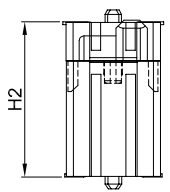
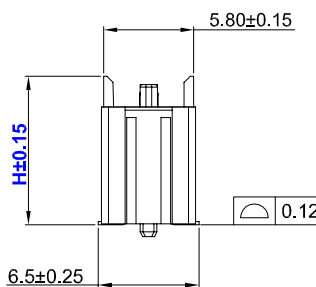
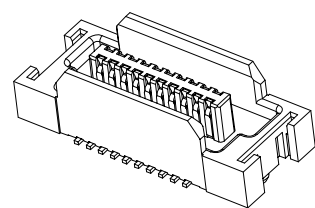
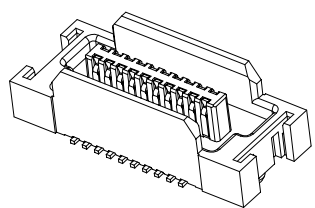


PCB REFERENCE DIAGRAM  
TOLERANCE:±0.05

- G-Switch Specification:**
- 1.Current rated: 0.5A AC/DC
  - 2. Voltage rating:100V AC/DC
  - 3.Withstanding voltage: 500V AC
  - 4.Contact resistance: 60mΩ Max.
  - 5.Insulation resistance: 500MΩ min
  - 6.Durability cycle: 50 Cycles
  - 7.Removal force: 0.01kgf/Pin min
  - 8.Operating temperature range: -40°C ~ +85°C



MATING HEIGHT



GT-B0810 M S V XX -XX X XX 01

**G-Switch**  
**Series No**  
**M-Male**  
**Termipoint**  
S-SMT  
**ANGLE**  
V-180°  
**Terminal Plating**  
01-Gold Flash On  
Contact Area  
**Housing Colour**  
B-Black  
**Pin Q' PY**  
10~120  
**Height**  
45-4.50mm  
75-7.50mm  
95-9.50mm

| MATING HEIGHT(H2) | PLUG (H.mm) | SOCKET (H1.mm)  | MATING HEIGHT(H2)          | PLUG (H.mm) | SOCKET (H1.mm) |
|-------------------|-------------|-----------------|----------------------------|-------------|----------------|
| 5.00              | 4.50        | 4.00            | 13.00                      | 7.50        | 9.00           |
| 8.00              | 7.50        | 4.00            | 15.00                      | 9.50        | 9.00           |
| 10.00             | 4.50        | 9.00            | ---                        | ---         | ---            |
| 3                 | SPCC        | SUS             | NI                         |             |                |
| 2                 | CONTACT     | PHOSPHOR BRONZE | Gold Flash On Contact Area |             |                |
| 1                 | HOUSING     | LCP,94V-0       | BLACK                      |             |                |
| NO.               | PART NAME   | MATERIAL        | REMARK                     |             |                |

Ordering Information:

| Circuit | Dimensions(mm) |       |       | Circuit | Dimensions(mm) |       |       |
|---------|----------------|-------|-------|---------|----------------|-------|-------|
|         | A              | B     | C     |         | A              | B     | C     |
| 10      | 3.20           | 11.30 | 8.20  | 50      | 19.20          | 27.30 | 24.20 |
| 12      | 4.00           | 12.10 | 9.00  | 60      | 23.20          | 31.30 | 28.20 |
| 16      | 5.60           | 13.70 | 10.60 | 70      | 27.20          | 35.30 | 32.20 |
| 20      | 7.20           | 15.30 | 12.20 | 80      | 31.20          | 39.30 | 36.20 |
| 24      | 8.80           | 16.90 | 13.80 | 100     | 39.20          | 47.30 | 44.20 |
| 30      | 11.20          | 19.30 | 16.20 | 120     | 47.20          | 55.30 | 52.20 |
| 40      | 15.20          | 23.30 | 20.20 | 140     | 55.20          | 63.30 | 60.20 |

|                                     |          |                                                                |         |          |            |
|-------------------------------------|----------|----------------------------------------------------------------|---------|----------|------------|
| SCALE: 1:1                          | UNIT: mm | Title: BTB 0.80mm Pitch 180° Dual Rows SMT Type Mate Connector |         |          |            |
| SIZE: A4                            |          | Molde Code: GT-B0810MSVXX-XXXXX01                              |         |          |            |
| Unless otherwise General Tolerance: |          | DRAWN                                                          | CHECKED | APPROVED | DATE       |
|                                     |          | Hu                                                             | Chen    | Chen     | 2022,12,28 |
|                                     |          | X                                                              | ±0.40   |          |            |
|                                     |          | X.x                                                            | ±0.30   |          |            |
|                                     |          | X.xx                                                           | ±0.20   |          |            |
|                                     |          | X"                                                             | ±5°     |          |            |
|                                     |          | X.x"                                                           | ±3°     |          |            |



REV: A0 SHEET: 1/1