

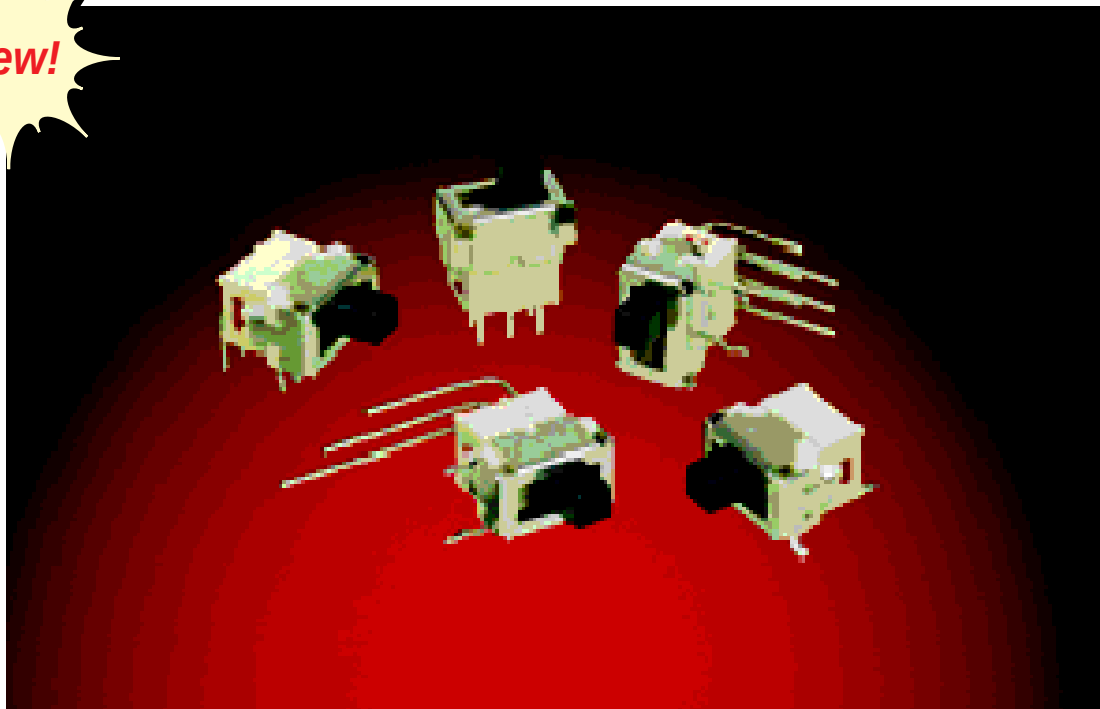


ES Series

Sealed Sub-miniature Slide Switches

New!

*Internally sealed...
No boot seal
required!*



C&K introduces a uniquely sealed sub-miniature slide switch that is process compatible. The ES Series offers an internal o-ring and epoxy base seal that protects the switch from wave and reflow soldering as well as cleaning processes. The compact design of these slide switches make them ideal for applications where space is limited. A variety of models are available including surface mount, thru-hole and right angle.

Features

- Sealed construction, internal o-ring, epoxy base seal
- Process compatible — withstands wave & reflow soldering and cleaning processes
- High temperature materials (UL 94V-0) for processing flexibility
- Compact size saves PCB space
- Tin-lead alloy coats all sides of terminals for solder joint integrity

