

KSS Miniature Side-Actuated Tact Switch for SMT



KSS

Designed for SMT use, the KSS is a normally open, momentary, single pole-single throw miniature switch.

The minimized height of the KSS authorizes its usage in the most compact applications: $h = 1.6 \text{ mm}$ (0.063)

The KSS miniature size requires only a minimum space on the PCB.

Three versions are available:

1. Standard version (KSS2xxG) for a layout surface of:

$$L \times w = 7.0 \times 4.4 \text{ mm} \\ (0.276 \times 0.173)$$

2. Smaller actuator (KSS1xxG) for an even smaller layout:

$$L \times w = 7.0 \times 4.0 \text{ mm} \\ (0.276 \times 0.15)$$

3. Larger actuator (KSS3xxG) for a layout surface of:

$$L \times W = 7.0 \times 4.4 \text{ mm} \\ (0.276 \times 0.173)$$

The enlarged soldering joint surface allows the KSS to resist to 40 N (8.8 lbs.) forces parallel to the PCB.

The KSS SMT Tact-Switch with side actuation is mainly dedicated to applications with a high density of components

- Portable phones
- Cordless phones
- Pagers
- Remote control and pocket emitters

KST Rubber Tact Switch for SMT



KST

The KST is a miniature tactswitch designed for all types of applications requiring surface mounting process and long travel actuation.

The rubber actuator used for the KST provides a tactile effect similar to the feeling given by the conductive rubber products and a travel which is more than twice the standard tact switch travel of the KSA or KSC product line.

The KST is a single pole, normally open contact.

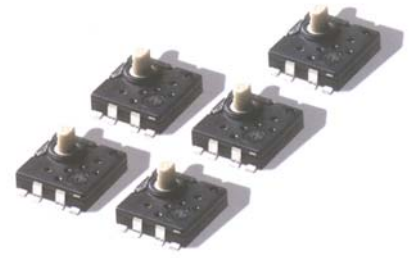
Main Features

- Rubber actuator
- Silver contact material
- First 0.3 mm travel can be used to balance tolerances in the application assembly
- 1.3 mm travel to make contact
- J or G type terminals
- Tin plated terminals
- Operating force available: 2N & 3.5N
- Delivered in thermoformed tape and reel of 1000 pieces
- Compatible with the major automatic pick and place machines
- Flux tight contact
- Not washable, sealed - IP 53

Applications

- Front panel
- Car dashboard
- Telephone set
- Instrumentation

TPA - Navigation Tact Switch for SMT



TPA

The TPA is a sub-miniature navigation tact switch featuring up to five single pole normally open contacts.

Actuating the shaft in the up, down, right or left direction individually closes four momentary contacts, which provide the scanning function.

The fifth contact is a push-to-select contact, which can be actuated in any position of the shaft.

The metal dome contacts provide a positive tactile effect in any direction.

Main Applications

The TPA is designed for electronic devices requiring scanning function on LCD display through scrolling menu or icon-based user interface such as: Cellular phones, PDA, hand-held computers, digital cameras, GPS navigation systems, data acquisition terminals, automotive electronics, home entertainment systems.

Other applications: Multidirectional joystick for motorized systems such as instrumentation, medical equipment and remote video systems.

Main Features

- Normally open momentary contacts :
 - Scanning:
 - single pole 4 throws (4 directions)
 - single pole 2 throws (2 directions)
 - Select: single pole, single throw
- Sub-miniature overall dimensions
- Push down to select possible in any position.
- Distinctive tactile feel for scanning and select functions (force and travel values are taken at 4.5mm above PCB).
- Scanning in diagonal closes two contacts simultaneously (8 scanning positions).
- Same electrical characteristics as KSR /KSS Series
- Silver or gold plated terminals
- SMT Component-IR reflow soldering process
- Non washable - Sealed IP 50 Contacts protected against flux migration