

# New Product

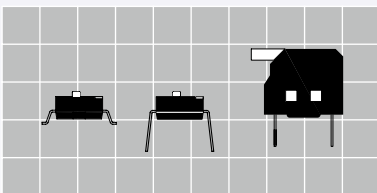
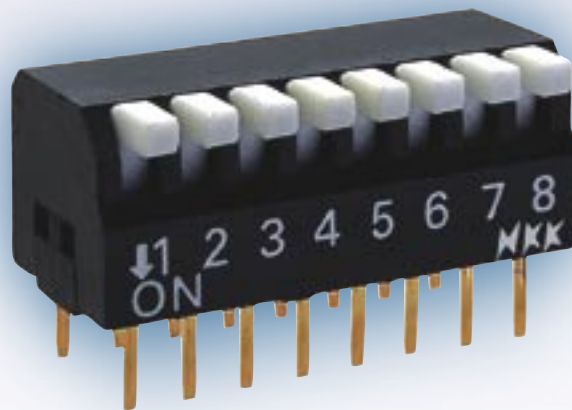
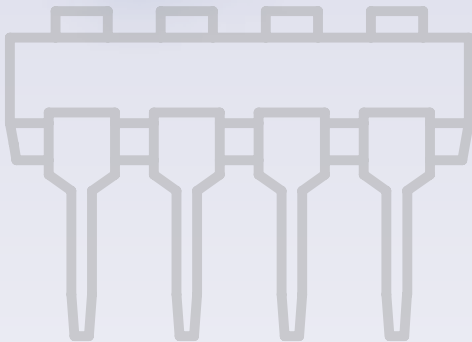
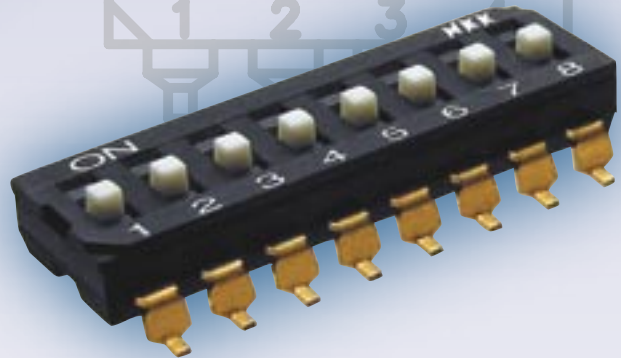
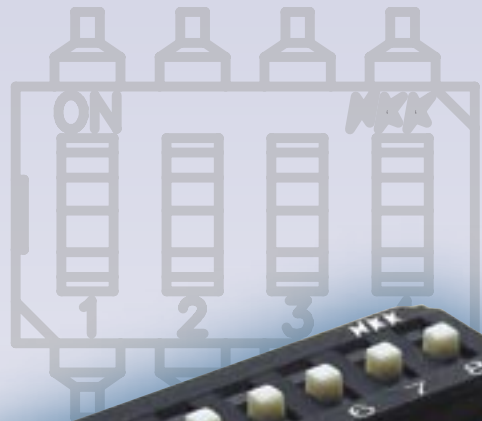
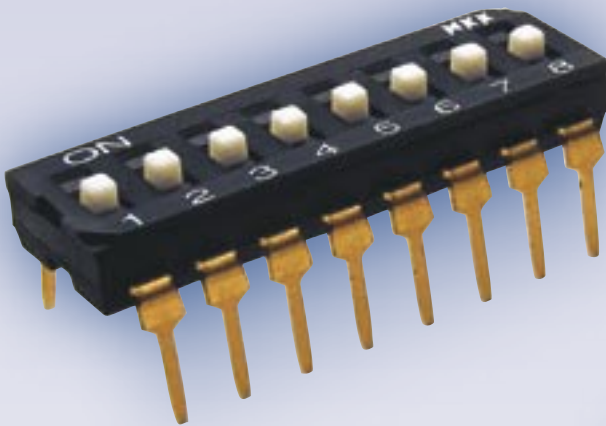
# CONTACT

No.106



Environmentally Friendly / Meets RoHS Directive

## Series JS01 / Series JS02 / Series JS03 DIP Slide Switch



Actual size

## Environmentally Friendly / Meets RoHS Directive

# DIP Slide Switch Series JS01/JS02/JS03

### ● Highly Cost Effective ● Lead-Free



#### Environmentally Friendly

- Suited to lead-free solder processing applications because of heat resistant resin materials.
- Components and packaging materials meet RoHS Directive of March 31, 2004, restricting use of hazardous materials such as lead, cadmium, mercury, hexavalent chromium, PBB, and PBDE.



#### High Heat Resistant Case

- Heat resistant resin used for case allows vapor phase and infrared convection reflow soldering.



#### UL94V-0 Model Base

- Use of self-extinguishing UL94V-0 certified material in base provides high arc resistance and high insulation resistance.



#### Highly Reliable Contact Mechanism

- Self-cleaning twin contacts provide high reliability. (JS01/JS02)
- Sliding contact provide high reliability. (JS03)



#### Gull-wing Terminals

- Shape of terminals provides mechanical stability during soldering and simplifies solder joint inspection. (JS02)



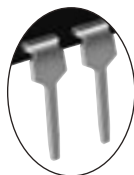
#### Gold Plated Contacts

- Prevent oxidation and sulfide effective and provide stable contact resistance.



