

# スプリングプローブ コネクタ

## 8Y500B Series Spring Probe Connectors

### SMT type

5.0mm pitch

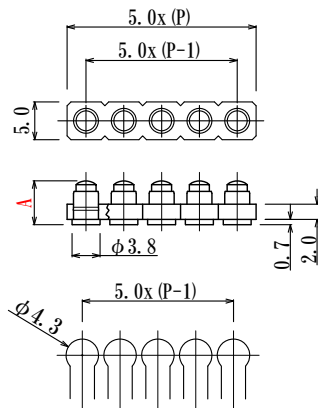
## Specifications

Dielectric strength	: AC300Vrms 1minute
Insulation resistance	: 1000M $\Omega$ min
Contact resistance	: 50m $\Omega$ max *
Durability	: 100,000 cycles min
Capacitance	: 1pF max
Operating temperature	: -45 $^{\circ}$ C ~ +160 $^{\circ}$ C

## Materials

Insulator	: High temp. thermoplastic
Barrel	: Brass, Au plating over Ni
Plunger	: Brass, Au plating over Ni
Spring Coil	: Stainless steel, Au plating

## Single in line



## How to order

8Y500B - 59S12 SM - 04 S

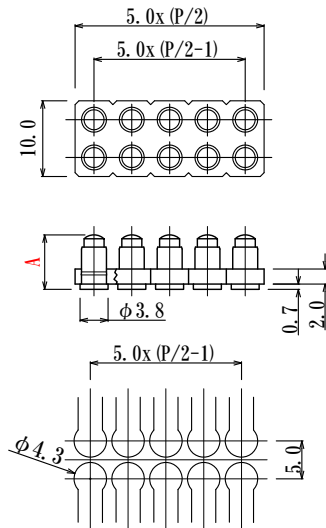
See Table below

Surface mount

S : Single in line  
D : Dual in line

Number of positions : P  
Single in line : 02~10  
Dual in line : 06~20  
(even number)

## Dual in line



8Y500B-59S12SM-□□S

Current rating table 定格電流値表  
(Case of Temperature Rise=30 $^{\circ}$ C)

Positions 通電極数	Current rating 定格電流 A
4	6.0
6	6.0
8	5.0
10	5.0

注1. 実装基板の導体部の定格電流の影響を受けます  
Affected by current rating of mounting board's conductor part.

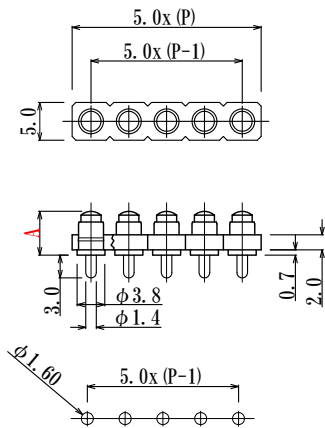
- \*接触する対象が金メッキの基板、又は金メッキの金属の場合です。
- \*推奨ストローク位置で静的接触（動きのない接触）の場合です。
- \*In case of Gold plated PC board land or Gold plated metal for the mating surface.
- \*At recommended stroke and Static contacting to the target. (The target shall be motionless.)

Product table	P/N	Line	A	S	Full travel	(Pin P/N)
			Initial height 初期高さ	Recommended travel 推奨ストローク		
	8Y500B-59S12SM-□□S	Single	5.9	0.9	1.2	8Y500B-H59S12-SP-SM
	8Y500B-59S12SM-□□D	Dual				
	8Y500B-75S17SM-□□S	Single	7.5	1.4	1.7	8Y500B-H75S17-SP-SM
	8Y500B-75S17SM-□□D	Dual				
	8Y500B-96S19SM-□□S	Single	9.6	1.4	1.9	8Y500B-H96S19-SP-SM
	8Y500B-96S19SM-□□D	Dual				
	8Y500B-103S26SM-□□S	Single	10.3	2.1	2.6	8Y500B-H103S26-SP-SM
	8Y500B-103S26SM-□□D	Dual				

スプリングプローブ コネクタ  
 8Y500B Series Spring Probe Connectors  
 Solder Dip type

5.0mm pitch

Single in line



How to order

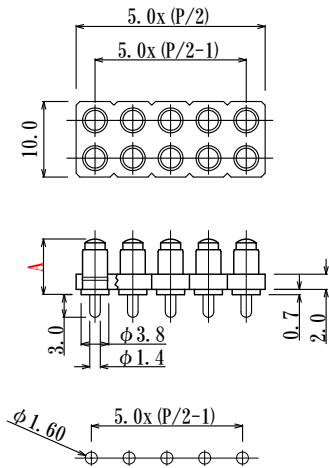
8Y500B - 59S12 SD - 04 S

See Table below

Solder Dip

S : Single in line  
 D : Dual in line  
 Number of positions : P  
 Single in line : 02~10  
 Dual in line : 06~20  
 (even number)