Applications

- Computers
- Modems
- Telecommunication devices
- Test equipment

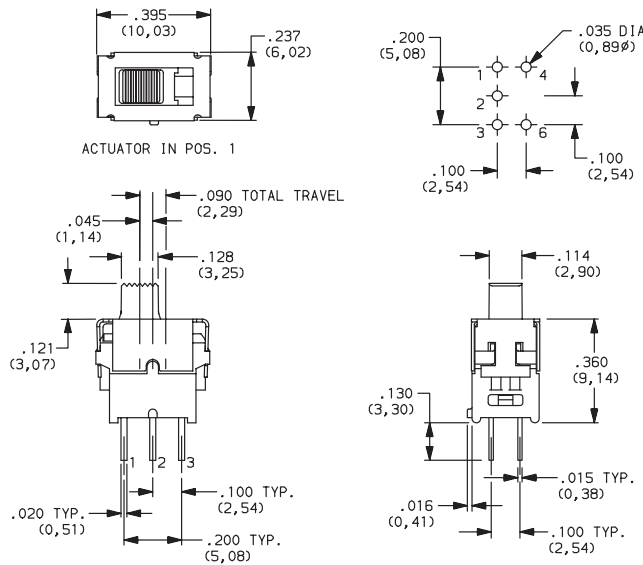
C&K's ES Series Sealed Sub-miniature Slide Switches complements the broadest line of sub-miniature switches in the industry. For additional information, free samples or our latest catalog, call today. Or make your request online at www.ckcorp.com.

Tel: (800) 635-5936
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Web Site: www.ckcorp.com



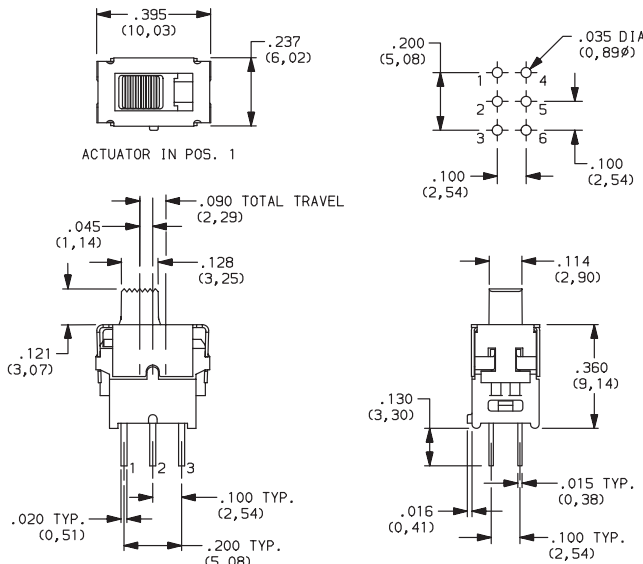
® C&K Components, Inc.
57 Stanley Avenue
Watertown, MA 02472-4802

The Primary Source Worldwide®



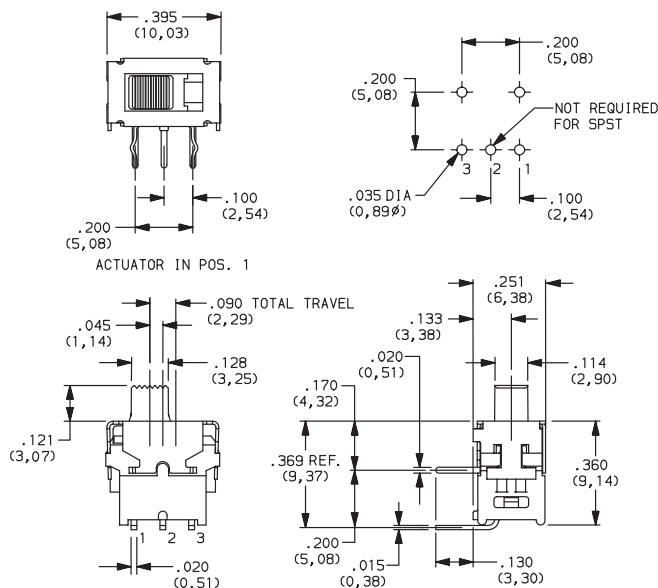
**SPST & SPDT Models
with "C" thru-hole terminals**

MODEL NO.	SWITCH FUNCTION		
	POS. 1	POS. 2	POS. 3
ES01MCKE	ON	NONE	ON
ES03MCKE	ON	OFF	ON
CONN. TERMINALS	2-3	OPEN	2-1
SCHEMATIC			
SPDT			
ES02MCKE	ON	NONE	ON
CONN. TERMINALS	OPEN	N/A	3-1
SCHEMATIC			
SPST			



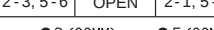
**DPST & DPDT Models
with "C" thru-hole terminals**

