

KSU Series Micro Mini Surface Mount Detect Switches



Features/Benefits

- New multi contact construction
- Metal actuator
- Low actuating force
- Gold contacts
- Compatible with pick and place machines
- RoHS compliant and compatible

Typical Applications

- Mobile phones and other handheld devices
- Portable medical devices
- Audio devices
- Automotive
- Alarm devices
- Payment terminals

Specifications

FUNCTION: Momentary action.

CONTACT TYPE: SPST Normally open.

TERMINALS: Gullwing type for SMT.

Mechanical

ACTUATING FORCE:

W version: 1,1 N $\pm$ 0,8 N

ST version: 0,7 N $\pm$ 0,5 N

TRAVEL TO MAKE:

W version: 0,65 mm - 0,45/+0,25 mm

ST version: 0,45 mm - 0,25/+0,1 mm

MAXIMUM FORCE AT MAXIMUM TRAVEL: 1,8 N

OPERATING LIFE: 100,000 cycles

Packaging

Switches are delivered on continuous tape, in reels of 1,000 pieces

Electrical

MAXIMUM POWER: 0.2 VA

MAXIMUM VOLTAGE: 32 VDC

MINIMUM VOLTAGE: 20 mV

MAXIMUM CURRENT: 0.01 A

MINIMUM CURRENT: 0.01 mA

CONTACT RESISTANCE: $\leq 100 \text{ m}\Omega$

INSULATION RESISTANCE: (100 VDC) $10^9 \Omega$

DIELECTRIC STRENGTH: $\geq 250 \text{ Vrms}$

BOUNCE TIME: $\leq 3 \text{ ms}$

Environmental

OPERATING TEMPERATURE: -40°C to $+125^\circ\text{C}$

STORAGE TEMPERATURE: -55°C to $+125^\circ\text{C}$

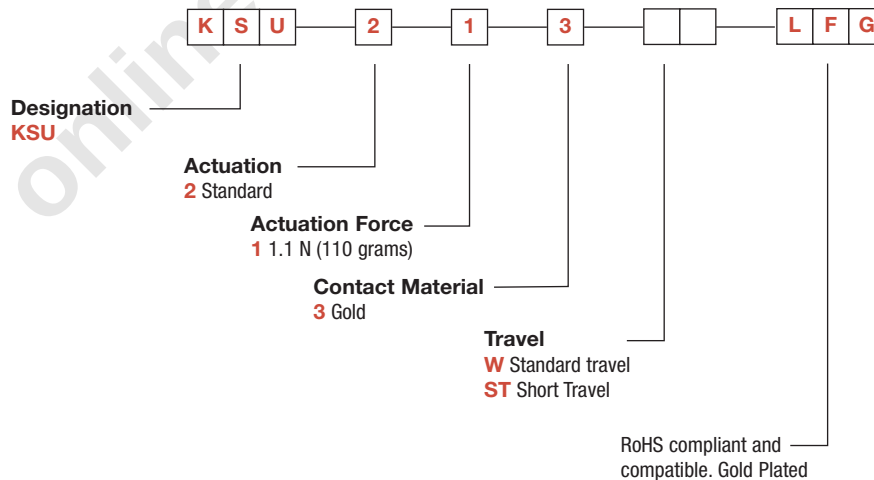
Process

SOLDERING: Compatible with lead free reflow process

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

Build-A-Switch

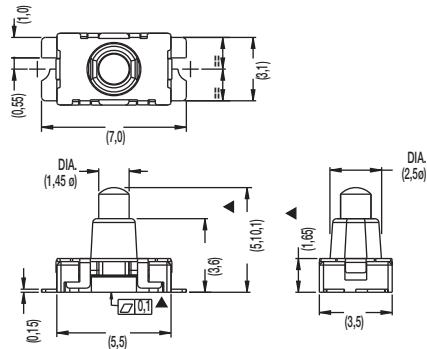
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on page E-20. For additional options not shown in catalog, consult our Customer Service Center.



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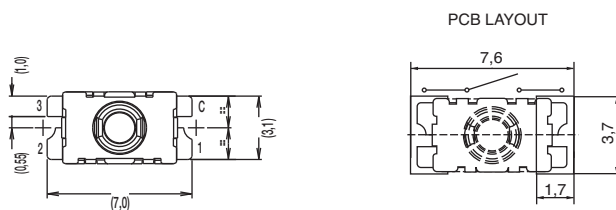
onlinecomponents.com
THE ONLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS

KSU

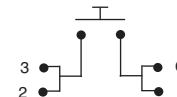


KSU213W
SPST

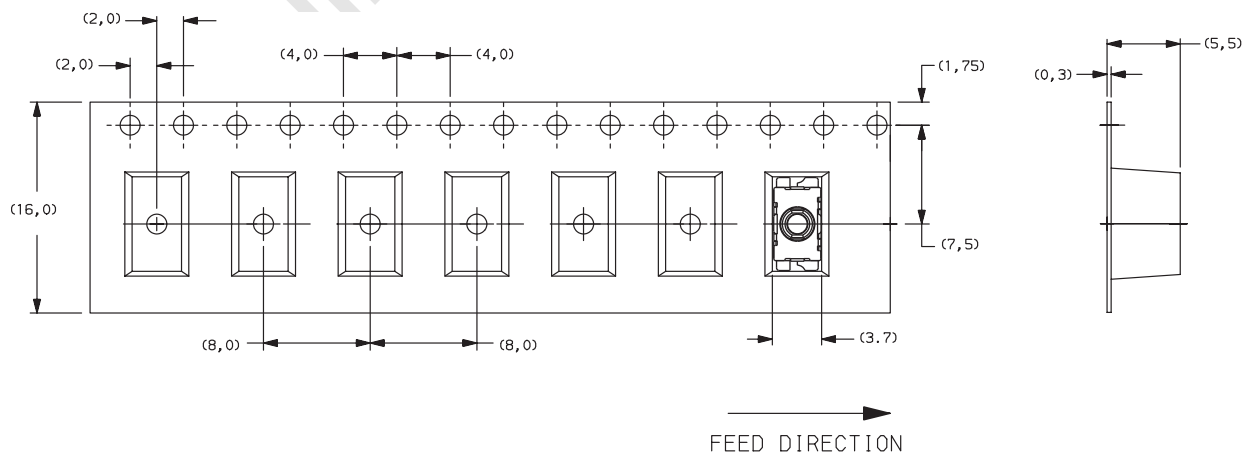
W GULLWING



PCB LAYOUT



TAPE & REEL



FEED DIRECTION



First Angle
Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

C&K



E

Detect