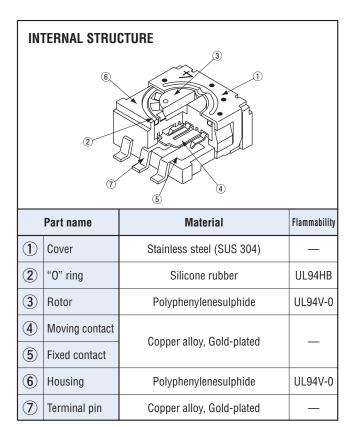
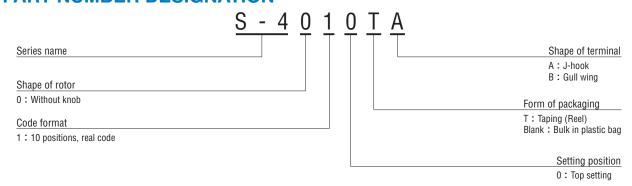


FEATURES

- RoHS compliant
- Small size of □4.8 mm makes it perfect for high density board mounting applications
- Compatible with most automatic pick & place machinery
- Gold plated contact provides excellent reliability
- Low profile design of 2.6 mm



PART NUMBER DESIGNATION



LIST OF PART NUMBERS

Setting position	Shape of terminal	Form of packaging	BCD real code	Piece in package	
Top setting	A (J-hook)	Plastic bag	S-4010A	50 pcs./pack	
	A (J-HOOK)	Taping	S-4010TA	500 pcs./reel	
	B (Gull wing)	Plastic bag	S-4010B	50 pcs./pack	
		Taping	S-4010TB	500 pcs./reel	

^{*} Verify the above part numbers when placing orders.

Taping version can be supplied only in reel unit.

STANDARD SPECIFICATIONS

Circuit type	BCD (Real code)				
Operating temperature range	05 70 00				
Storage temperature range	−25 ~ 70 °C				
Sealing	Non washable				
Net weight	Approx. 0.12 g				

■ ELECTRICAL CHARACTERISTICS

Contact rating Non-switching Switching	DC50 V 100 mA DC2.4 V 100 mA, DC24V, 10 mA					
Contact resistance	100 mΩ maximum					
Insulation resistance	100 MΩ (DC100 V) minimum					
Dielectric strength	AC250 V, 60 s					

■ MECHANICAL CHARACTERISTICS

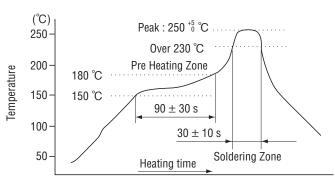
No. of positions	10					
Adjustment torque	10 mN·m {102 gf·cm} maximum					
Stepping angle	36° (10 positions)					
Solderability	245 ± 3 °C, 2 ~ 3 s					
Soldering heat	Reflow: 255 °C (Peak temperature) (Please refer to the profile below)					
_	Manual soldering : 350 ± 10 °C, 3 ~ 4 s					
Shear (adhesion)	5 N {0.51 kgf} 10 s					
Substrate bending	Width 90 mm, bend 3 mm, 5 s, 1 time					
Pull-off strength	5 N {0.51 kgf} 10 s					

 $\{\ \}$: Reference only

■ ENVIRONMENTAL CHARACTERISTICS

Vibration	(Amplitude) 1.5 mmor (Acceleration) 98 m/s², 10-500-10 Hz, 3 directions for 2 h each					
Shock	490 m/s², 11 ms 6 directions for 3 times each					
Load life	10000 steps minimum DC2.4 V 100 mA					
Humidity (Steady state)	40 °C, Relative humidity 90 ~ 95 %, 240 h					
High temperature exposure	70 °C, 96 h					
Low temperature exposure	−25 °C, 96 h					
Thermal shock	-25 (0.5 h) ~ 70 °C (0.5 h), 5 cycles					

⟨Reflow profile for soldering heat evaluation⟩



Reflow: two times maximum

CODE FORMAT

No. of positions		10 positions										
Positions		0	1	2	3	4	5	6	7	8	9	
Code	Real code	8									•	•
		4						•				
		2			•	•						
		1		•		•		•		•		•

Contact closed

S-4000

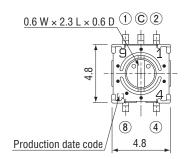
ROTARY CODED SWITCHES (SMD)

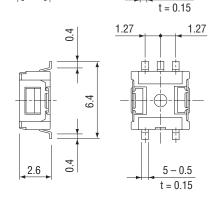
OUTLINE DIMESIONS

● S-4010A

1.27 1.27 2.6 5 - 0.5

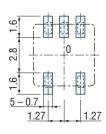
● S-4010B



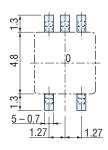


■ RECOMMENDED P.C.B. PAD OUTLINE DIMENSIONS

A type



B type



Note) The zero point is the center of mounting.

Unless otherwise specified, tolerance: \pm 0.3 (Unit: mm)

(Unit : mm)

■ PACKAGING SPECIFICATIONS

<Taping packaging specifications>

- Taping version is packaged in 500 pcs. per reel.
 Orders will be accepted for units of 500 pcs., i.e., 500, 1000, 1500, pcs., etc.
- Taping version is boxed with one reel (500 pcs.).

Maximum number of consecutive missing pieces=2. Leader length and reel dimension are shown in the diagrams below:

Embossed tape dimensions

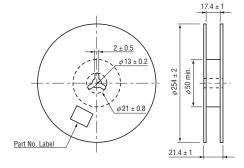
Reel dimensions

(Unit: mm)

Empty Filled Empty Head 40 mm min. Direction of feed Leader

400 mm min.

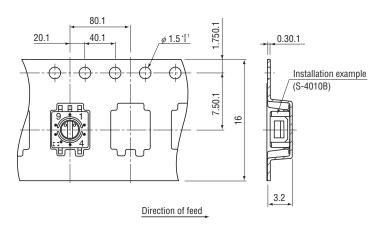
(Conforms to JIS C 0806-3) (In accordance with EIAJ ET-7200A)



● S-4010TA/TB

(Conforms to JIS C 0806-3)

(Unit: mm)



<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 200 pcs.) per box.