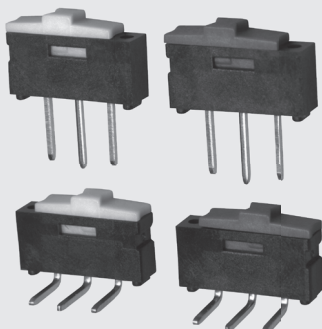


SLIDE SWITCHES

CL-SA

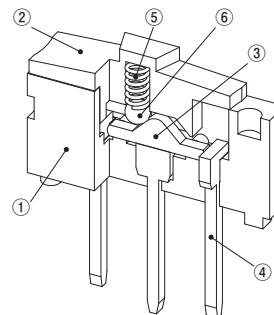
RoHS compliant



FEATURES

- Correspond to rating current 500mA
- Possible to continue mounting with 2.54mm pitch
- RoHS compliant

INTERNAL STRUCTURE



Part name	Material	Flammability
① Housing	Polyamido	UL94V-0
② Slider	Polyamido	UL94V-0
③ Slider contact	Copper alloy, Gold-plated	—
④ Terminal pin	Copper alloy, Gold-plated	—
⑤ Click spring	Stainless steel(SUS304)	—
⑥ Click ball	Stainless steel(SUS304)	—

PART NUMBER DESIGNATION

<u>CL - SA</u>		<u>1</u>	<u>2</u>	<u>C</u>	<u>0</u>	<u>2</u>	
Series name		No. of bits 1 : 1 pole		No. of positions 2 : 2 positions		Shape of terminal C : PC terminal C4 : PC terminal-R/A(Right angle)	
						Form of packaging Blank : Bulk in plastic bag	
						Contact material 2 : Gold	
						Knob length • Color 0 : Short • White 2 : Short • Red	

※ Please refer to the LIST OF PART NUMBERS when placing orders.

CL-SA

SLIDE SWITCHES

LIST OF PART NUMBERS

No. of poles	No. of contacts	Contact material	Knob length · Color	Shape of terminal	Part number	From of packaging	Pieces in package
1	2	Gold	Short · White	PC terminal	CL-SA-12C-02	Plastic bag	50pcs./pack
			Short · Red		CL-SA-12C-22		
			Short · White	PC terminal-R/A	CL-SA-12C4-02		
			Short · Red		CL-SA-12C4-22		

STANDARD SPECIFICATIONS

Operating temp. range	— 40 ~ 85 °C
Storage temp. range	
Sealing	Non- Washable

ELECTRICAL CHARACTERISTICS

Contact rating Non-switching Switching Minimum	DC50 V 500mA DC12 V 500mA DC20 mV 1 μ A
Initial contact resistance	22 m Ω maximum
Insulation resistance	10,000 M Ω minimum (DC100 V)
Dielectric strength	AC500 V 60 s

MECHANICAL CHARACTERISTICS

Stroke	1.6 mm	
Operation force	2.5 \pm 1.5 N {0.26 \pm 0.15kgf}	
Load life	Rated load	2,000 cycles
	No load	10,000 cycles
Soldering heat	Flow : 260 °C \pm 3 5 ~ 6 s 2 times max. ※Except a right angle(CL-SA-12C4-*2)	
	Manual soldering : 380 \pm 10 °C 3 ~ 4 s	

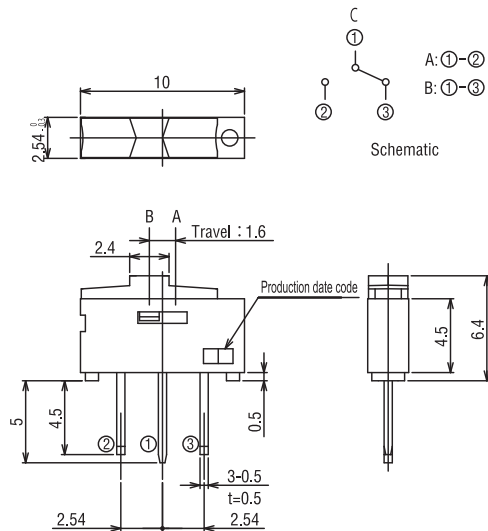
PACKAGING SPECIFICATION

Plastic bag	50pcs./ pack
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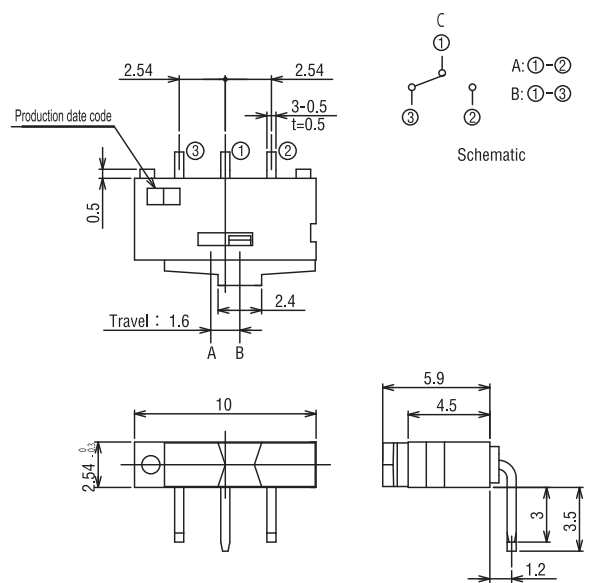
OUTLINE DIMENSIONS

Unless otherwise specified, tolerance: ± 0.3 (Unit: mm)

- CL-SA-12C-02
- CL-SA-12C-22



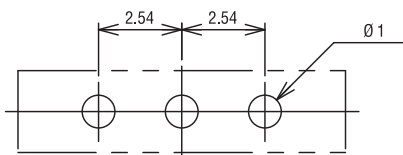
- CL-SA-12C4-02
- CL-SA-12C4-22



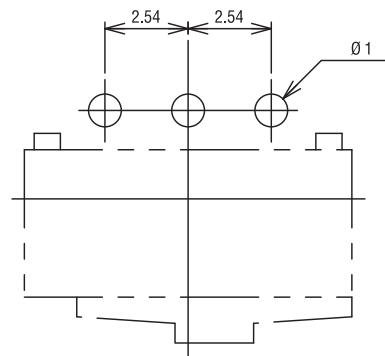
SIZE OF P.C.B. PROCESSING

(Unit : mm)

- CL-SA-12C-02
- CL-SA-12C-22



- CL-SA-12C4-02
- CL-SA-12C4-22



PACKAGING SPECIFICATIONS

<Bulk pack specifications>

- The smallest unit of bulk pack in plastic bag is 10 pcs. per pack. Orders will be accepted for unit of minimum 10 pcs., i.e., 10, 20, 30 pcs., etc.
- Boxing of bulk in a plastic bag is performed with 50 pcs. (standard 100 pcs.) per box.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nidec:

[CL-SA-12C-02](#) [CL-SA-12C4-02](#) [CL-SA-12C-22](#) [CL-SA-12C4-22](#)