

8Y500B Series Spring Probe Connectors SMT type

5.0mm pitch

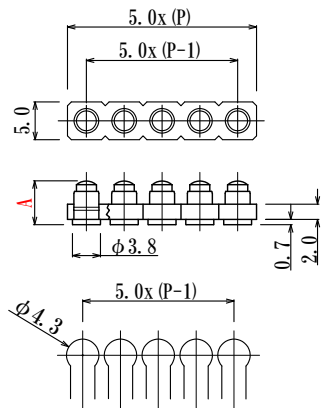
Specifications

Dielectric strength	: AC300Vrms 1minute
Insulation resistance	: 1000MΩmin
Contact resistance	: 50mΩ max *
Durability	: 100,000 cycles min
Capacitance	: 1pF max
Operating temperature	: -40°C~+150°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

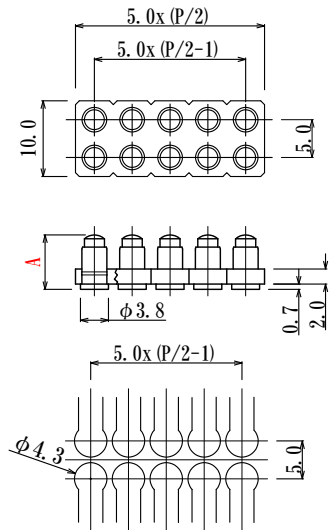
8Y500B - 59S12 SM - 04 S

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 (Case of Temperature Rise=30°C)

Positions	Current rating A
4	6.0
6	6.0
8	5.0
10	5.0

Affected by current rating of mounting board's conductor part.

*In case of Gold plated PC board land or Gold plated metal for the mating surface.

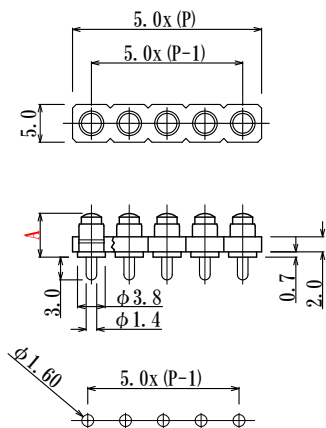
*At recommended stroke and Static contacting to the target. (The target shall be motionless.)

Product table		:mm			
P/N	Line	A	S	Full Travel	(Pin P/N)
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				

8Y500B Series Spring Probe Connectors Solder Dip type

5.0mm pitch

Single in line



How to order

8Y500B - 59S12 SD - 04 S

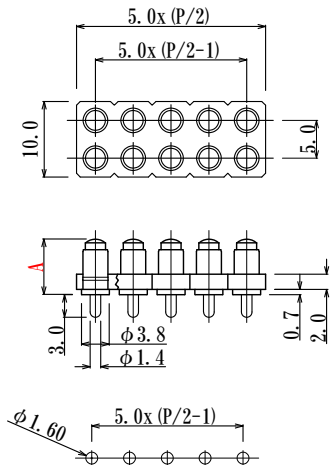
See Table below

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 (Case of Temperature Rise=30°C)

Positions	Current rating A
4	6.0
6	6.0
8	5.0
10	5.0

Affected by current rating of mounting board's conductor part.

Product table		:mm			
P/N	Line	A	S	Full Travel	(Pin P/N)
		Initial height	Recommended Travel		
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-103S26SD-□□S	Single	10.3	2.1	2.6	8Y500B-H103S26-SP-SD14
8Y500B-103S26SD-□□D	Dual				

8Y500B Series Target Connectors for Spring Probe

5.0mm pitch

Specifications
 Dielectric Strength : AC300Vrms 1minute
 Insulation Resistance : 1000MΩmin
 Temperature Range : -40°C~+150°C

Materials
 Insulator : High Temp. Thermoplastic
 Body : Brass, Au plating over Ni

How to Order

8Y500 - TG SM - 04 S

SM: Surface Mount
 SD: Solder Dip

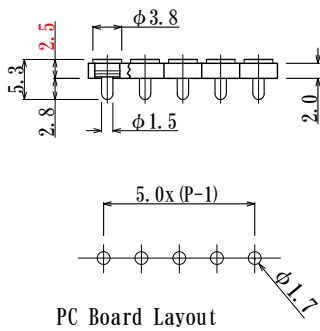
S: Single in Line
 D: Dual in Line

Number of Positions: P
 Single in Line: 02, 03, 04, 05, 06, 07, 08, 09, 10
 Dual in Line : 04, 06, 08, 10, 12, 14, 16, 18, 20

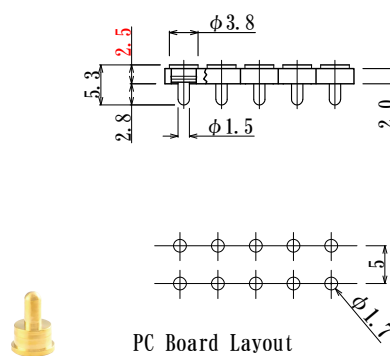
Regarding other number of positions, please feel free to contact us.



