

A

B

C

D

E

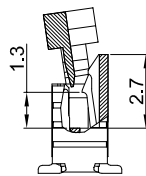
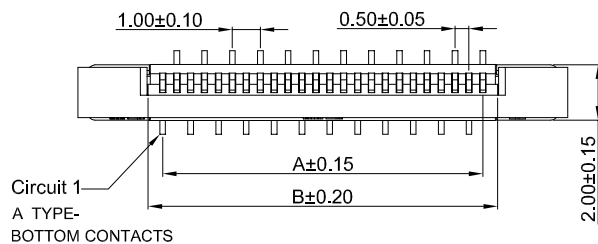
A

B

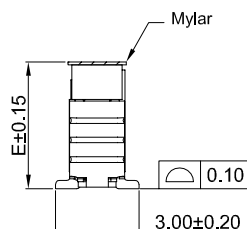
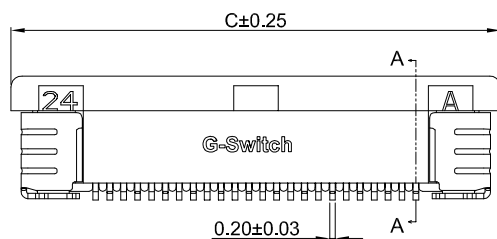
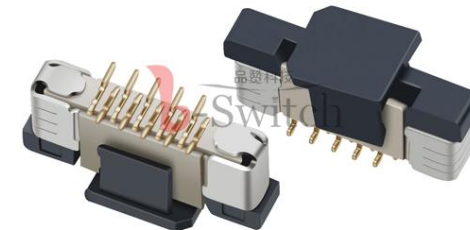
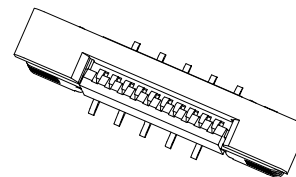
C

D

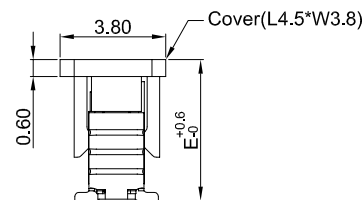
E



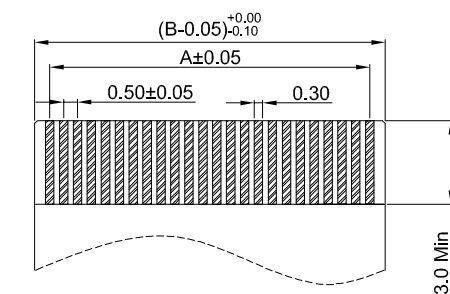
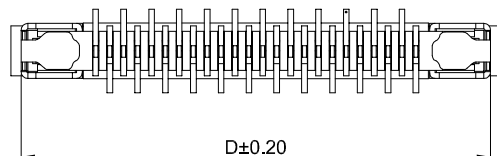
SECTION:A-A



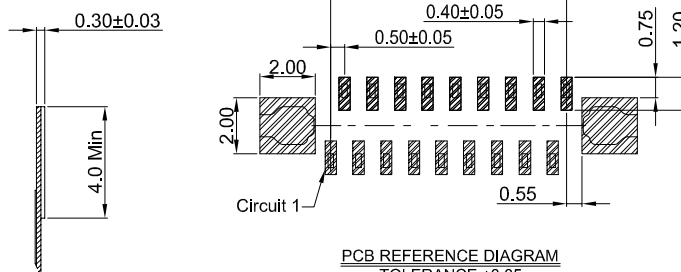
4PIN-5PIN MYLAY



6PIN-60PIN WITH COVER



APPLICABLE FPC

PCB REFERENCE DIAGRAM  
TOLERANCE:±0.05

GT-F0504 S V 45 -XX X XX 01

G-Switch

Series No

Termipoint  
S-SMTAngle  
V-180°Height  
45-4.45mmContact  
01-A Type  
(Bottom Contacts)  
02-B Type  
(Top Contacts)Terminal Plating  
11-All G/F  
MT-Matte TinHousing Colour  
S-NaturePin Q' PY  
04~60**G-Switch Specification:**

- 1.Current rated: 0.5A AC/DC
- 2.Voltage rating: 50V AC/DC
- 3.Withstanding voltage: 250V AC
- 4.Contact resistance: 30mΩ max.
- 5.Insulation resistance: 100MΩ min
- 6.Durability cycle: 30Cycles
- 7.Removal force: 0.04kgf/Pin min
- 8.Operating temperature range: -55°C ~ +85°C

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

SCALE: 1:1 UNIT: mm  
SIZE: A4Unless otherwise  
General Tolerance:X ±0.40  
X.x ±0.30  
X.xx ±0.20  
X\* ±5°  
X.x° ±3°Title: FPC 0.50mm Pitch 180° SMT Type  
H4.50mm Connector

Molde Code: GT-F0504SV45-XXXXX01

|       |         |          |           |
|-------|---------|----------|-----------|
| DRAWN | CHECKED | APPROVED | DATE      |
| Jiang | Hu      | Chen     | 2021,6,28 |

