

Technical drawing of a Key Switch (TB-5850SVB-6PN-26) showing dimensions, assembly, and electrical diagram.

Dimensions (mm):

- Overall height: 5.1 ± 0.1
- Base height: 0.3
- Base width: 5.8 ± 0.1
- Base depth: 5.8 ± 0.1
- Key height: 3.5
- Key width: 2.5
- Key depth: 2
- Key spacing: 2
- Key to base distance: 10.8 ± 0.1
- Key to base distance (alternative): 10.8 ± 0.2
- Key to base distance (alternative): 5.0 ± 0.2
- Key to base distance (alternative): 0.6

Assembly:

- Rating: DC 30V 0.1A
- Contact resistance: $\leq 100m\Omega$
- Insulation resistance: $\geq 100M\Omega$ DC500V
- Withstand voltage: AC 300V(30Hz)/min
- Operating force: $250 \pm 50g$
- Life test: 10000 cycles
- Operation type: no lock

PCB Layout Recommended:

Material Table:

序号 NO.	名称 DESCRIPTION	数量 Q'TY	材料 MATERIAL	颜色 COLOR
7	导电接触夹	6	覆合银磷铜	镀银
6	推轴	1	PA66	白色
5	盖板	1	PA66	黑色
4	弹簧	1	碳素钢	
3	/	/	/	
2	基座	1	PA66	黑色
1	嵌件	2	H65 T=0.3mm	镀银

Electrical Diagram:

FREE 常态: 6-5-4, 3-2-1

PUSH 按下: 6-5-4, 3-2-1

General Tolerance: DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD

Title: 按键开关 Key Switch

DWG. NO.: TB-5850SVB-6PN-26

Checked: MAX

Part No.: TB-5850SVB-6PN-26

Drawn: ELLA

Unit: mm

Scale: none

Sheet: 1 of 1

DWG. Size: A4

Layer: bxconn

Approved: WILL

QR Code: [QR Code]

A

B

C

D

E

REV.	DESCRIPTION	ECN NO.	NAME	DATE

1

2

3

4

5

Technical drawing showing exploded views of the key switch assembly. Components are numbered 1 through 7:

- 1: Base housing
- 2: Housing cover
- 3: Spring
- 4: Contact spring
- 5: Cover plate
- 6: Push pin
- 7: Conductive contact clip

Dimensions shown include overall width (10.8±0.1), height (5.1±0.1), and various internal clearances and thicknesses.

1、Rating:DC 30V 0.1A
2、Contact resistance:≤100mΩ
3、Insulation resistance:≥100MΩ DC500V
4、Withstand voltage:AC 300V(30Hz)/min
5、Operating force:250±50g
6、life test:10000 cycles
7、Operation type: no lock

印制线路板
PCB Layout Recommended

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6	推轴	1	PA66	白色
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4	弹簧	1	碳素钢	
3	/	/	/	
2	底座	1	PA66	黑色
1	嵌件	2	H65 T=0.3mm	镀银

FREE 常态	PUSH 按下

电路图
Circuit Diagram

GENERAL TOLERANCE		DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD	
DIM.	TOL.	TITLE: 按键开关 Key Switch	
30~	:±0.30	DWG. NO.: TB-5850SVB-6PN-26	CHECKED: MAX
10~30	:±0.20	PART NO.: TB-5850SVB-6PN-26	DRAWN: ELLA
~10	:±0.15	UNIT: mm	SHEET: 1of 1
GENERAL ANGLE: X°	±2'	DWG. SIZE: A4	LAYER: bxconn
		APPROVED: WILL	

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