

8Y254 Series Spring Probes, SMT type

2.54mm pitch

5A max

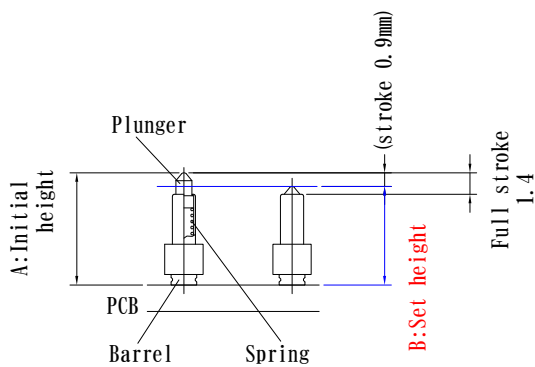
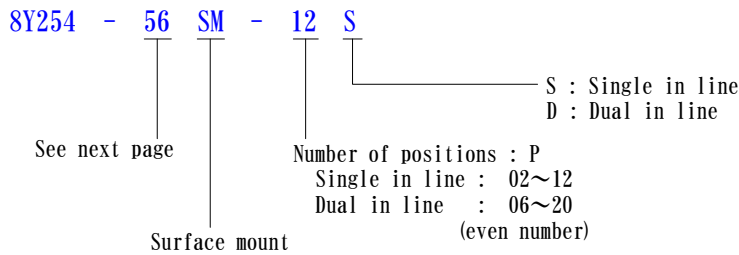
Specifications

Dielectric strength	:	AC300Vrms 1minute
Insulation resistance	:	1000MΩmin
Contact resistance	:	50mΩmax *
Capacitance	:	1pF max
Current rating at 25°C	:	DC 5.0A continuous *
Durability	:	1,000,000 cycles
Operating temperature	:	-45°C ~ +130°C

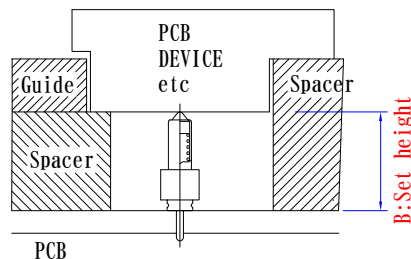
Material

Insulator	:	High temp. thermoplastic
Barrel	:	Brass, Au, over Ni
Plunger	:	Brass, Au over Ni
Spring	:	Copper alloy

Call us for your custom specification.



How to use



Current rating table

Positions	Current rating (A)
4	5.0
6	4.5
8	4.1
10	3.7
12	3.1

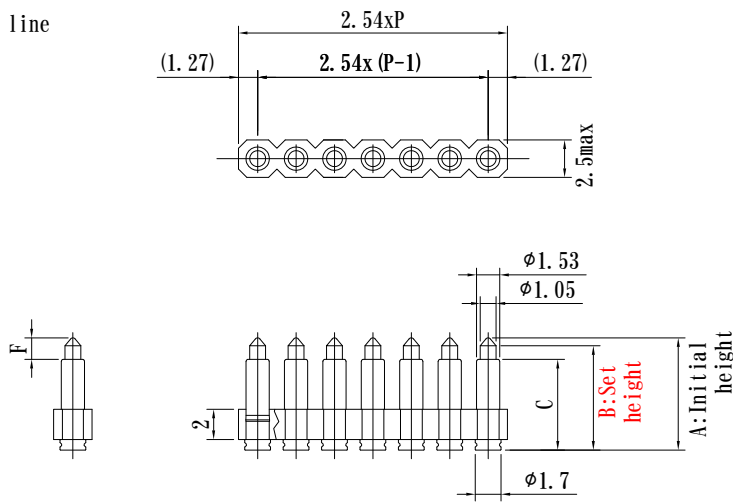
These are affected by current rating of mount board.

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

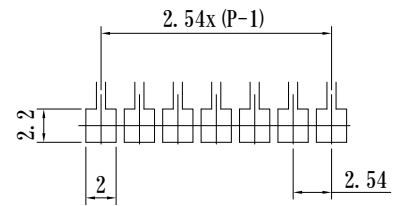
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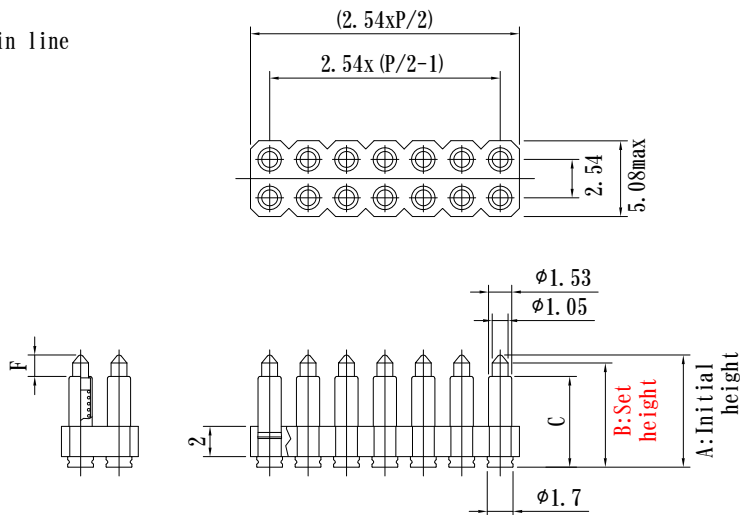
Single in line



