



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# KS Single Pole Key Switches



## Features/Benefits

- Positive tactile feel
- Variety of cap colors
- SPST and SPDT configurations
- RoHS compliant

## Typical Applications

- Telecommunications
- Industrial
- Instrumentation

## Specifications

CONTACT RATING: Q contact material: 25mA @ 50V AC .or DC max.  
 ELECTRICAL LIFE: 100,000 actuations.  
 CONTACT RESISTANCE: Below 100 mΩ initial @ 2-4 V DC, 100 mA  
 INSULATION RESISTANCE: 10<sup>9</sup>Ω min.  
 DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.  
 OPERATING TEMPERATURE: -30°C to 65°C.  
 SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

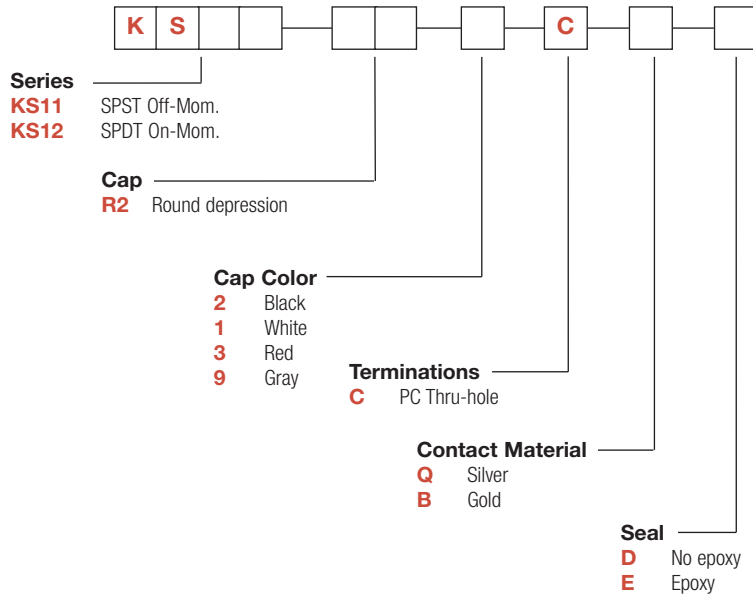
**Note:** Specifications and materials listed above are for switches with standard options.  
 For information on specific and custom switches, consult Customer Service Center.

## Materials

CASE: Glass filled nylon (UL 94V-0).  
 ACTUATOR: ABS, matte finish, black standard.  
 MOVABLE CONTACT: Q contact material: Stainless steel, silver plated.  
 STATIONARY CONTACTS AND TERMINALS: Q contact material: copper alloy, silver plated.  
 TERMINAL SEAL: Epoxy

## How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



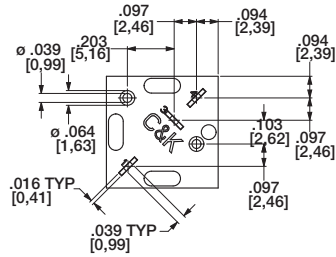
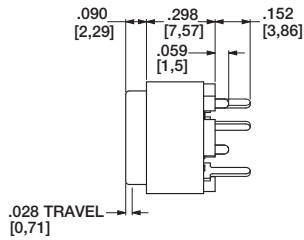
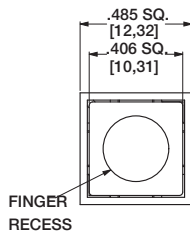
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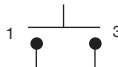

Key Switches

# KS Single Pole Key Switches

SERIES 

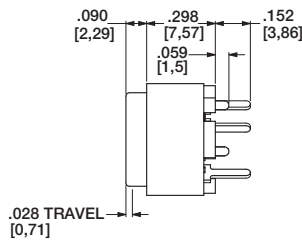
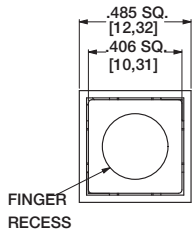
## KS11 / KS12



NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	KS11	OFF	MOM.	OPEN	1-3	SPST 
	KS12	ON	MOM.	1-4	1-3	SPDT 

CAP 

## R2 CAP WITH ROUND DEPRESSION



OPTION CODE	CAP COLOR
2	BLACK
1	WHITE
3	RED
9	GRAY



Key Switches



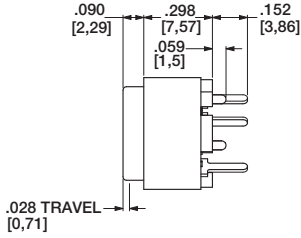
Dimensions are shown: mm  
Specifications and dimensions subject to change



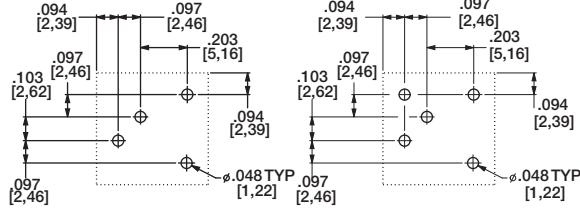
# KS Single Pole Key Switches

## TERMINATION

### C PC THRU-HOLE



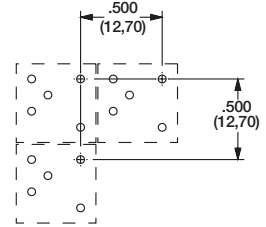
### PC MOUNTING



KS11

KS12

### MULTIPLE SWITCH SPACING



## CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
Q	SILVER <sup>2</sup>	SILVER <sup>2</sup>	POWER	25 mA MAX. @ 50 V AC OR DC MAX.
B	GOLD <sup>1</sup>	GOLD <sup>1</sup>	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.

- MOVABLE CONTACT: Stainless steel, with gold plate over nickel plate.  
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
- MOVABLE CONTACT: Stainless steel, silver plated.  
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, silver plated.

**NOTE:** Any models supplied with Q or B contact material are RoHS compliant.



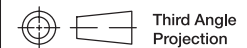
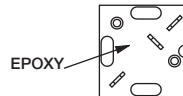
### D

### D NO EPOXY SEAL

Key Switches

## SEAL

### E EPOXY SEAL



Third Angle  
Projection

Dimensions are shown: mm  
Specifications and dimensions subject to change