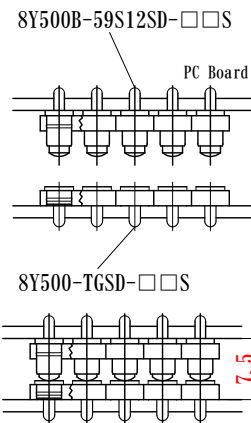
SD : Solder Dip S : Single in Line



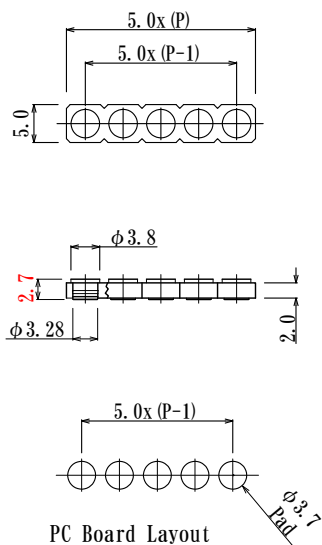
SD : Solder Dip D : Dual in Line



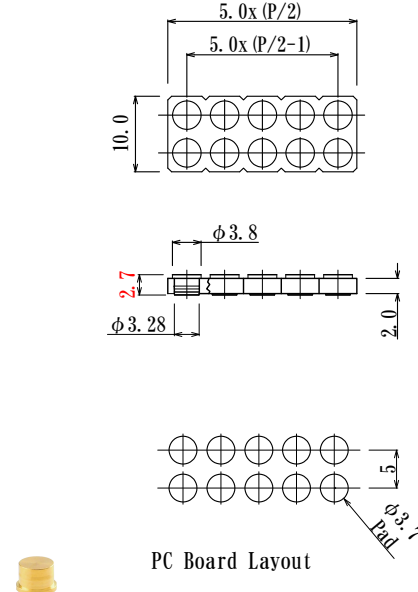
How to Use



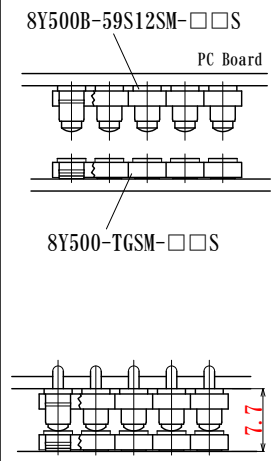
SM : Surface Mount S : Single in Line



SM : Surface Mount D : Dual in Line



How to Use



High Current Spring Probe Pins 8Y500B Series

Specifications

Contact resistance	:	50mΩ max *
Durability	:	100,000 cycles min
Operating temperature	:	-40°C~+150°C

Materials

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

<p>8Y500B-H59S12-SP-SD14 8Y500B-H59S12-SP-SM</p> <p>Sphere type Full travel 1.2mm 1.47N (150gf) at 0.9mm travel (recommended travel)</p>	<p>8Y500B-H59S12-SP-SM Temperature Rise (Reference)</p> <table border="1"> <caption>Temperature Rise Data (Reference)</caption> <thead> <tr> <th>Current (Amps)</th> <th>Temperature Rise (°C)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>2</td><td>~5</td></tr> <tr><td>4</td><td>~15</td></tr> <tr><td>6</td><td>~30</td></tr> <tr><td>8</td><td>~50</td></tr> <tr><td>10</td><td>~75</td></tr> </tbody> </table>	Current (Amps)	Temperature Rise (°C)	0	0	2	~5	4	~15	6	~30	8	~50	10	~75
Current (Amps)	Temperature Rise (°C)														
0	0														
2	~5														
4	~15														
6	~30														
8	~50														
10	~75														
<p>8Y500B-H75S17-SP-SD14 8Y500B-H75S17-SP-SM</p> <p>Sphere type Full travel 1.7mm 1.47N (150gf) at 1.4mm travel (recommended travel)</p>	<p>8Y500B-H96S19-SP-SD14 8Y500B-H96S19-SP-SM</p> <p>Sphere type Full travel 1.9mm 1.96N (200gf) at 1.4mm travel (recommended travel)</p>														
<p>※リフロー実装品です。</p> <p>*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.)</p>	<p>8Y500B-H103S26-SP-SD14 8Y500B-H103S26-SP-SM</p> <p>Sphere type Full travel 2.6mm 1.57N (160gf) at 2.1mm travel (recommended travel)</p>														