

A

B

C

D

E

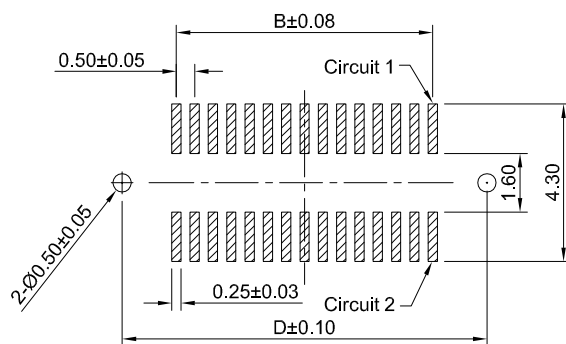
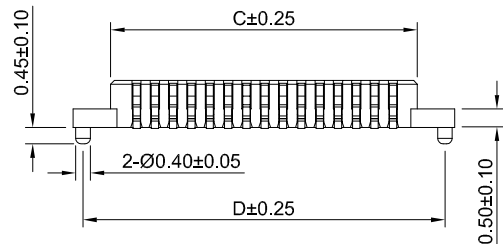
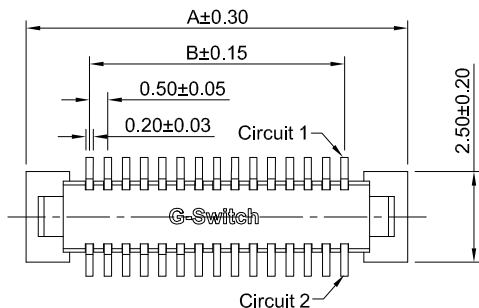
A

B

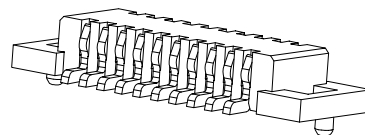
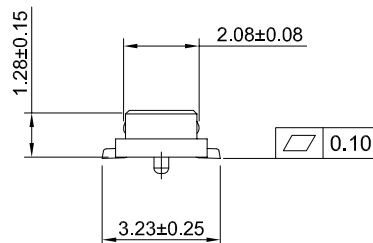
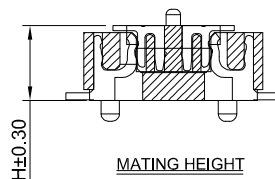
C

D

E



PCB REFERENCE DIAGRAM  
TOLERANCE:±0.05

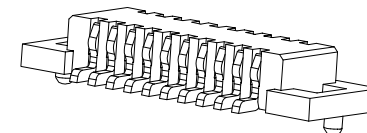


| MATING HEIGHT | PLUG (H.mm) | SOCKET (H.mm) |
|---------------|-------------|---------------|
| 1.5           | 1.28        | 1.35          |
| 2.0           | 1.28        | 1.85          |
| 2.5           | 1.28        | 2.35          |



### G-Switch Specification:

- 1.Current rated: 0.5A AC/DC
- 2.Voltage rating: 50V AC/DC
- 3.Withstanding voltage: 500V AC
- 4.Contact resistance: 40mΩ Max.
- 5.Insulation resistance: 500MΩ min
- 6.Durability cycle: 50Cycles
- 7.Removal force: 0.12kgf/Pin min
- 8.Operating temperature range: -40°C ~ +105°C



GT-B0504 M S V 12 -XX X XX 02

G-Switch

Series No

M-Male

Termpoint  
S-SMT

Angle  
V-180°

Terminal Plating  
11-ALL G/F

Housing Colour  
S-Nature

Pin Q' PY  
10~80

Height  
12-1.28mm

### Ordering Information:

| Circuit | Dimensions(mm) |       |       |       | Circuit | Dimensions(mm) |       |       |       |
|---------|----------------|-------|-------|-------|---------|----------------|-------|-------|-------|
|         | A              | B     | C     | D     |         | A              | B     | C     | D     |
| 08      | 5.00           | 1.50  | 2.90  | 4.46  | 46      | 14.50          | 11.00 | 12.40 | 13.96 |
| 10      | 5.50           | 2.00  | 3.40  | 4.96  | 48      | 15.00          | 11.50 | 12.90 | 14.46 |
| 12      | 6.00           | 2.50  | 3.90  | 5.46  | 50      | 15.50          | 12.00 | 13.40 | 14.96 |
| 14      | 6.50           | 3.00  | 4.40  | 5.96  | 52      | 16.00          | 12.50 | 13.90 | 15.46 |
| 16      | 7.00           | 3.50  | 4.90  | 6.46  | 54      | 16.50          | 13.00 | 14.40 | 15.96 |
| 18      | 7.50           | 4.00  | 5.40  | 6.96  | 56      | 17.00          | 13.50 | 14.90 | 16.46 |
| 20      | 8.00           | 4.50  | 5.90  | 7.46  | 58      | 17.50          | 14.00 | 15.40 | 16.96 |
| 22      | 8.50           | 5.00  | 6.40  | 7.96  | 60      | 18.00          | 14.50 | 15.90 | 17.46 |
| 24      | 9.00           | 5.50  | 6.90  | 8.46  | 62      | 18.50          | 15.00 | 16.40 | 17.96 |
| 26      | 9.50           | 6.00  | 7.40  | 8.96  | 64      | 19.00          | 15.50 | 16.90 | 18.46 |
| 28      | 10.00          | 6.50  | 7.90  | 9.46  | 66      | 19.50          | 16.00 | 17.40 | 18.96 |
| 30      | 10.50          | 7.00  | 8.40  | 9.96  | 68      | 20.00          | 16.50 | 17.90 | 19.46 |
| 32      | 11.00          | 7.50  | 8.90  | 10.46 | 70      | 20.50          | 17.00 | 18.40 | 19.96 |
| 34      | 11.50          | 8.00  | 9.40  | 10.96 | 72      | 21.00          | 17.50 | 18.90 | 20.46 |
| 36      | 12.00          | 8.50  | 9.90  | 11.46 | 74      | 21.50          | 18.00 | 19.40 | 20.96 |
| 38      | 12.50          | 9.00  | 10.40 | 11.96 | 76      | 22.00          | 18.50 | 19.90 | 21.46 |
| 40      | 13.00          | 9.50  | 10.90 | 12.46 | 78      | 22.50          | 19.00 | 20.40 | 21.96 |
| 42      | 13.50          | 10.00 | 11.40 | 12.96 | 80      | 23.00          | 19.50 | 20.90 | 22.46 |
| 44      | 14.00          | 10.50 | 11.90 | 13.46 | --      | --             | --    | --    | --    |

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: BTB 0.50mm Pitch 180° Dual Rows SMT Type  
Mate With Plastic Posts Connector

Molde Code: GT-B0504MSV12-XXXXX02

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

品赞科技  
b-Switch  
www.dg-switch.com

REV: A0

SHEET: 1/1

|     |           |                 |         |
|-----|-----------|-----------------|---------|
| 2   | CONTACT   | PHOSPHOR BRONZE | ALL G/F |
| 1   | HOUSING   | LCP,94V-0       | NATURE  |
| NO. | PART NAME | MATERIAL        | REMARK  |