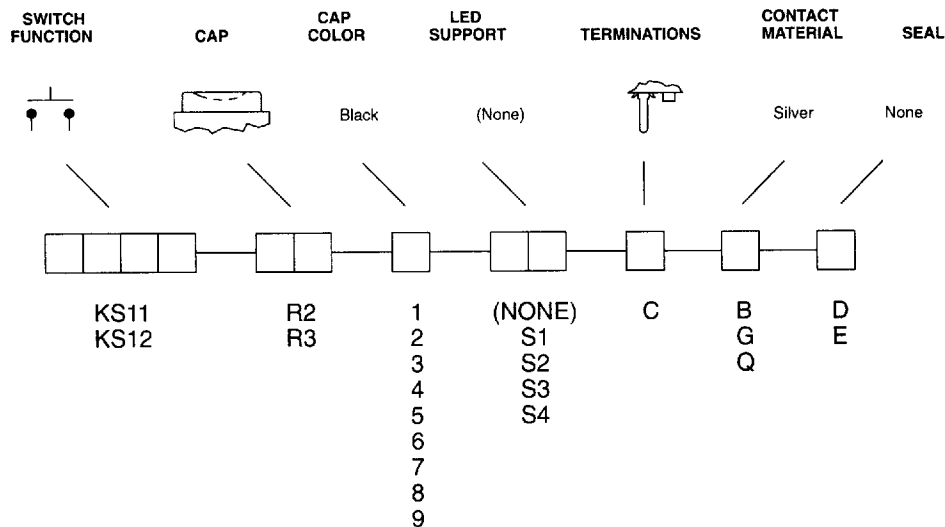


Easy Build-A-Switch:

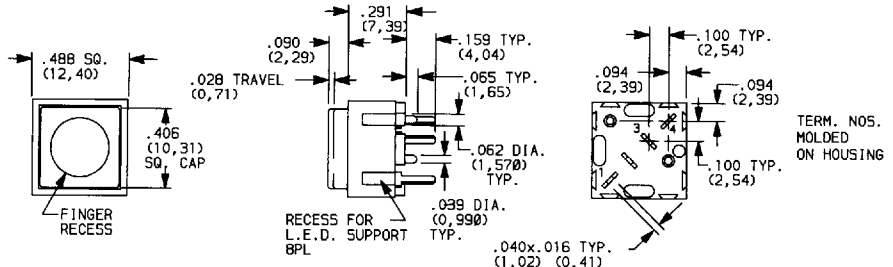
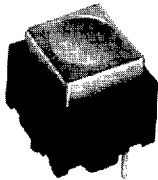
Below is a complete listing of available options for KS SERIES PUSHBUTTON KEY SWITCHES. Build-A-Switch allows you to mix and match options to create the switch you need—simply select desired option from each category. All available options are shown on page D-68 and D-69. When building a part number, some ordering format boxes may not be filled. Dashes, hyphens or spaces in the part number are not significant, and are shown for clarity only. Complete HOW TO ORDER information is at the end of this section, page D-69. Hardware and accessories are available separately, see catalog section H.



D



SWITCH FUNCTION



Part No. Shown: KS12R22CQD

KS11 TERMS. 1, 3
KS12 TERMS. 1, 3, 4

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

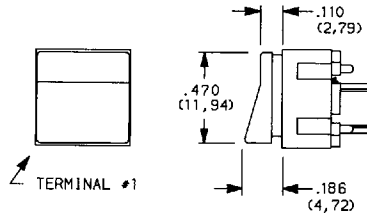
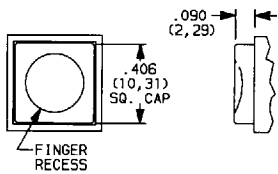
MOM. = MOMENTARY



R2 (STD.)

R3

CAP COLORS



'R3' not available with 'KS12' switch function.

Select cap color from chart. Place option code in appropriate box of ordering format. Cap finish: matte. Custom actuator markings and legends available, consult factory.

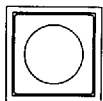
OPTION CODE	ACTUATOR COLOR
1	WHITE
2	BLACK (std.)
3	RED
4	ORANGE
5	YELLOW
6	GREEN
7	BLUE
8	BROWN
9	GRAY

LED SUPPORT

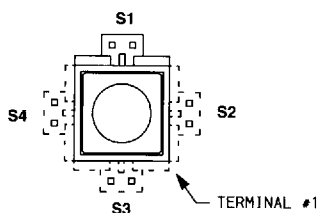
(NONE) (STD.)

S1-S2-S3-S4

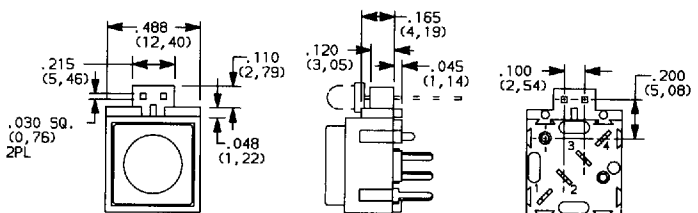
TYPICAL INSTALLATION



No LED support.



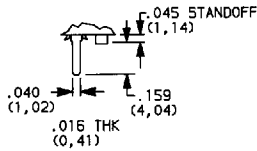
Position of factory installed LED support.



LED support shown in position S1. LED not supplied. LED support also available separately, see catalog section H.

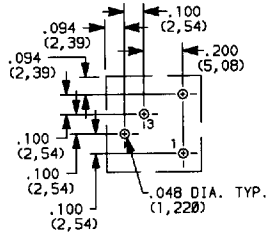
TERMINATIONS

C (STD.)

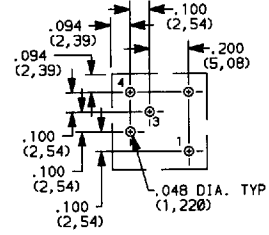


Q contact material std.

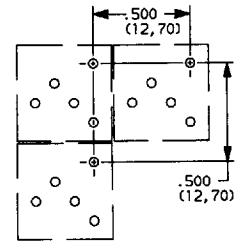
PC MOUNTING



KS11



KS12



MULTIPLE SWITCH SPACING

CONTACT MATERIAL

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

- 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.

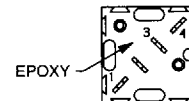
Q contact material standard.

SEAL

D (STD.)

NO SEAL

E



HOW TO ORDER

All available KS SERIES PUSHBUTTON KEY SWITCH options are listed on page D-67, and are described on pages D-68 and D-69. When selecting options and building a part number, some ordering format boxes may not be filled. Dashes, hyphens or spaces in the part number are not significant, and are shown for clarity only.

LED support is available separately, see catalog section H.

SPECIFICATIONS

CONTACT RATING: 25 mA max. @ 50 V AC or DC max.
(Q contact material).

MECHANICAL LIFE: 100,000 actuations.

CONTACT RESISTANCE: Below 50 milliohms typ. initial
@ 2-4 V DC, 100 mA.

INSULATION RESISTANCE: 10⁹ ohms min.

DIELECTRIC STRENGTH: 1000 V RMS 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 94 V-0).

ACTUATOR: ABS or polycarbonate—ABS blend, matte finish,
black standard.

MOVABLE CONTACT: Beryllium copper or stainless steel, silver
plated (Q contact material).

STATIONARY CONTACTS & TERMINALS: Copper alloy, silver
plated (Q contact material).

TERMINAL SEAL: Epoxy.

NOTE: Specifications and materials listed above are general specifications. Specifications available for specific and custom switches, consult factory.