



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**
- **LED support available**
- **SPST and SPDT configurations**

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: 10⁹ 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: ABS or polycarbonate-ABS blend, matte finish, black standard.
 MOVABLE CONTACT: Q contact material: beryllium copper or 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.

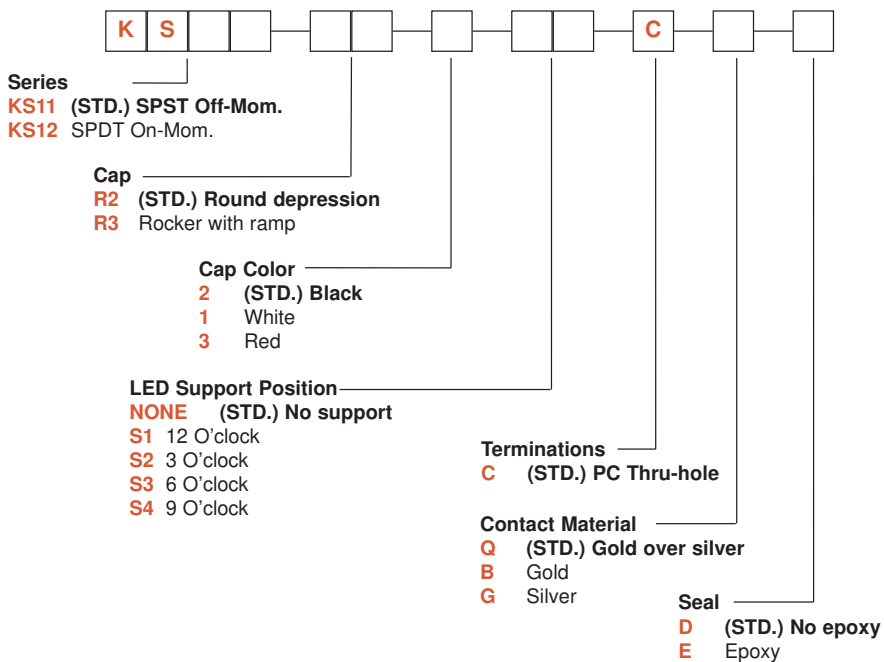


How To Order

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.

D

Key Switches

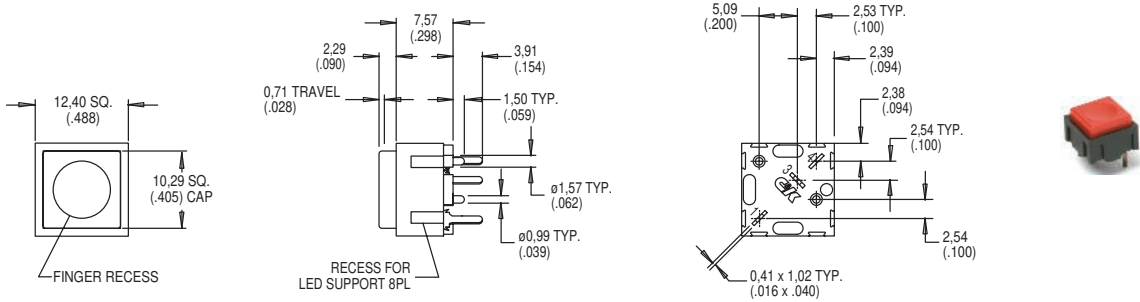


KS Single Pole Key Switches

SERIES



KS12

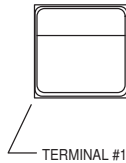
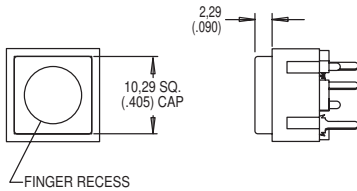


CAP



R2 (STD.) CAP WITH ROUND DEPRESSION

R3 ROCKER CAP WITH RAMP

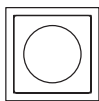


| OPTION CODE | CAP COLOR |
|-------------|--------------|
| 2 | (STD.) BLACK |
| 1 | WHITE |
| 3 | RED |

LED SUPPORT

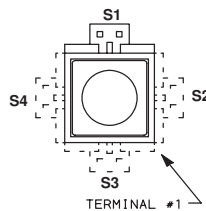


(NONE) (STD.) NO LED SUPPORT



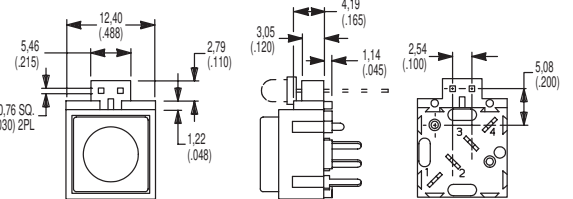
No LED support.

S1, S2, S3, S4 WITH LED SUPPORT



Position of factory installed LED support.

TYPICAL INSTALLATION

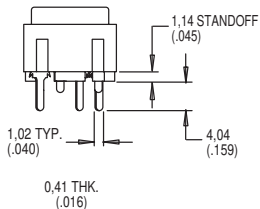


NOTE: LED support shown in position S1. LED not supplied. LED support also available separately, see page .

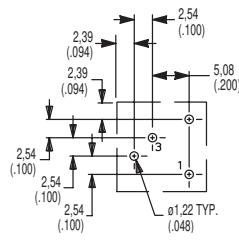
TERMINATION



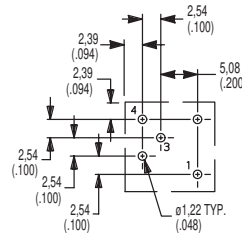
C (STD.) PC THRU-HOLE



PC MOUNTING

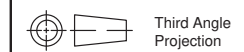
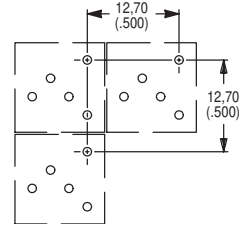


KS11



KS12

MULTIPLE SWITCH SPACING



Third Angle Projection

KS Single Pole Key Switches

CONTACT MATERIAL

| OPTION CODE | CONTACT MATERIAL | TERMINAL PLATING | RATINGS | |
|-----------------|--------------------------|---------------------|--------------------------------|---|
| | | | | |
| Q (STD.) | SILVER ² | SILVER ² | POWER | 25 mA MAX. @ 50 V AC OR DC MAX. |
| B | GOLD ¹ | GOLD ¹ | LOW LEVEL/DRY CIRCUIT | 0.4 VA MAX. @ 20 V AC OR DC MAX. |
| G | GOLD/SILVER ³ | GOLD ¹ | 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. |

CONTACT MATERIAL / APPLICATION RECOMMENDATIONS - SEE CHART, PAGE

¹ MOVABLE CONTACT: Beryllium copper, with gold plate over nickel plate.
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

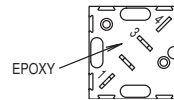
² MOVABLE CONTACT: Beryllium copper, silver plated.
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, silver plated.

³ MOVABLE CONTACT: Beryllium copper, with gold plate over nickel plate over silver plate.
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate over silver plate.

SEAL

D (STD.) NO EPOXY SEAL

E EPOXY SEAL



D

Key Switches