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

REV: A0 SHEET: 1/2

# Ordering Information:

| Circuit | Dimensions(mm) |       |       |       |      | Circuit | Dimensions(mm) |       |       |       |      |
|---------|----------------|-------|-------|-------|------|---------|----------------|-------|-------|-------|------|
|         | A              | B     | C     | D     | E    |         | A              | B     | C     | D     | E    |
| 04      | 1.50           | 2.56  | 7.60  | 6.88  | 4.45 | 33      | 16.00          | 17.06 | 22.10 | 21.38 | 4.45 |
| 05      | 2.00           | 3.06  | 8.10  | 7.38  |      | 34      | 16.50          | 17.56 | 22.60 | 21.88 |      |
| 06      | 2.50           | 3.56  | 8.60  | 7.88  |      | 35      | 17.00          | 18.06 | 23.10 | 22.38 |      |
| 07      | 3.00           | 4.06  | 9.10  | 8.38  |      | 36      | 17.50          | 18.56 | 23.60 | 22.88 |      |
| 08      | 3.50           | 4.56  | 9.60  | 8.88  |      | 37      | 18.00          | 19.06 | 24.10 | 23.38 |      |
| 09      | 4.00           | 5.06  | 10.10 | 9.38  |      | 38      | 18.50          | 19.56 | 24.60 | 23.88 |      |
| 10      | 4.50           | 5.56  | 10.60 | 9.88  |      | 39      | 19.00          | 20.06 | 25.10 | 24.38 |      |
| 11      | 5.00           | 6.06  | 11.10 | 10.38 |      | 40      | 19.50          | 20.56 | 25.60 | 24.88 |      |
| 12      | 5.50           | 6.56  | 11.60 | 10.88 |      | 41      | 20.00          | 21.06 | 26.10 | 25.38 |      |
| 13      | 6.00           | 7.06  | 12.10 | 11.38 |      | 42      | 20.50          | 21.56 | 26.60 | 25.88 |      |
| 14      | 6.50           | 7.56  | 12.60 | 11.88 |      | 43      | 21.00          | 22.06 | 27.10 | 26.38 |      |
| 15      | 7.00           | 8.06  | 13.10 | 12.38 |      | 44      | 21.50          | 22.56 | 27.60 | 26.88 |      |
| 16      | 7.50           | 8.56  | 13.60 | 12.88 |      | 45      | 22.00          | 23.06 | 28.10 | 27.38 |      |
| 17      | 8.00           | 9.06  | 14.10 | 13.38 |      | 46      | 22.50          | 23.56 | 28.60 | 27.88 |      |
| 18      | 8.50           | 9.56  | 14.60 | 13.88 |      | 47      | 23.00          | 24.06 | 29.10 | 28.38 |      |
| 19      | 9.00           | 10.06 | 15.10 | 14.38 |      | 48      | 23.50          | 24.56 | 29.60 | 28.88 |      |
| 20      | 9.50           | 10.56 | 15.60 | 14.88 | 5.00 | 49      | 24.00          | 25.06 | 30.10 | 29.38 |      |
| 21      | 10.00          | 11.06 | 16.10 | 15.38 |      | 50      | 24.50          | 25.56 | 30.60 | 29.88 |      |
| 22      | 10.50          | 11.56 | 16.60 | 15.88 |      | 51      | 25.00          | 26.06 | 31.10 | 30.38 |      |
| 23      | 11.00          | 12.06 | 17.10 | 16.38 |      | 52      | 25.50          | 26.56 | 31.60 | 30.88 |      |
| 24      | 11.50          | 12.56 | 17.60 | 16.88 |      | 53      | 26.00          | 27.06 | 32.10 | 31.38 |      |
| 25      | 12.00          | 13.06 | 18.10 | 17.38 |      | 54      | 26.50          | 27.56 | 32.60 | 31.88 |      |
| 26      | 12.50          | 13.56 | 18.60 | 17.88 |      | 55      | 27.00          | 28.06 | 33.10 | 32.38 |      |
| 27      | 13.00          | 14.06 | 19.10 | 18.38 |      | 56      | 27.50          | 28.56 | 33.60 | 32.88 |      |
| 28      | 13.50          | 14.56 | 19.60 | 18.88 |      | 57      | 28.00          | 29.06 | 34.10 | 33.38 |      |
| 29      | 14.00          | 15.06 | 20.10 | 19.38 |      | 58      | 28.50          | 29.56 | 34.60 | 33.88 |      |
| 30      | 14.50          | 15.56 | 20.60 | 19.88 |      | 59      | 29.00          | 30.06 | 35.10 | 34.38 |      |
| 31      | 15.00          | 16.06 | 21.10 | 20.38 |      | 60      | 29.50          | 30.56 | 35.60 | 34.88 |      |
| 32      | 15.50          | 16.56 | 21.60 | 20.88 |      | --      | --             | --    | --    | --    |      |



GT-F0504 S V 45 -XX X XX 01

G-Switch

Series No

Termipoint  
S-SMT

Angle  
V-180°

Height  
45-4.45mm

Contact  
01-A Type  
(Bottom Contacts)  
02-B Type  
(Top Contacts)

Terminal Plating  
11-All G/F  
MT-Matte Tin

Housing Colour  
S-Nature

Pin Q' PY  
04~60

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|     |             |                 |                            |
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| 3   | CONTACT     | PHOSPHOR BRONZE | Gold-Flash On Contact Area |
| 2   | COVER       | LCP,94V-0       | BLACK                      |
| 1   | HOUSING     | LCP,94V-0       | NATURE                     |
| NO. | PART NAME   | MATERIAL        | REMARK                     |



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 180° SMT Type  
H4.50mm Connector

Molde Code: GT-F0504SV45-XXXXX01

| DRAWN | CHECKED | APPROVED | DATE      |
|-------|---------|----------|-----------|
| Jiang | Hu      | Chen     | 2021.6.28 |

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REV: A0 SHEET: 2/2