



## Features/Benefits

- Positive tactile feel
- Variety of cap colors
- LED support available
- 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).

## Materials

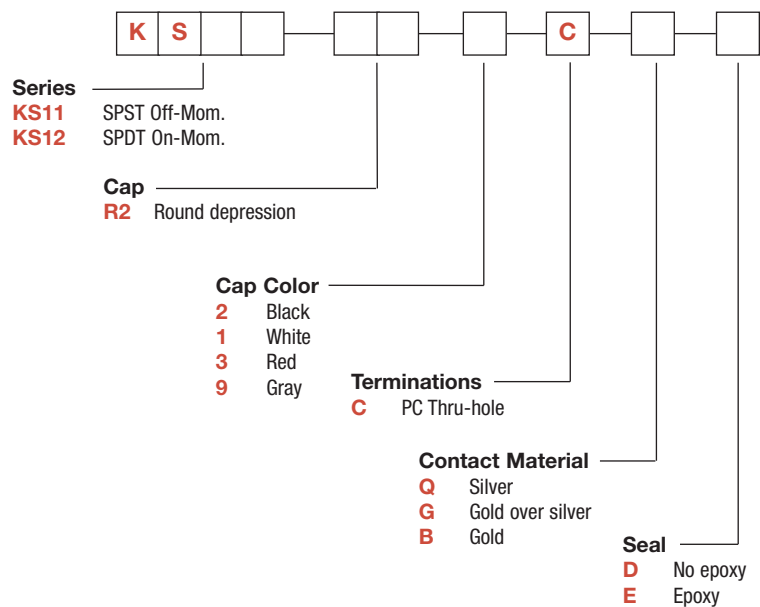
CASE: Glass filled nylon (UL 94V-0).  
 ACTUATOR: Nylon 6/6 or ABS, matte finish, black standard.  
 MOVABLE CONTACT: Q contact material: Stainless steel, silver plated.  
 STATIONARY CONTACTS AND TERMINALS: Q contact material: copper alloy, silver plated.  
 TERMINAL SEAL: Epoxy

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

**NOTE:** Product to be compatible with the lead free soldering profile on Q4 2006.

## How To Order

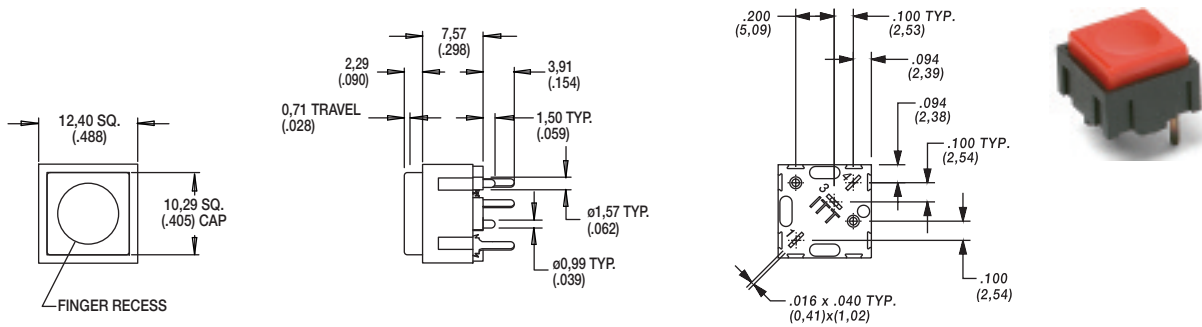
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.





# KS Single Pole Key Switches

SERIES 

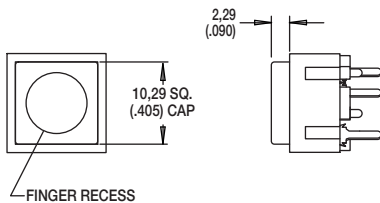
## KS11 / KS12



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 

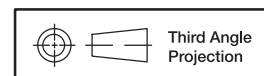
CAP 

## R2 CAP WITH ROUND DEPRESSION



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

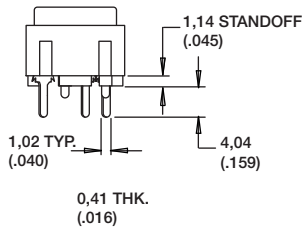
Key Switches



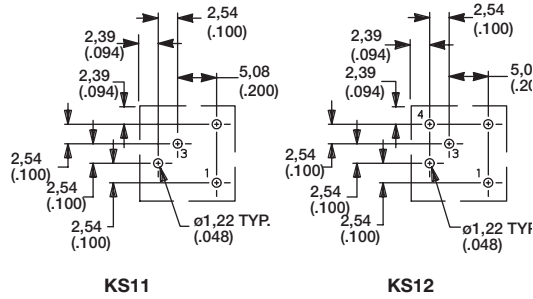
Dimensions are shown: Inch (mm)  
Specifications and dimensions subject to change

## TERMINATION

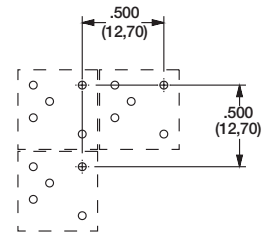
### C PC THRU-HOLE



### PC MOUNTING



### MULTIPLE SWITCH SPACING



## CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
<b>Q</b>	SILVER <sup>2</sup>	SILVER <sup>2</sup>	POWER	25 mA MAX. @ 50 V AC OR DC MAX.
<b>B</b>	GOLD <sup>1</sup>	GOLD <sup>1</sup>	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
<b>G</b>	GOLD/SILVER <sup>3</sup>	GOLD <sup>1</sup>	LOW LEVEL/DRY CIRCUIT OR POWER	0.4 VA MAX. @ 20 V AC OR DC MAX. OR 25 mA MAX. @ 50 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.
- MOVABLE CONTACT: Stainless steel, with gold plate over nickel plate over silver plate.  
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate over silver plate.

**NOTE:** Any models supplied with Q, B or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: [www.ittcannon.com/rohs](http://www.ittcannon.com/rohs).

## SEAL

### D NO EPOXY SEAL

### E EPOXY SEAL

