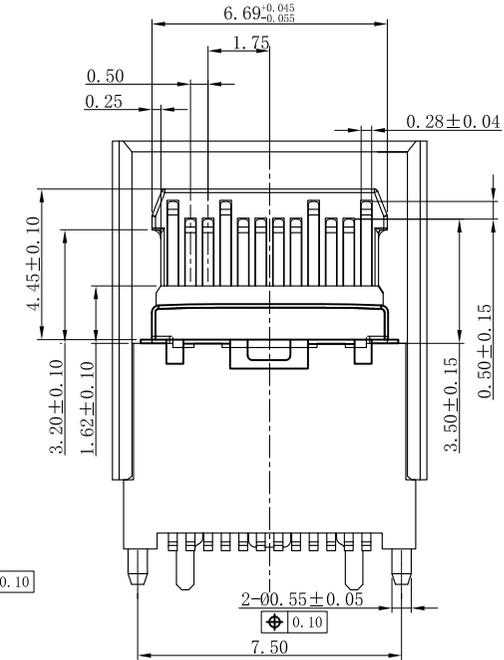
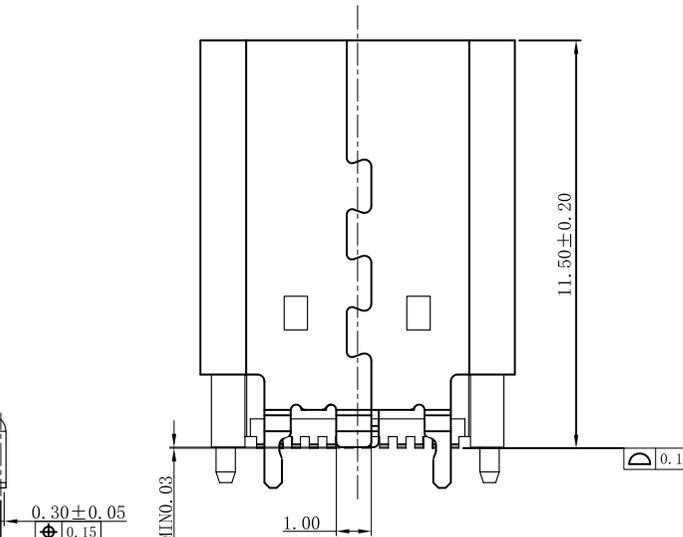
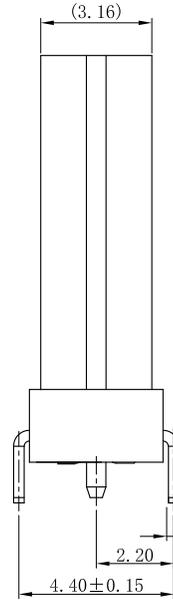
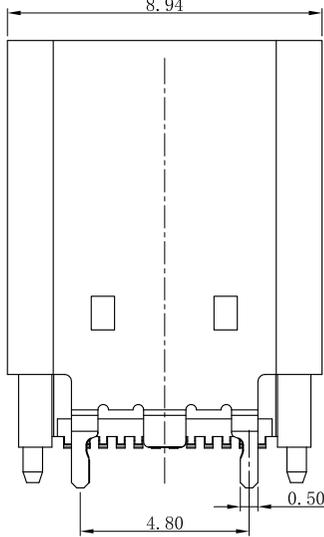
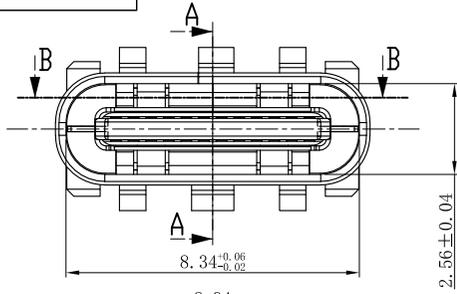
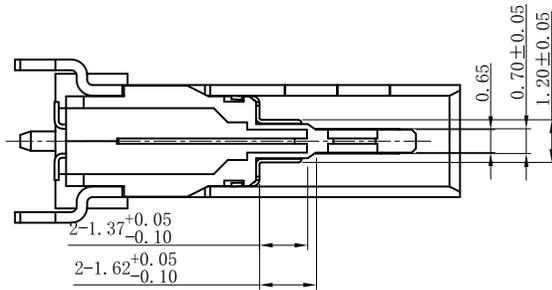
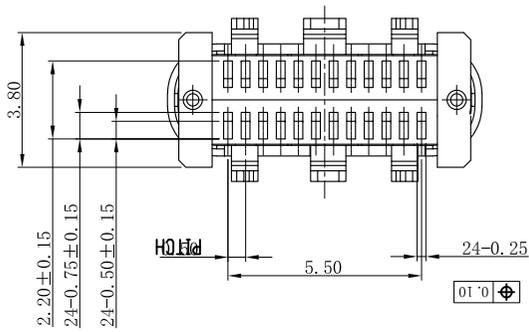