MODEL NO.	SWITCH FUNCTION		
	POS. 1	POS. 2	POS. 3
ES21MCKE	ON	NONE	ON
ES23MCKE	ON	OFF	ON
CONN. TERMINALS	2-3, 5-6	OPEN	2-1, 5-4
SCHEMATIC			
DPDT			
ES22MCKE	ON	NONE	ON
CONN. TERMINALS	OPEN	N/A	3-1, 6-4
SCHEMATIC			
DPST			

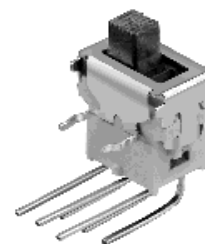
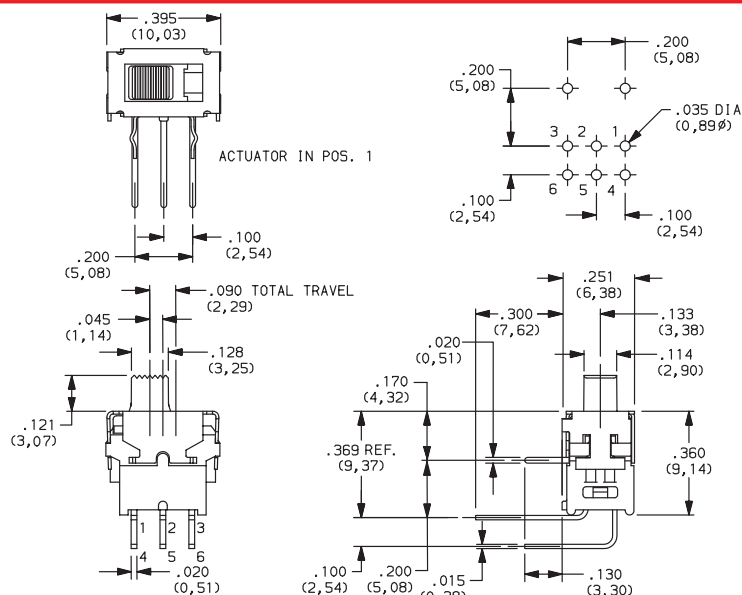


**SPST & SPDT Models
with "A" thru-hole terminals**

MODEL NO.	SWITCH FUNCTION		
	POS. 1	POS. 2	POS. 3
ES01MAKE	ON	NONE	ON
ES03MAKE	ON	OFF	ON
CONN. TERMINALS	2-3	OPEN	2-1
SCHEMATIC			
SPDT			
ES02MAKE	ON	NONE	ON
CONN. TERMINALS	OPEN	N/A	3-1
SCHEMATIC			
SPST			

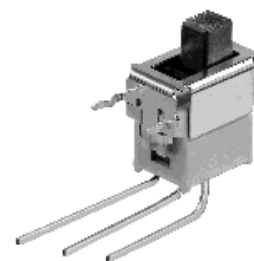
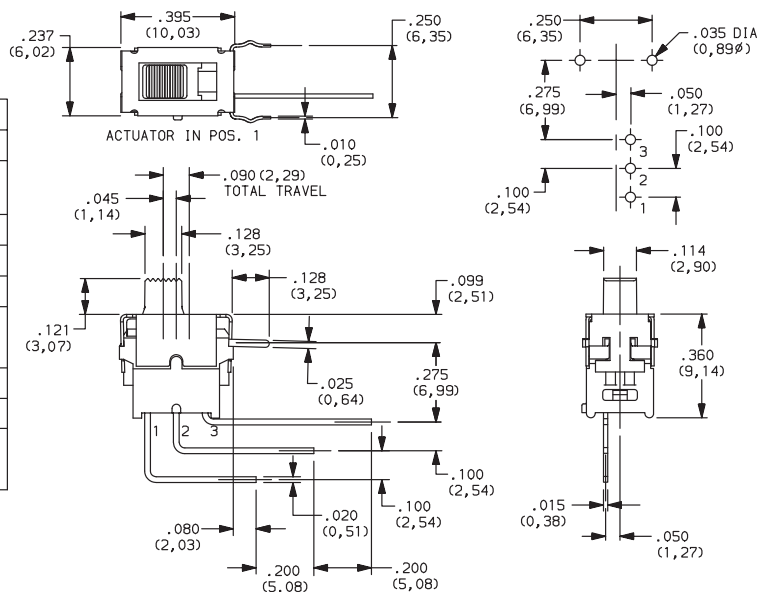
MODEL NO.	SWITCH FUNCTION		
	POS. 1	POS. 2	POS. 3
			
