

SB2000A/B Connector

Product Specification

[1] Specifications for materials:

Name	Material	Specification
Housing	PBT/PA46	MG-0130BK
PIN	Phosphor Bronze	C5191
Remark: Under Plating: Nickel Overall 1.2 μ m; Needle Inserted Surface Gold-Plated. 2.0 μ m.		

[2] Appearance Requirements:

1: Plastic parts colour and lustre is consistent, can not have blocked hole blind hole injection defects such as cracks;

2: Put the needle coating is bright and clean, can not have splash and deformation.

[3] Product Shape, Dimensions And Materials: Refer to the drawing

[4] Product Name:

20 Poles

Car panel socket ——— SB2000A/B

A:Male B:Female

[5] Ratings:

- 1、 Current rating: 1.0 A AC.DC
- 2、 Contact resistance: $\leq 60\text{m}\Omega$
- 3、 Insulation resistance: $\geq 500\text{M}\Omega$
- 4、 Withstand voltage: 550V AC/min
- 5、 Mchanical lifetime limit: ≥ 10000 Times

[6] Solderability:

Soldering Time: 3 ± 0.5 sec.

Soldering Temperature: $240 \pm 5^\circ\text{C}$

0.2 mm from terminal tip, Solder Wetting 95% Above.

[7] Resistance to Soldering heat

Soldering Time: 5 ± 1 sec.

Soldering Temperature: $260 \pm 5^\circ\text{C}$

0.2 mm from terminal tip, Appearance No Damage.

[8] Heat Resistance:

Connectors placed in 85°C constant temperature slot after 48 hours, take it out of the room temperature should be satisfied:

Contact resistance $\leq 60\text{m}\Omega$

Insulation resistance $\geq 500\text{M}\Omega$

Withstand voltage A C550V/min No fly arc and breakdown.

[9] Cold Resistance:

Connectors placed in -25°C constant temperature slot after 48 hours,

take it out of the room temperature should be satisfied:

Contact resistance $\leq 60\text{m}\Omega$

Insulation resistance $\geq 500\text{M}\Omega$

Withstand voltage A C550V/min No fly arc and breakdown.

[10] Mechanical Performance:

Item		Test condition	Requiremrnt
10.1	Life times	10000 times	10000 times
10.2	Stickpullout Power	3~5N	3~5N