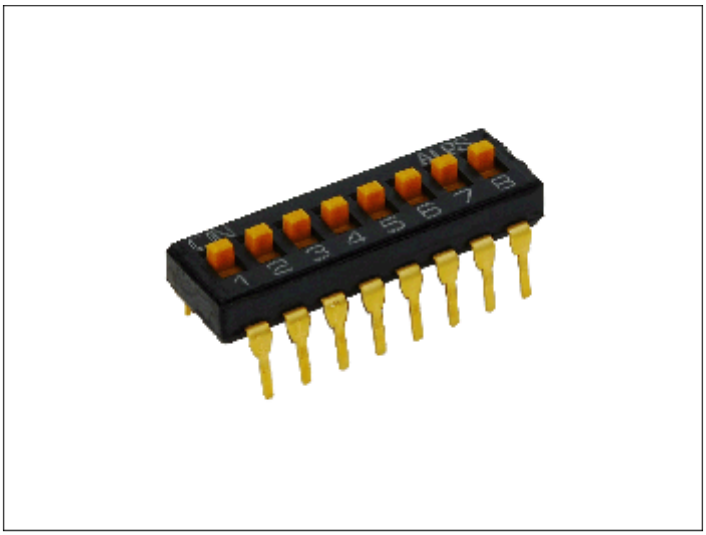
Perfecting the Art of Electronics
ALPS

2 to 10 Circuits-designed Type SSGM Series

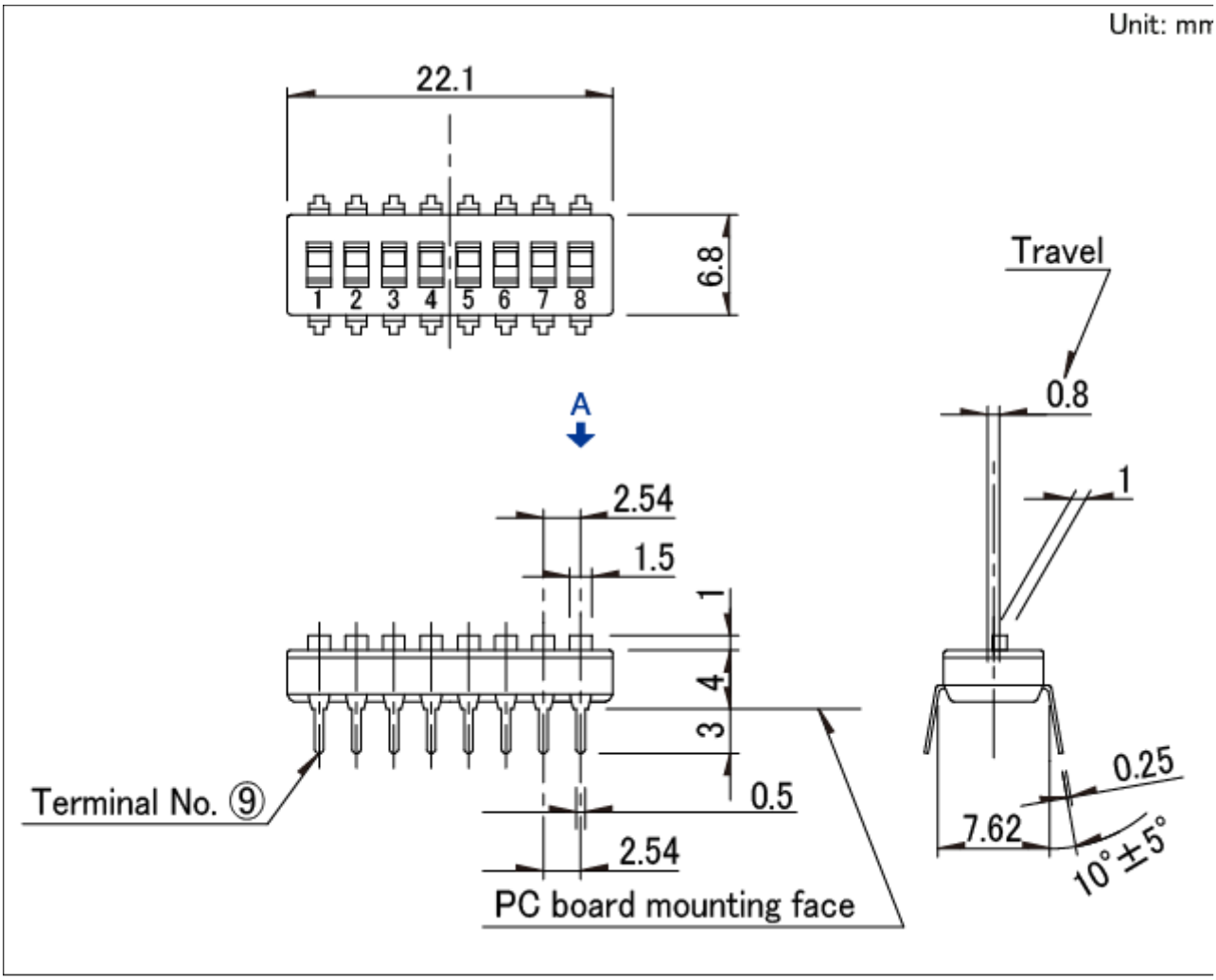
Part number			**SSGM180100**
Soldering			Insertion
Actuator configuration			Standard
Operating force			3.5±2.5N
Packaging style			Stick
Poles			8
Operating temperature range			-40℃ to +85℃
Ratings (max.)/(min.) (Resistive load)			25mA 24V DC (at opening and closing) 0.1A 50V DC (when energized) 50μA 3V DC
Electrical performance	Contact resistance (Initial performance/After lifetime)		50mΩ max./100mΩ max.
	Insulation resistance		100MΩ min. 500V DC
	Voltage proof		500V AC for 1 minute
Mechanical performance	Terminal strength		5N for 1 minute
	Actuator strength	Operating direction	10N
		Pulling direction	10N
Durability	Operating life	Without load	3,000 cycles
		With load	3,000 cycles (25mA 24V DC)
Environmental performance	Cold		-40℃ 250h
	Dry heat		85℃ 250h
	Damp heat		60℃, 90 to 95%RH 250h
Minimum order unit (pcs.)	Japan		22

