



MATING HEIGHT

MATING HEIGHT	PLUG (H1.mm)	SOCKET (H.mm)
8.0mm	2.0	6.0
10.0mm	4.0	6.0
12.0mm	6.0	6.0



GT-B0505 M S V XX -XX X XX 01

G-Switch
Series No
M-Male
Termipoint
S-SMT
Angle
V-180°

Terminal Plating
12-All Au 3u"
Housing Colour
B-Black
Pin Q' PY
20-120
Height (H1)
20-2.0mm
40-4.00mm
60-6.00mm

G-Switch Specification:

- Current rated: 0.5A AC/DC Signal Pin
Current rated: 5.0A AC/DC Power Pin
- Voltage rating: 50V AC/DC Signal Pin
Voltage rating: 200V AC/DC Power Pin
- Withstanding voltage: 100V AC for 1 min Signal Pin
Withstanding voltage: 600V AC for 1 min Power Pin
- Contact resistance: 60mΩ max.Signal pin /Power pin
- Insulation resistance: 100MΩ min Signal Pin
Insulation resistance: 1000MΩ Min Power Pin
- Durability cycle: 20 Cycles
- Removal force: 0.005kgf/Pin min
- Operating temperature range: -40°C ~ +105°C

Ordering Information:

Circuit	Dimensions(mm)				Circuit	Dimensions(mm)			
	A	B	C	D		A	B	C	D
20	4.50	17.10	11.46	9.30	60	14.50	27.10	21.46	19.30
30	7.00	19.60	13.96	11.80	80	19.50	32.10	26.46	24.30
40	9.50	22.10	16.46	14.30	100	24.50	37.10	31.46	29.30
50	12.00	24.60	18.96	16.80	120	29.50	42.10	36.46	34.30

NO.	PART NAME	NUMBER	MATERIAL	REMARK
4	SOLDER TABS+HD	2PCS	BRASS	MATTE Tin
3	POWER PIN	S1-S4	HIGH CONDUCTIVITY COPPER	ALL Au 3U"
2	SIGNAL PIN	PIN1 - PIN80		ALL Au 3U"
1	HOUSING	1PCS	LCP,94V-0	BLACK



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 Male Connector

Molde Code: GT-B0505MSVXX-XXXXX01

DRAWN	CHECKED	APPROVED	DATE
Hu	Hu	Chen	2022.12.28



REV: A0 SHEET: 1/1