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/06/22	Ken Lin

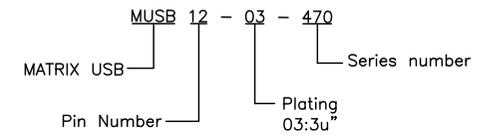


**SECTION B-B**  
SCALE 1:1



**SECTION A-A**  
SCALE 1:1

MATRIX PART NO:

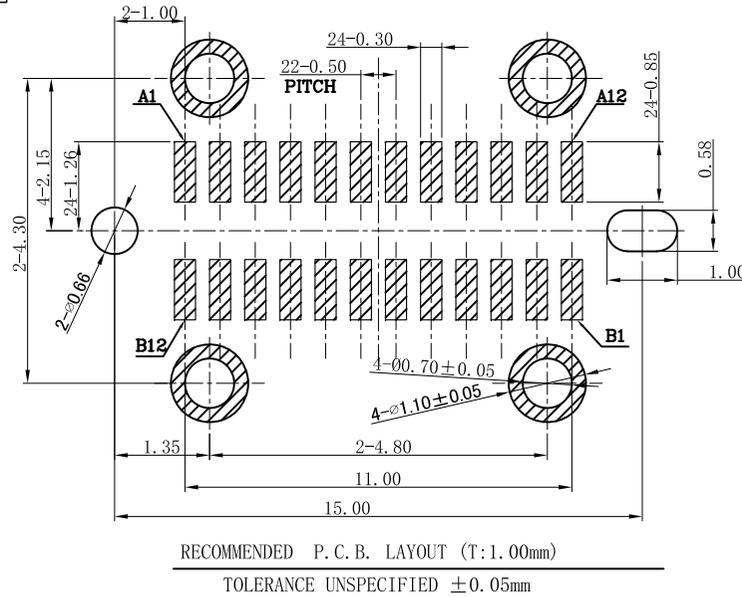


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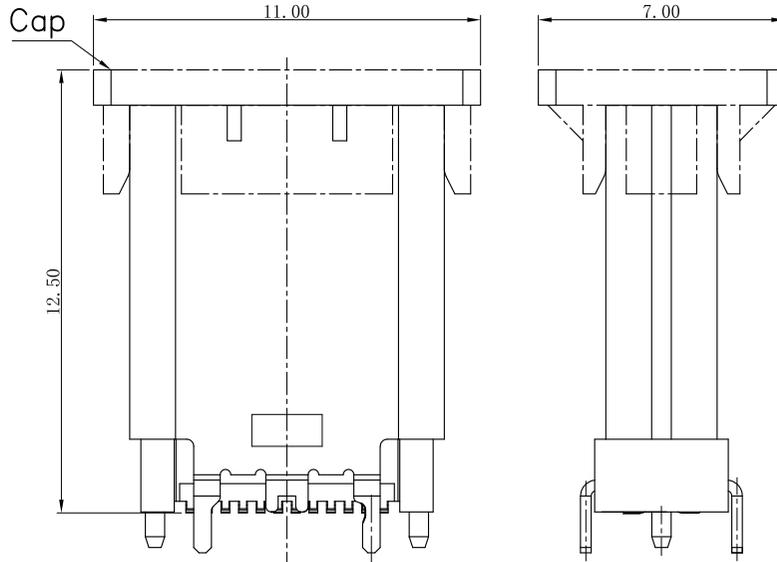
<b>TOLERANCE:</b> X X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGLE: ±3°	<b>DESIGN BY :</b> Ken Lin	<b>DATE :</b> 2020/06/22	<b>PART NAME:</b> TYPE CF 24P VT SMT H=11.5 主体10.3 4个点	
	<b>CHECKED BY:</b> Vicky Hsieh	<b>DATE :</b> 2020/06/22	<b>PART NO.</b>	MUSB12-03-470
 <b>UNIT: mm [inch]</b> <b>SCALE:1:1 SIZE:A4</b>	<b>APPROVED BY1:</b> Richard Hsieh	<b>DATE :</b> 2020/06/22	<b>MOLD NO.</b>	NA
	<b>APPROVED BY2:</b> Richard Hsieh	<b>DATE :</b> 2020/06/22	<b>DRAW NO.</b>	
			<b>SHEET NO.</b>	1 OF 2

# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/06/22	Ken Lin



- NOTE:
- MATERIAL:
    - INSULATOR: HIGH TEMPERATURE PLASTIC UL 94 V-0; Color See TABLE
    - CONTACT: C7025(T=0.12mm)
    - SHELL: STAINLESS STEEL(T=0.20mm)
    - EMI PLATE: STAINLESS STEEL(T=0.10mm)
    - MID PLATE: STAINLESS STEEL(T=0.15mm)
  - ELECTRICAL CHARACTERISTICS:
    - CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
    - CONTACT CURRENT RATING: 3A FOR COLLECTIVELY POWER SUPPLY
  - PIN(PIN1, A4, A9, A12, B1, B4, B9, B12): 1.25A FOR VCONN PIN; 0.25A FOR OTHER SIGNAL PIN.
    - DIELECTRIC WITHSTANDING VOLTAGE: 300V AC R.M.S.
    - INSULATION RESISTANCE 100MΩ Min
    - OPERATING TEMPERATURE: -30° C ~ 85° C
  - MECHANICAL CHARACTERISTICS:
    - MATING FORCE: 5~20 N.
    - UNMATED FORCE: 8~20N INITIAL TEST; 6~20N DURABILITY AFTER TEST
    - DURABILITY: 10,000 CYCLES
  - PLATING
    - TERMINAL CONTACT: (SEE TAB)GOLD PLATING ON CONTACT AREA, ALL OVER 50u' Min NICKEL AND 80u' Min Matte Tin ALL OVER 50u' Min NICKEL ON SOLDER AREA
    - SHELL: 50u' Min. NICKEL ALL OVER,
    - EMI PLATE: CLEAN
    - MID PLATE: CLEAN
  - High temperature resistance: SMT reflow welding (peak value: 260° ±5° ), no plastic bubbling.  
Poor melt, discoloration and warping deformation are within the tolerance range.
  - The product shall be tested for solder, and the area of solder shall be more than 95%;



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### USB Type-C Pin Assignments

A1	GND	B12	GND
A2	SSTXp1	B11	SSTXp1
A3	SSTXn1	B10	SSTXn1
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	SSRXn2	B3	SSRXn2
A11	SSRXn2	B2	SSRXn2
A12	GND	B1	GND
PIN SIGNAL N/A		PIN SIGNAL N/A	



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<b>TOLERANCE:</b> X ±0.30 X.X ±0.20 X.XXX ±0.10 ANGLE: ±3°	<b>DESIGN BY :</b> Ken Lin	<b>DATE :</b> 2020/06/22	<b>PART NAME:</b> TYPE CF 24P VT SMT H=11.5 主体10.3 4个点	
	<b>CHECKED BY:</b> Vicky Hsieh	<b>DATE :</b> 2020/06/22	<b>PART NO.</b>	MUSB12-03-470
 <b>UNIT: mm [inch]</b> <b>SCALE:1:1 SIZE:A4</b>	<b>APPROVED BY1:</b> Richard Hsieh	<b>DATE :</b> 2020/06/22	<b>MOLD NO.</b>	NA
	<b>APPROVED BY2:</b> Richard Hsieh	<b>DATE :</b> 2020/06/22	<b>DRAW NO.</b>	
			<b>SHEET NO.</b>	2 OF 2