#### Stand, Through-Hole Terminals

- Shape of terminals ensures secure PCB mounting and prevents dislodging during wave soldering. (JS01)

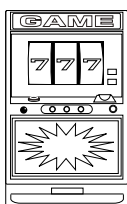


▶ Available

June 30, 2004

#### ▶ Applications

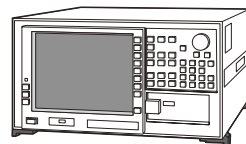
Office equipment, FA equipment, Telecommunication, Electronic measurement, Gaming equipment, and more



Gaming equipment



Office equipment



Electronic measurement



▶ Standard Surface Mount Terminals

4 Poles	<p><b>JS0204AP4</b></p> <p>Technical drawings for JS0204AP4 showing dimensions: 11.1, 6.2, 1.9, 1.1, 2.54, 7.62, 0.5, 0.7, 3, 0.6, 7.62, 0.3, 0.8, 9.8, 0.25. Pin numbering 1-4 and 5-8. Footprint (Top view of PC board) dimensions: 1.1, 2.54, 7.4, 10.4, 7.62.</p>	<p><b>Footprint</b> (Top view of PC board)</p>
8 Poles	<p><b>JS0208AP4</b></p> <p>Technical drawings for JS0208AP4 showing dimensions: 21.26, 6.2, 1.9, 1.1, 2.54, 17.78, 0.5, 0.7, 3, 0.6, 7.62, 0.3, 0.8, 9.8, 0.25. Pin numbering 1-8 and 9-16. Footprint (Top view of PC board) dimensions: 1.1, 2.54, 7.4, 10.4, 17.78.</p>	<p><b>Footprint</b> (Top view of PC board)</p>

**Coplanarity Tolerance**

Coplanarity tolerance:  
0.15mm max.

▶ Piano Through-hole Terminals

4 Poles	<p><b>JS0304PP4</b></p> <p>Technical drawings for JS0304PP4 showing dimensions: 11.34, 10.6, 1.4, 12.15, 8.3, 7.62, 0.2, 2.54, 7.62, 0.6, 9.2, 3.7. Pin numbering 1-4 and 5-8. Footprint (Top view of PC board) dimensions: 2.54, 7.62, 7.62, 8-0.97.</p>	<p><b>Footprint</b> (Top view of PC board)</p>
8 Poles	<p><b>JS0308PP4</b></p> <p>Technical drawings for JS0308PP4 showing dimensions: 21.5, 10.6, 1.4, 12.15, 8.3, 7.62, 0.2, 2.54, 17.78, 0.6, 9.2, 3.7. Pin numbering 1-8 and 9-16. Footprint (Top view of PC board) dimensions: 17.78, 2.54, 7.62, 16-0.97.</p>	<p><b>Footprint</b> (Top view of PC board)</p>

## ► Packaging

JS01/JS03 are packaged in stick-tube (only).  
 JS02 is packaged in stick-tube or on a tape-reel.

### Packaging units

JS01/JS02 w/4 position	46pcs/stick-tube
JS01/JS02 w/8 position	24pcs/stick-tube
JS03 w/4 position	44pcs/stick-tube
JS03 w/8 position	23pcs/stick-tube
JS02	500pcs/tape-reel

Packaging specification code:

Stick-tube packaging : - S

Tape-reel packaging : - R

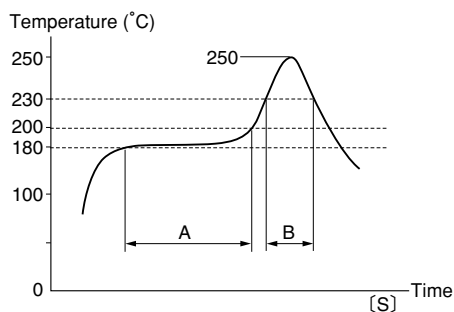
When ordering, please add the packaging code at the end of the product name. When tape-reel packaging is selected, please order by the packaging unit.

Stick-Tube Packaging	Tape-Reel Packaging
<p><b>JS0104AP4-S</b> <b>JS0108AP4-S</b></p>	<p><b>JS0204AP4-R</b></p>
<p><b>JS0204AP4-S</b> <b>JS0208AP4-S</b></p>	<p><b>JS0208AP4-R</b></p>
<p><b>JS0304PP4-S</b> <b>JS0308PP4-S</b></p>	

## ► Operation Instructions

### Soldering

- Manual Soldering: 4 seconds max. @ 390°C max.
- Reflow Soldering:  
 Infrared reflow recommended, see temperature profile below.



Part Number	Time	Preheat	Reflow
<b>JS02</b>		120 sec	60 sec

Depending on the material and thickness of the PC board, surface temperatures may vary. Do not let temperature exceed 260°C. If your process exceeds the infrared reflow soldering limits shown in the graph left, contact factory for further information.

### Washing

The JS devices are not washable. Alcohol based washing fluid should be used to clean flux after soldering on the PC board.

### Installation

Avoid mechanical stress on the terminals after soldering.



\* Note that the specifications are subject to change without notice. For the latest specifications, contact our persons in charge.

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