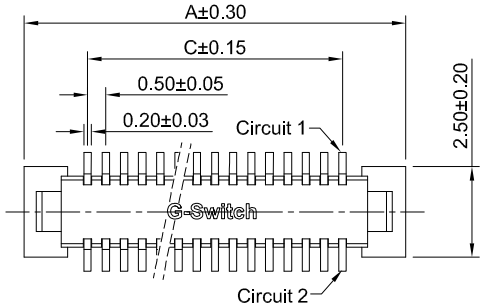
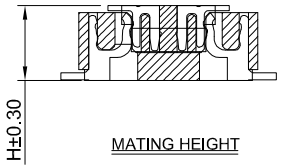
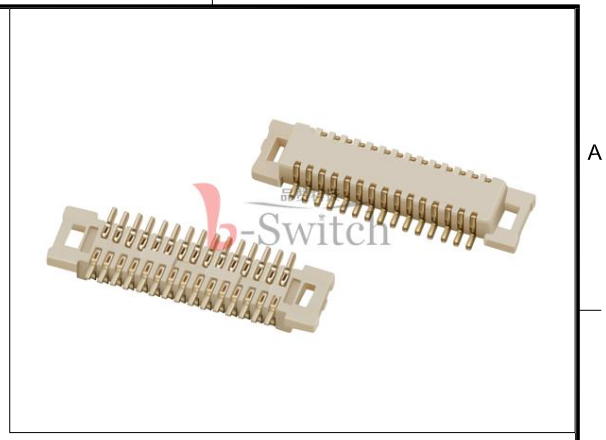




MATING HEIGHT

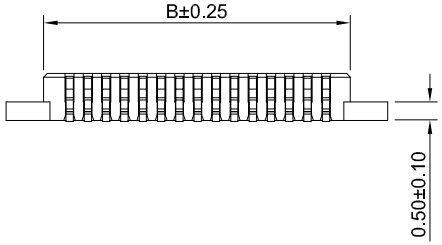
G-Switch Specification:

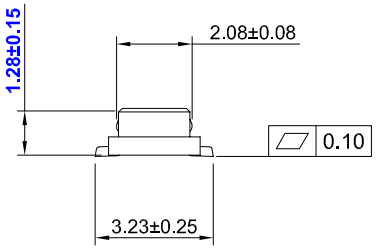
1.Current rated: 0.5A AC/DC
2.Voltage rating: 50V AC/DC
3.Withstanding voltage: 500V AC
4.Contact resistance: 40mΩ Max.
5.Insulation resistance: 500MΩ min
6.Durability cycle: 50Cycles
7.Removal force: 0.12kgf/Pin min
8.Operating temperature range: -40°C ~ +105°C

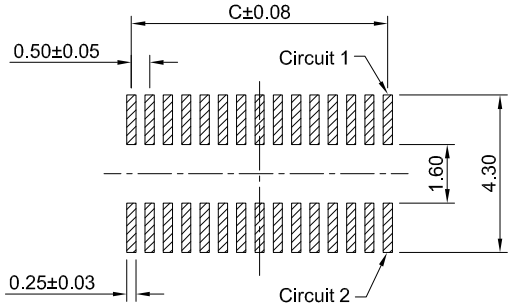


GT-B0504 M S V 12 -XX X XX 01

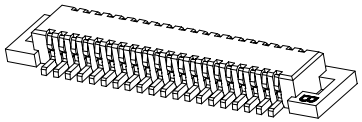
- **G-Switch**
- **Serles No**
- **M-Male**
- **Termipoint** S-SMT
- **Angle** V-180°
- **Height** 12-1.28mm
- **Pin Q' PY** 10~80
- **Housing Colour** S-Nature
- **Terminal Plating** 11-ALL G/F







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

1.50	1.35
2.00	1.85
2.50	2.35
MATING HEIGHT(mm)	SOCKET(H)mm

Ordering Information:

Circuit	Dimensions(mm) A	B	C	Circuit	Dimensions(mm) A	B	C
10	5.50	3.40	2.00	46	14.50	12.40	11.00
12	6.00	3.90	2.50	48	15.00	12.90	11.50
14	6.50	4.40	3.00	50	15.50	13.40	12.00
16	7.00	4.90	3.50	52	16.00	13.90	12.50
18	7.50	5.40	4.00	54	16.50	14.40	13.00
20	8.00	5.90	4.50	56	17.00	14.90	13.50
22	8.50	6.40	5.00	58	17.50	15.40	14.00
24	9.00	6.90	5.50	60	18.00	15.90	14.50
26	9.50	7.40	6.00	62	18.50	16.40	15.00
28	10.00	7.90	6.50	64	19.00	16.90	15.50
30	10.50	8.40	7.00	66	19.50	17.40	16.00
32	11.00	8.90	7.50	68	20.00	17.90	16.50
34	11.50	9.40	8.00	70	20.50	18.40	17.00
36	12.00	9.90	8.50	72	21.00	18.90	17.50
38	12.50	10.40	9.00	74	21.50	19.40	18.00
40	13.00	10.90	9.50	76	22.00	19.90	18.50
42	13.50	11.40	10.00	78	22.50	20.40	19.00
44	14.00	11.90	10.50	80	23.00	20.90	19.50

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

Pb Process Capable | RoHS Compliant EU RoHS Standards | HALOGEN FREE 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: BTB 0.50mm Pitch 180° Dual Rows SMT Type Mate Connector

Molde Code: GT-B0504MSV12-XXXXX01

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