

| Molde Code        | Specification Description      |
|-------------------|--------------------------------|
| GT-USB-9802A02-01 | Au1u" Plating On Contact Area  |
| GT-USB-9802A02-02 | Au3u" Plating On Contact Area  |
| GT-USB-9802A02-03 | Au15u" Plating On Contact Area |
| GT-USB-9802A02-04 | Au30u" Plating On Contact Area |



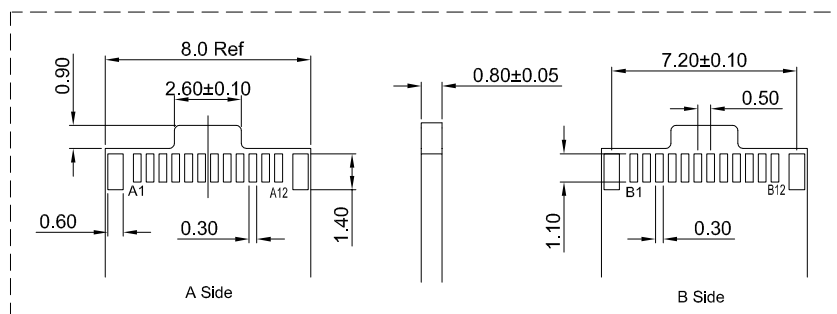
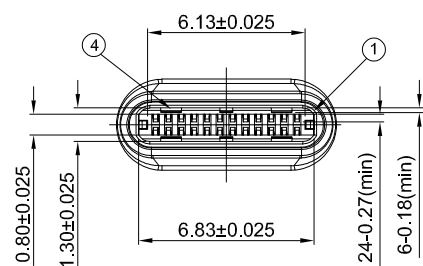
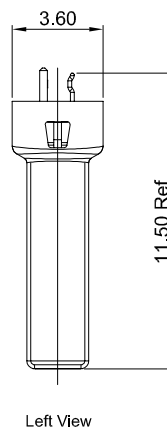
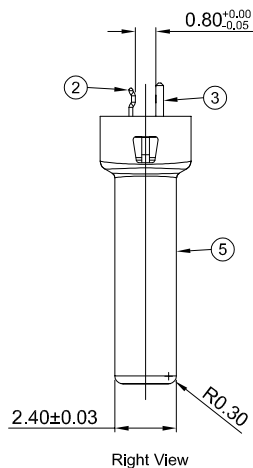
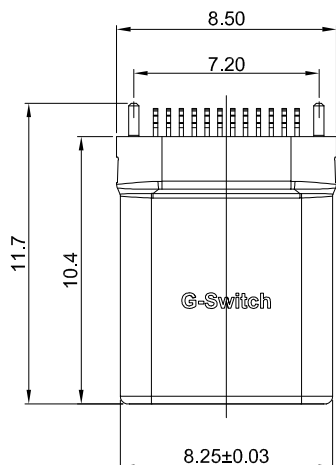
### G-Switch USB-C Specification:

- Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- Voltage rating: 24V AC
- Withstanding voltage: 100V AC/minute
- Contact resistance: 40mΩ Max
- Insulation resistance: 100MΩ Min
- Operating temperature: -40°C ~ +85°C
- Mating force: 5N~20N
- Unmating force: 8N~20N
- Durability cycle: 10,000 cycles
- Data transmission rate up to 40Gbps
- Compliant with: IEC62680-1-3

USB IF TID:12316

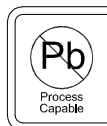
|       |        |        |       |        |        |        |        |       |        |        |       |
|-------|--------|--------|-------|--------|--------|--------|--------|-------|--------|--------|-------|
| A12   | A11    | A10    | A9    | A8     | A7     | A6     | A5     | A4    | A3     | A2     | A1    |
| GND   | RX2+   | RX2-   | VBUS  | SBU1   | D-     | D+     | CC1    | VBUS  | TX1-   | TX1+   | GND   |
| First | Second | Second | First | Second | Second | Second | Second | First | Second | Second | First |

|       |        |        |       |        |    |    |        |       |        |        |       |
|-------|--------|--------|-------|--------|----|----|--------|-------|--------|--------|-------|
| B1    | B2     | B3     | B4    | B5     | B6 | B7 | B8     | B9    | B10    | B11    | B12   |
| GND   | TX2+   | TX2-   | VBUS  | VCONN  |    |    | SBU2   | VBUS  | RX1-   | RX1+   | GND   |
| First | Second | Second | First | Second |    |    | Second | First | Second | Second | First |



RECOMMENDED PCB LAYOUT  
TOLERANCE:±0.05

|     |            |                          |                                  |
|-----|------------|--------------------------|----------------------------------|
| 5   | SHELL      | STAINLESS STEEL 316      | NI30u"MIN PLATED                 |
| 4   | EMC SPRING | STAINLESS STEEL 301      | CLEAN                            |
| 3   | LATCH      | STAINLESS STEEL 301      | CLEAN                            |
| 2   | TERMINALS  | COPPER ALLOY C7025       | Au1u"MIN PLATING ON CONTACT AREA |
| 1   | HOUSING    | HIGH TEMPERATURE PLASTIC | LCP BLACK UL 94 V-0              |
| NO. | NAME       | DESCRIPTION              | REMARKS                          |



RoHS  
Compliant  
EU RoHS Standards



SCALE: 4:1 UNIT: mm  
SIZE: A4

Unless otherwise  
General Tolerance:  
X..x ±0.30  
X..xx ±0.20  
X..xxx ±0.10  
X..x" ±3°  
X..xx" ±2°

Title: Splint Type-c 24P Plug L=10.4mm

Molde Code: GT-USB-9802A02

|       |         |          |            |
|-------|---------|----------|------------|
| DRAWN | CHECKED | APPROVED | DATE       |
| Xla   | Chen    | Chen     | 2023.02.01 |

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REV: A0 SHEET: 1/1