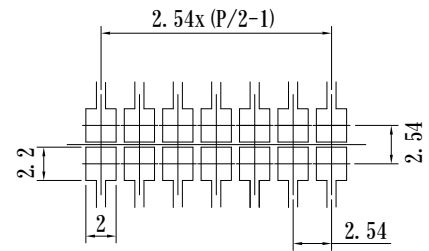
PC Layout



Dual in line



PC Layout



Product table

P/N	Line	A	B	S	C	Load	F:Full stroke	Stroke vs Load	:mm (Pin)
		Initial height	Set height	Stroke	Barrel height				
8Y254-49SM-□□S	Single In Line	5.3	4.8	0.5	4.3	0.54N/55gf	1.0	Fig. 1	8Y254-BE-H53S10-SMT
8Y254-49SM-□□D	Dual In Line								
8Y254-56SM-□□S	Single In Line	6.4	5.6	0.8	5.0	0.54N/55gf	1.4	Fig. 2	8Y254-BE-H64S14-SMT
8Y254-56SM-□□D	Dual In Line								
8Y254-66SM-□□S	Single In Line	7.4	6.6	1.2	6.0	0.49N/50gf	2.1	Fig. 3	8Y254-BE-H101S21-SMT
8Y254-66SM-□□D	Dual In Line								
8Y254-92SM-□□S	Single In Line	10.1	8.9	1.7	8.0	0.54N/55gf	2.8	Fig. 4	8Y254-BE-H120S28-SMT
8Y254-92SM-□□D	Dual In Line								
8Y254-109SM-□□S	Single In Line	12.0	10.3	1.7	9.2	0.54N/55gf	2.8	Fig. 4	8Y254-BE-H120S28-SMT
8Y254-109SM-□□D	Dual In Line								

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Fig. 1

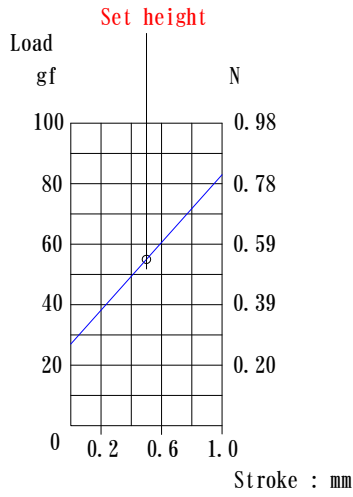


Fig. 2

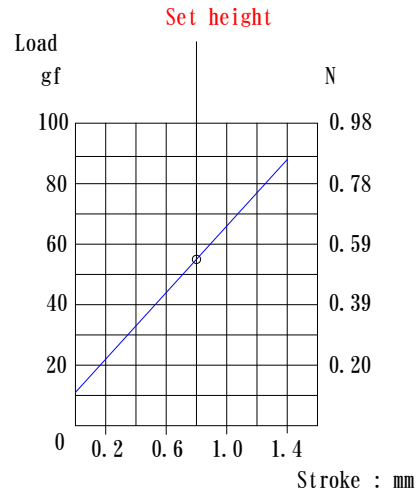


Fig. 3

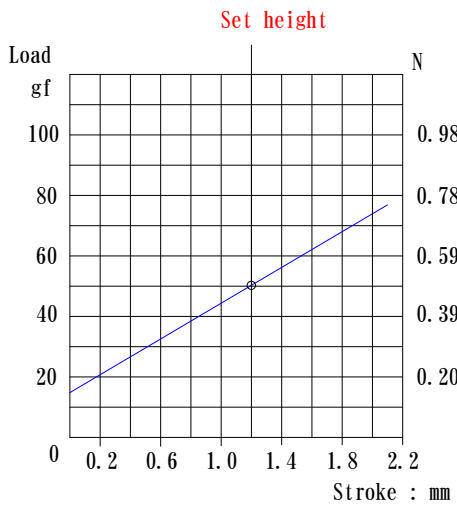


Fig. 4