Export	2,200

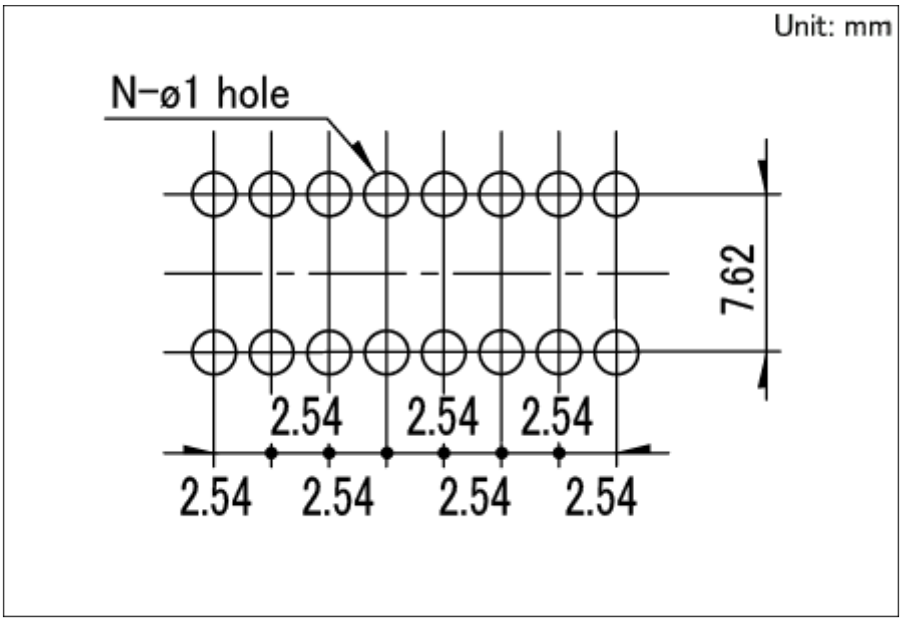
Photo



Dimensions

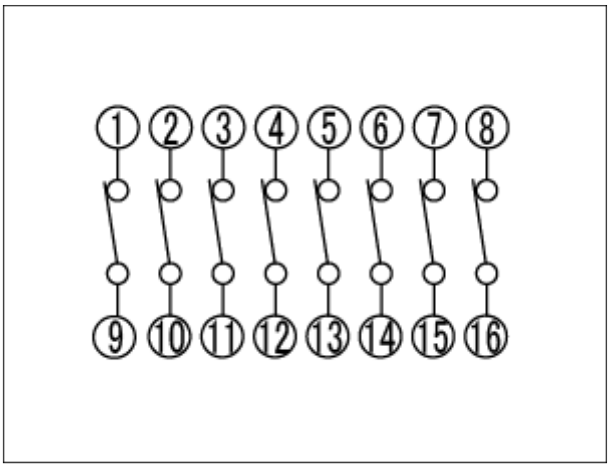

Unit: mm
22.1
6.8
1 2 3 4 5 6 7 8
A
2.54
1.5
1
4
3
0.5
2.54
Terminal No. ⑨
PC board mounting face
Travel
0.8
1
0.25
7.62
10°±5°

Mounting Hole Dimensions



Viewed from direction A in the dimensions.

Circuit Diagram



Packing Specifications

Stick

Number of packages (pcs.)	1 stick	22
	1 case / Japan	440
	1 case / export packing	2,200
Export package measurements (mm)		578×180×202

Soldering Conditions

Reference for Dip Soldering

Items	Preheating temperature	120℃ max.
	Preheating time	90s max.
Dip soldering	Soldering temperature	270±5℃
	Duration of immersion	10±1s max.

Reference for Hand Soldering

Soldering temperature	350±5℃
Soldering time	5s max.

Notes are common to this series/models.

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).
3. Products other than those listed in the above chart are also available. Please contact us for details.
4. This products can be used in vehicles.
   Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.