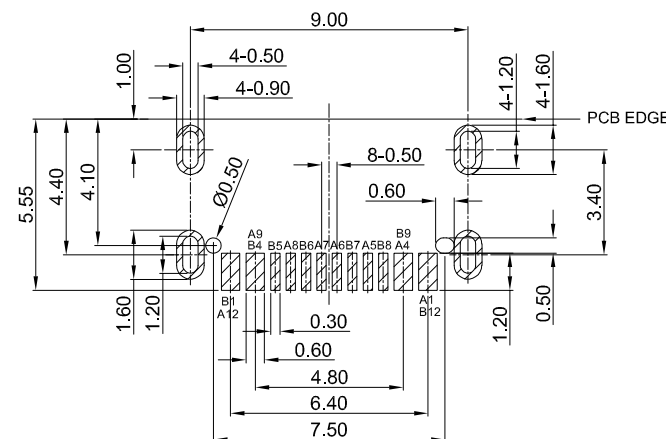
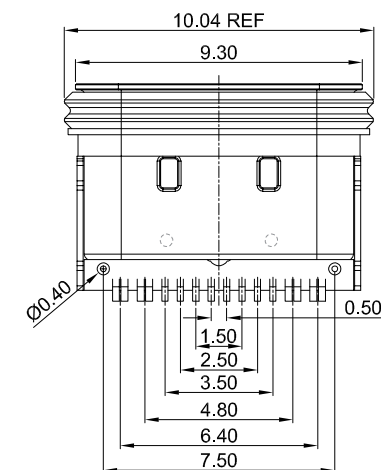
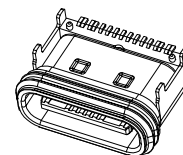
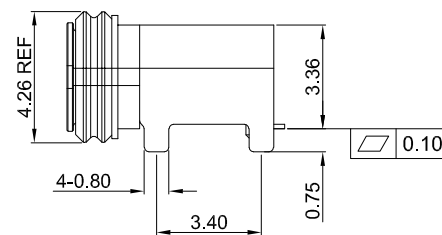
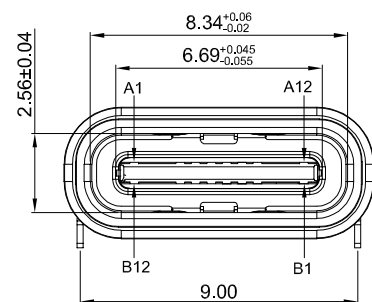
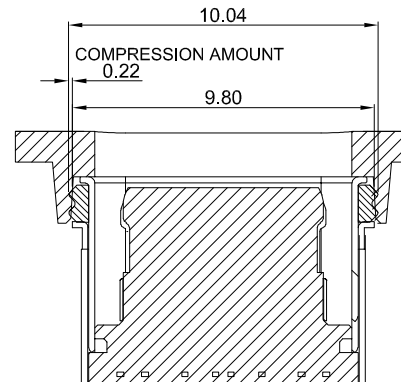
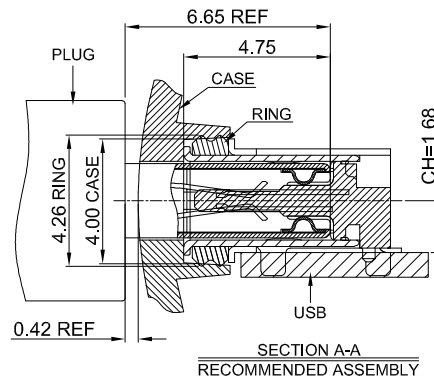
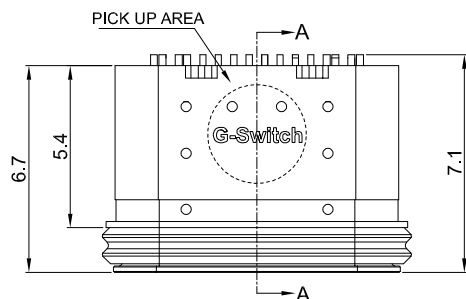


### G-Switch USB-C Specification:

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 24V AC
3. Withstanding voltage: 100V AC/minute
4. Contact resistance: 40mΩ Max
5. Insulation resistance: 100MΩ Min
6. Operating temperature: -40°C ~ +85°C
7. Mating force: 5N~20N
8. Unmating force: 8N~20N
9. Durability cycle: 10,000 cycles
10. Waterproof grade: IP-X5
11. Compliant with: IEC62680-1-3

USB IF TID: 14251

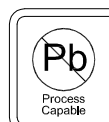
| A1    | A2 | A3 | A4    | A5     | A6     | A7     | A8     | A9    | A10 | A11 | A12   |
|-------|----|----|-------|--------|--------|--------|--------|-------|-----|-----|-------|
| GND   |    |    | VBUS  | CC1    | D+     | D-     | SBU1   | VBUS  |     |     | GND   |
| First |    |    | First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

| B12   | B11 | B10 | B9    | B8     | B7     | B6     | B5     | B4    | B3 | B2 | B1    |
|-------|-----|-----|-------|--------|--------|--------|--------|-------|----|----|-------|
| GND   |     |     | VBUS  | SBU2   | D-     | D+     | CC2    | VBUS  |    |    | GND   |
| First |     |     | First | Second | Second | Second | Second | First |    |    | First |

| NO. | PARTS           | MATERIAL                 | REMARKS                                                             |
|-----|-----------------|--------------------------|---------------------------------------------------------------------|
| 1   | COVER SHELL     | STAINLESS STEEL 304      | Ni30u"Min PLATED                                                    |
| 2   | STRETCH SHELL   | STAINLESS STEEL 316      | Ni30u"Min PLATED                                                    |
| 3   | EMI             | STAINLESS STEEL 316      | --                                                                  |
| 4   | MID PLATE       | STAINLESS STEEL 301      | --                                                                  |
| 5   | HOUSING         | HIGH TEMPERATURE PLASTIC | PA9T BLACK UL 94 V-0                                                |
| 6   | TERMINALS       | COPPER ALLOY C7025       | Au3u" Min PLATING ON CONTACT AREA<br>G/F Min PLATING ON SOLDER AREA |
| 7   | WATERPROOF RING | SILICA GEL               | BLACK                                                               |

PCB REFERENCE DIAGRAM  
TOLERANCE:±0.05



SCALE: 1:1 UNIT: mm  
SIZE: A4

Unless otherwise  
General Tolerance:  
X. ±0.40  
X.x ±0.30  
X.xx ±0.20  
X.xxx ±0.10  
X" ±5"

Title: IPX5 Horizontal Type-C 16P Female  
SMT CH=1.68 L=6.7mm

Molde Code: GT-USB-9079E

| DRAWN | CHECKED | APPROVED | DATE       |
|-------|---------|----------|------------|
| Xla   | Chen    | Chen     | 2025.01.17 |

品赞科技  
**b-Switch**  
www.dg-switch.com

REV: A0 SHEET: 1/1