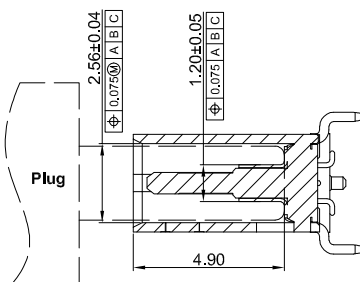
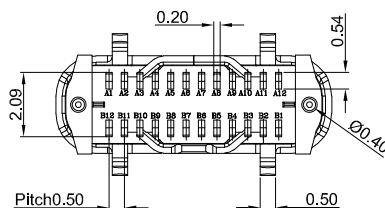


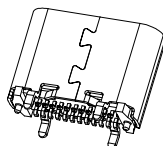


### G-Switch USB-C Specification:

- 1.Current rating:5A on Vbus/1.25A on Vconn/0.25A on other
- 2.Dielectric Voltage:100V AC/minute
- 3.Contact resistance: 40mΩ Max
- 4.Insulation resistance: 100MΩ Min
- 5.Operating temperature: -55 °C ~ +85 °C
- 6.Mating force: 5N~20N
- 7.Unmating force: 8N~20N
- 8.Durability cycle:10,000 cycles
- 9.Data transmission rate up to 5Gbp/s
- 10.Compliant with: IEC62680-1-3



SECTION A-A  
AFTER MATING



RECOMMENDED PCB LAYOUT  
TOLERANCE  $\pm 0.05\text{mm}$

|     |           |                          |                                  |
|-----|-----------|--------------------------|----------------------------------|
| 1   | SHELL     | STAINLESS STEEL          | Ni30MIN Plated                   |
| 2   | MID PLATE | STAINLESS STEEL          | _____                            |
| 3   | EMI       | STAINLESS STEEL          | _____                            |
| 4   | HOUSING   | HIGH TEMPERATURE PLASTIC | LCP Black UL 94 V-0              |
| 5   | TERMINALS | COPPER ALLOY C7025       | Autu"Min PLATING ON CONTACT AREA |
| NO. | PARTS     | MATERIAL                 | REMARKS                          |

|                                                                                                           |                                                                                       |                                                  |         |          |            |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------|---------|----------|------------|
| SCALE: 4:1                                                                                                | UNIT: mm                                                                              | Title: Vertical Type-c 24P Female<br>SMT H=6.5mm |         |          |            |
| SIZE: A4                                                                                                  |  |                                                  |         |          |            |
| Unless otherwise<br>General Tolerance:<br>X,x ±0.30<br>X,xx ±0.20<br>X,xxx ±0.10<br>X,x° ±3°<br>X,xx° ±2° |                                                                                       | Molde Code: GT-USB-9052A                         |         |          |            |
|                                                                                                           |                                                                                       | DRAWN                                            | CHECKED | APPROVED | DATE       |
|                                                                                                           |                                                                                       | Xla                                              | Chen    | Chen     | 2023.02.05 |
|                                                                                                           |                                                                                       |                                                  |         |          |            |