Dual in line



8Y500B-59S12SD-□□S  
 Current rating table 定格電流値表  
 (Case of Temperature Rise=30℃)

Positions 通電極数	Current rating 定格電流 A
4	6.0
6	6.0
8	5.0
10	5.0

注1. 実装基板の導体部の定格電流の影響を受けます  
 Affected by current rating of mounting board's conductor part.

Product table	P/N	Line	A	S	Full travel	(Pin P/N)
			Initial height 初期高さ	Recommended travel 推奨ストローク		
	8Y500B-59S12SD-□□S	Single	5.9	0.9	1.2	8Y500B-H59S12-SP-SD14
	8Y500B-59S12SD-□□D	Dual				
	8Y500B-75S17SD-□□S	Single	7.5	1.4	1.7	8Y500B-H75S17-SP-SD14
	8Y500B-75S17SD-□□D	Dual				
	8Y500B-96S19SD-□□S	Single	9.6	1.4	1.9	8Y500B-H96S19-SP-SD14
	8Y500B-96S19SD-□□D	Dual				
	8Y500B-103S26SM-□□S	Single	10.3	2.1	2.6	8Y500B-H103S26-SP-SD14
	8Y500B-103S26SM-□□D	Dual				

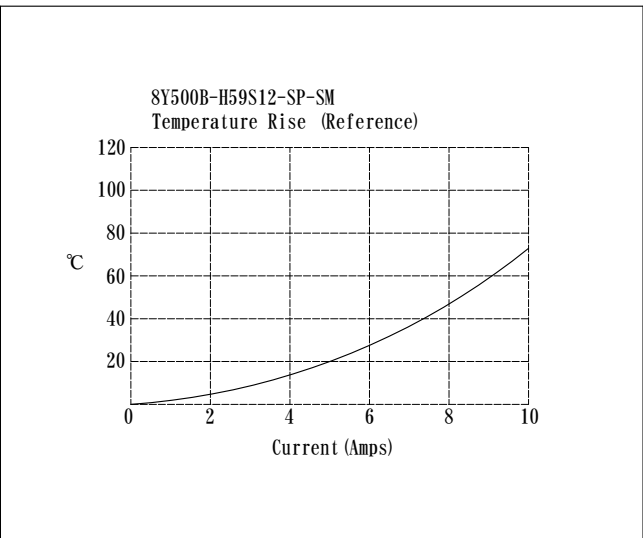
# 高電流スプリングプローブ 8Y500B Series High Current Spring Probe Pins

Specifications  
 Contact resistance : 50mΩmax \*  
 Durability : 100,000 cycles min  
 Operating temperature : -45°C~+160°C

Materials  
 Barrel : Brass, Au plating over Ni  
 Plunger : Brass, Au plating over Ni  
 Spring Coil : Stainless steel, Au plating

**8Y500B-H59S12-SP-SD14**      **8Y500B-H59S12-SP-SM**

Sphere type      Full travel 1.2mm  
 1.47N (150gf) at 0.9mm travel  
 (recommended travel)



**8Y500B-H75S17-SP-SD14**      **8Y500B-H75S17-SP-SM**

Sphere type      Full travel 1.7mm  
 1.47N (150gf) at 1.4mm travel  
 (recommended travel)

**8Y500B-H96S19-SP-SD14**      **8Y500B-H96S19-SP-SM**

Sphere type      Full travel 1.9mm  
 1.96N (200gf) at 1.4mm travel  
 (recommended travel)

※リフロー実装品です。

\*接触する対象が金メッキの基板、又は金メッキの金属の場合です。  
 \*推奨ストローク位置で静的接触（動きのない接触）の場合です。  
 \*In case of Gold plated PC board land or Gold plated metal for the mating surface.  
 \*At recommended stroke and Static contacting to the target. (The target shall be motionless.)

**8Y500B-H103S26-SP-SD14**      **8Y500B-H103S26-SP-SM**

Sphere type      Full travel 2.6mm  
 1.57N (160gf) at 2.1mm travel  
 (recommended travel)