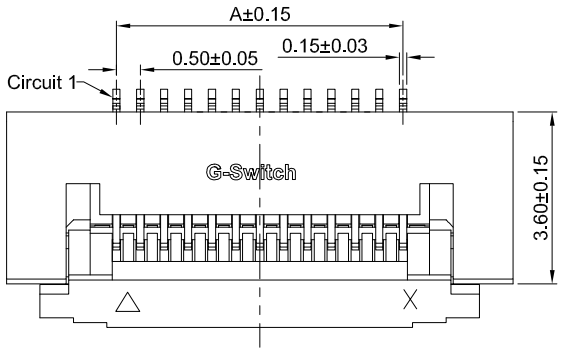
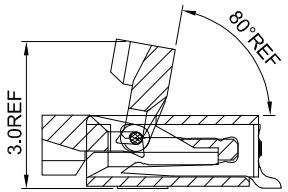


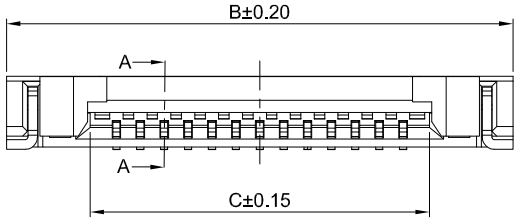



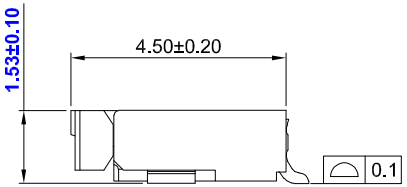

SECION:A-A

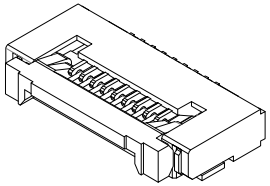
**G-Switch Specification:**

1.Current rated: 0.5A AC/DC
2.Voltage rating: 50V AC/DC
3.Withstanding voltage: 250V AC
4.Contact resistance: 40mΩ max.
5.Insulation resistance: 500MΩ min
6.Durability cycle: 20Cycles
7.Removal force: 0.03kgf/Pin min
8.Operating temperature range: -25°C ~ +85°C



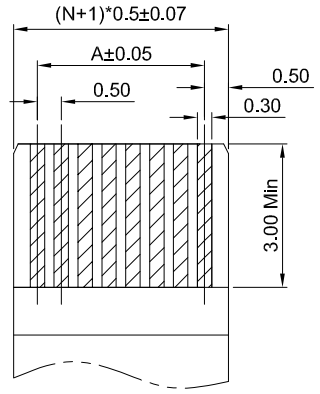


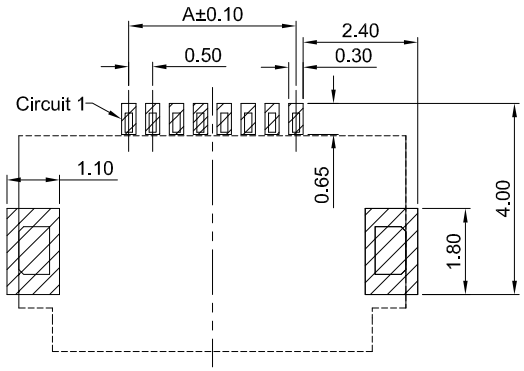



GT-F0509 S R 15 -XX X XX 01

- **G-Switch**
- **Series No**
- **Termipoint** S-SMT
- **Angle** R-90°
- **Height** 15-1.5mm
- **Pin Q' PY** 04~68
- **Housing Colour** S-Nature
- **Terminal Plating** 01-G/F, MT-Matte Tin




