

PCB REFERENCE DIAGRAM
TOLERANCE: ±0.05



GT-B0505 F S V 60 -XX X XX 01

- G-Switch**
- Series No**
- F-Female**
- Termipoint**
S-SMT
- Angle**
V-180°
- Terminal Plating**
12-All Au 3u"
- Housing Colour**
B-Black
- Pin Q' PY**
20-120
- Height (H)**
60-6.00mm

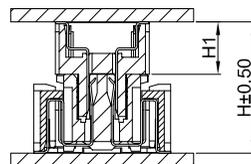
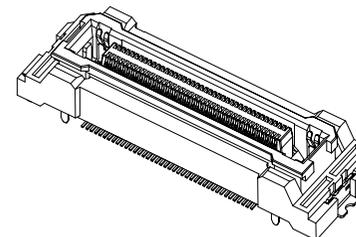
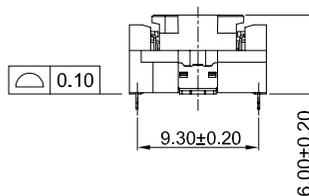
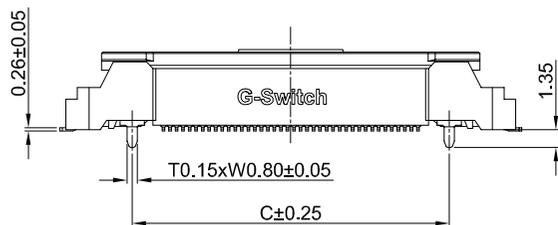
G-Switch Specification:

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

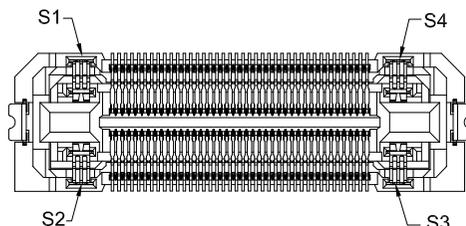
Ordering Information:

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

Circuit	Dimensions(mm)			Circuit	Dimensions(mm)		
	A	B	C		A	B	C
20	4.50	19.50	9.30	60	14.50	29.50	19.30
30	7.00	22.00	11.80	80	19.50	34.50	24.30
40	9.50	24.50	14.30	100	24.50	39.50	29.30
50	12.00	27.00	16.80	120	29.50	44.50	34.30



MATING HEIGHT



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 Female Connector

Molde Code: GT-B0505FSV60-XXXXX01

DRAWN	CHECKED	APPROVED	DATE
Hu	Hu	Chen	2022.12.28



REV: A0 SHEET: 1/1