ES21MAKE	ON	NONE	ON
ES23MAKE	ON	OFF	ON
CONN. TERMINALS	2-3, 5-6	OPEN	2-1, 5-4
SCHMATIC			
DPDT	1 ●	3 ●	4 ● 6 ●
ES22MAKE	ON	NONE	ON
CONN. TERMINALS	OPEN	N/A	3-1, 6-4
SCHMATIC			
DPST	1 ●	3 ●	4 ● 6 ●

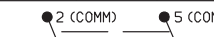
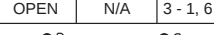
DPST & DPDT Models with "A" thru-hole terminals



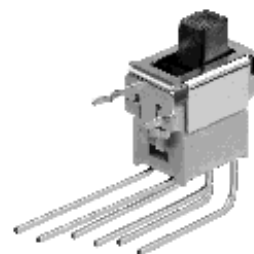
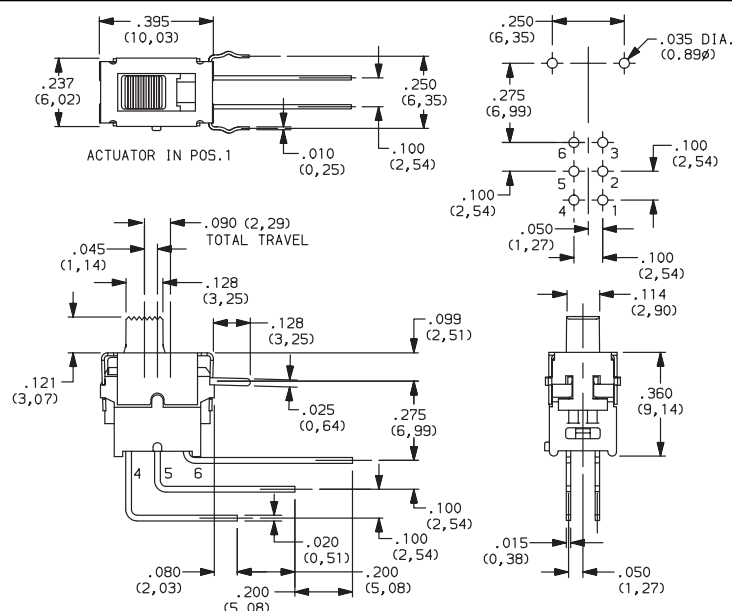
MODEL NO.	SWITCH FUNCTION		
	POS. 1	POS. 2	POS. 3
			
ES01MAVKE	ON	NONE	ON
ES03MAVKE	ON	OFF	ON
CONN. TERMINALS	2-3	OPEN	2-1
SCHEMATIC 			
ES02MAVKE	ON	NONE	ON
CONN. TERMINALS	OPEN	N/A	3-1
SCHEMATIC 			