APPLICABLE FPC




PCB REFERENCE DIAGRAM
TOLERANCE:±0.05

**Ordering Information:**

| Circuit | Dimensions(mm) A | B | C | Circuit | Dimensions(mm) A | B | C | Circuit | Dimensions(mm) A | B | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 1.50 | 6.10 | 2.57 | 24 | 11.50 | 16.10 | 12.57 | 44 | 21.50 | 26.10 | 22.57 |
| 5 | 2.00 | 6.60 | 3.07 | 25 | 12.00 | 16.60 | 13.07 | 45 | 22.00 | 26.60 | 23.07 |
| 6 | 2.50 | 7.10 | 3.57 | 26 | 12.50 | 17.10 | 13.57 | 46 | 22.50 | 27.10 | 23.57 |
| 7 | 3.00 | 7.60 | 4.07 | 27 | 13.00 | 17.60 | 14.07 | 47 | 23.00 | 27.60 | 24.07 |
| 8 | 3.50 | 8.10 | 4.57 | 28 | 13.50 | 18.10 | 14.57 | 48 | 23.50 | 28.10 | 24.57 |
| 9 | 4.00 | 8.60 | 5.07 | 29 | 14.00 | 18.60 | 15.07 | 49 | 24.00 | 28.60 | 25.07 |
| 10 | 4.50 | 9.10 | 5.57 | 30 | 14.50 | 19.10 | 15.57 | 50 | 24.50 | 29.10 | 25.57 |
| 11 | 5.00 | 9.60 | 6.07 | 31 | 15.00 | 19.60 | 16.07 | 51 | 25.00 | 29.60 | 26.07 |
| 12 | 5.50 | 10.10 | 6.57 | 32 | 15.50 | 20.10 | 16.57 | 52 | 25.50 | 30.10 | 26.57 |
| 13 | 6.00 | 10.60 | 7.07 | 33 | 16.00 | 20.60 | 17.07 | 53 | 26.00 | 30.60 | 27.07 |
| 14 | 6.50 | 11.10 | 7.57 | 34 | 16.50 | 21.10 | 17.57 | 54 | 26.50 | 31.10 | 27.57 |
| 15 | 7.00 | 11.60 | 8.07 | 35 | 17.00 | 21.60 | 18.07 | 55 | 27.00 | 31.60 | 28.07 |
| 16 | 7.50 | 12.10 | 8.57 | 36 | 17.50 | 22.10 | 18.57 | 56 | 27.50 | 32.10 | 28.57 |
| 17 | 8.00 | 12.60 | 9.07 | 37 | 18.00 | 22.60 | 19.07 | 57 | 28.00 | 32.60 | 29.07 |
| 18 | 8.50 | 13.10 | 9.57 | 38 | 18.50 | 23.10 | 19.57 | 58 | 28.50 | 33.10 | 29.57 |
| 19 | 9.00 | 13.60 | 10.07 | 39 | 19.00 | 23.60 | 20.07 | 59 | 29.00 | 33.60 | 30.07 |
| 20 | 9.50 | 14.10 | 10.57 | 40 | 19.50 | 24.10 | 20.57 | 60 | 29.50 | 34.10 | 30.57 |
| 21 | 10.00 | 14.60 | 11.07 | 41 | 20.00 | 24.60 | 21.07 | 65 | 32.00 | 36.60 | 33.07 |
| 22 | 10.50 | 15.10 | 11.57 | 42 | 20.50 | 25.10 | 21.57 | 68 | 33.50 | 38.10 | 34.57 |
| 23 | 11.00 | 15.60 | 12.07 | 43 | 21.00 | 25.60 | 22.07 | --- | --- | --- | --- |

| NO. | PART NAME | MATERIAL | REMARK |
|---|---|---|---|
| 4 | SOLDER TABS | BRASS | MATTE Tin |
| 3 | CONTACT | PHOSPHOR BRONZE | Matte Tin Or Gold-Flash On Contact Area |
| 2 | COVER | LCP,94V-0 | BLACK |
| 1 | HOUSING | LCP,94V-0 | NATURE |

Pb Process Capable | RoHS Compliant EU RoHS Standards | Compliant Halogen Free

| | |
|---|---|
| SCALE: 1:1 | UNIT: mm |
| SIZE: A4 | |

Unless otherwise General Tolerance:

| | |
|---|---|
| X | ±0.40 |
| X.x | ±0.30 |
| X.xx | ±0.20 |
| X° | ±5° |
| X.x° | ±3° |

Title: FPC 0.50mm Pitch 90° SMT Type H1.50mm Connector

Model Code: GT-F0509SR15-XXXXX01

| DRAWN | CHECKED | APPROVED | DATE |
|---|---|---|---|
| Hu | Hu | Chen | 2022.12.28 |

REV: A0 SHEET: 1/1

品赞科技 b-Switch www.dg-switch.com