVER NICKEL;
   SOLDER TAILS:GOLD FLASH OVER NICKEL.
   SHELL: SUS304-1/2H, T=0.30±0.03mm
   30u"NICKEL PLATING OVER ALL.
   SHILD:SUS301-EH,T=0.15±0.03mm
   GND PLATE:SUS304-H,T=0.10±0.02mm
2. MECHANICAL:
   2-1 Insertion force: 5-20N
   2-2 Extraction force: 1-500CYCLES 8-20N
   Extraction force: 501-1000CYCLES 6-20N
   2-3.FREQUENCE:200±50 CYCLES/HOUR,10000 CYCLES;
3. ELECTRICAL CHARACTERISTICS:
   3-1. CURRENT RATING: 5.0A Max.
   3-2. INITIAL CONTACT RESISTANCE:40mΩ Max.
   3-3. INSULATION RESISTANCE:100MΩ MIN
   3-4. WITHSTANDING VOLTAGE:100V AC,1 MINUTE;
4. ENVIRONMENTAL
   TEMPERATRUE RANGE: -25°C TO +85°C.

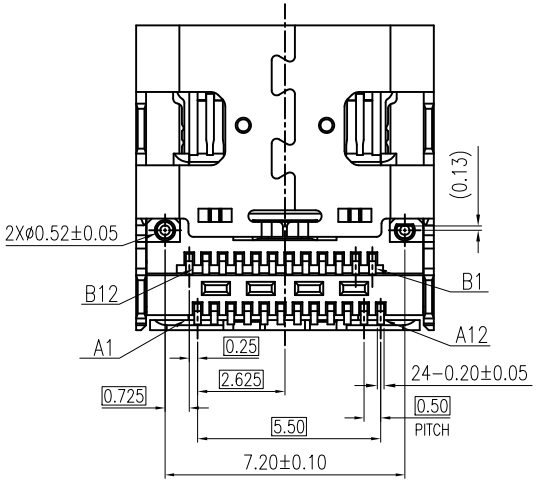


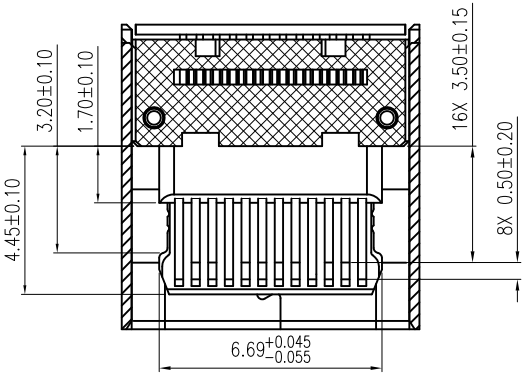






SECTION B-B





SECTION A-B

A1	GND	B12	GND
A2	TX1+	B11	RX1+
A3	TX1-	B10	RX1-
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	D+	B7	D-
A7	D-	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RX2+	B3	TX2-
A11	RX2-	B2	TX2+
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

Unless Otherwise specified, other tolerance are:			
X.	±0.40	X°.	±5°
X.X	±0.30	X.X°	±4°
X.XX	±0.25	X.XX°	±3°
X.XXX	±0.15	X.XXX°	±2°

APPR.	LUCKY/2023.03.06				
CHKD.	LUCKY/2023.03.06				
DRAW.	Roy/2023.03.06	PROJ.	UNIT mm	SCALE 1:1	SHEET 1/1	REVISION 1

PROCESS COMPLIANT

MUP® MUP INDUSTRIAL CO.,LTD.

NAME: **USB Type C Mid-mount Dual-Row SMT Receptacle**

MODEL No: **MUP-U20210**

TYPE : **24P & USB 4.0 & Dual-Row SMT CH1.58**

PRAT NO.: U20210-1

DWG NO.: DWG-U20201-1-001