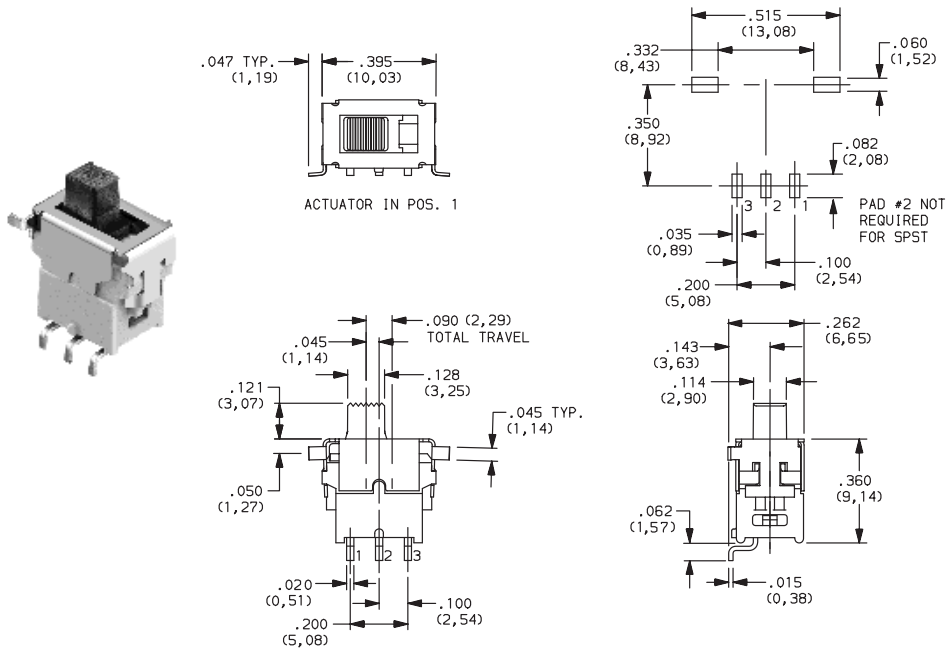
SPST & SPDT Models with "AV" thru-hole terminals



MODEL NO.	SWITCH FUNCTION		
	POS. 1	POS. 2	POS. 3
			
ES21MAVKE	ON	NONE	ON
ES23MAVKE	ON	OFF	ON
CONN. TERMINALS	2-3, 5-6	OPEN	2-1, 5-4
SCHMATIC			
DPDT	1 ●	3 ●	4 ● 6 ●
ES22MAVKE	ON	NONE	ON
CONN. TERMINALS	OPEN	N/A	3-1, 6-4
SCHMATIC			
DPST	1 ●	3 ●	4 ● 6 ●

DPST & DPDT Models with "AV" thru-hole terminals





MODEL NO.	SWITCH FUNCTION		
	POS. 1	POS. 2	POS. 3
ES01MSAKE	ON	NONE	ON
ES03MSAKE	ON	OFF	ON
CONN. TERMINALS	2-3	OPEN	2-1
SCHEMATIC			
SPDT			
ES02MSAKE	ON	NONE	ON
CONN. TERMINALS	OPEN	N/A	3-1
SCHEMATIC			
SPST			

SPST & SPDT Models with "SA" surface mount terminals

Specifications

CONTACT RATING: 0.4 VA max. @ 20 V AC or DC max.
 MECHANICAL & ELECTRICAL LIFE: 40,000 make-and-break cycles at full load.
 CONTACT RESISTANCE: 50 milliohms max. initial at 2-4 V DC, 1 00 mA.
 INSULATION RESISTANCE: 10^9 ohms min.
 DIELECTRIC STRENGTH: 500 V RMS min.
 OPERATING TEMPERATURE: -30°C to 85°C.
 SOLDERABILITY: Per MIL-STD 202F method 208D, or EIA RS-186E method 9.
 ESD ENDURANCE: 8 kV min. (EIA 545).
 PACKAGING: Standard packaging is anti-static trays.
 Optional tape & reel packaging available for surface mount models, consult factory.

Materials

HOUSING & BASE: Nylon (UL 94V-0).
 ACTUATOR: LCP (UL 94V-0) black, std.
 SURFACE PLATE: Stainless steel with tin plate.
 MOVABLE CONTACTS: Phosphor bronze with gold plate over nickel plate.
 STATIONARY CONTACTS: Copper alloy with gold plate over nickel plate.
 TERMINALS: Copper alloy with tin-lead alloy over nickel plate.
 All terminals insert molded.
 TERMINAL SEAL: Epoxy.

Other Slide Switches Available



- 1000 Series Miniature Slide Switches
- GS Series Ultra-miniature Slide Switches
- TS Series Tiny Slide Switches
- L Series Consumer Grade Slide Switches
- LP Series Snap-in Slide Switches
- S Series Power Slide Switches
- V Series Power & Line Voltage Select Slide Switches