

# SDS Series Side Actuated Detect Switches

## Features/Benefits

- Low profile package sits just 2mm off PCB
- 2mm overtravel ideal for detector applications
- Low actuation force (75 grams max.)
- Pick & place compatible, available in tape & reel packaging
- RoHS compliant and compatible



## Typical Applications

- Medical devices
- Consumer electronic devices
- PCB lock cam detect
- Smart card detect
- ATCA and MicroTCA



Advanced TCA®

μTCA®

## Specifications

CONTACT RATING: 100 mA @ 12 VDC.  
 MECHANICAL & ELECTRICAL LIFE: 50,000 cycles.  
 CONTACT RESISTANCE: 100 m Ω max. initial.  
 INSULATION RESISTANCE: 100 M Ω min. @ 100 VDC.  
 OPERATING TEMPERATURE: -40°C to +85°C.  
 SOLDERABILITY: IR compatible, no wash. 260°C max.  
 PACKAGING: Bulk or tape & reel (3000 per reel).

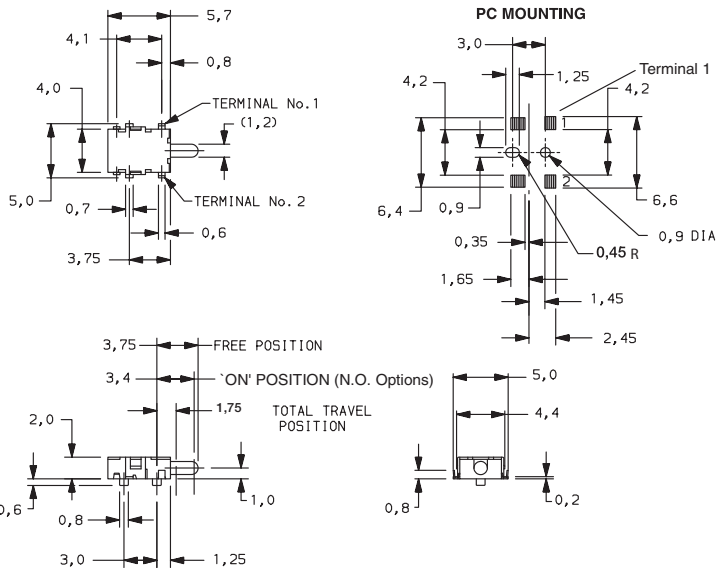
## Materials

BASE: Glass filled LCP (UL 94V-0).  
 ACTUATOR: Glass Filled Polyamide (UL94V-0).  
 SURFACE PLATE: Nickel silver w/silver plate.  
 MOVABLE CONTACT: Phosphor bronze, see table for plating.  
 TERMINALS: Phosphor bronze, see table for plating.

**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

Complete part numbers for SDS Series Switches are shown below.

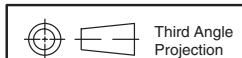
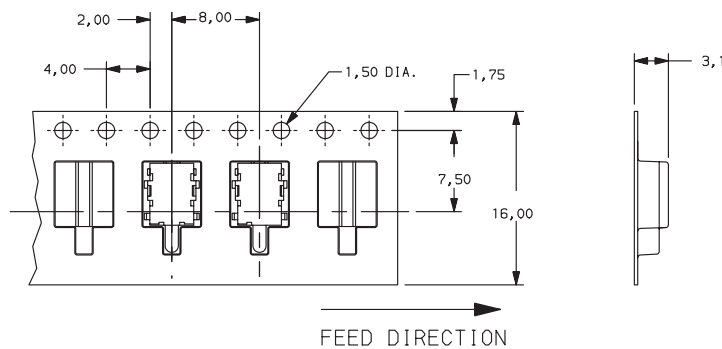


| PART NUMBER | HOUSING COLOR | PACKAGING   | SCHEMATIC | Contact Plating | Terminal Plating |
|-------------|---------------|-------------|-----------|-----------------|------------------|
| SDS001      | Black         | Bulk        | N.O. 2 1  | Silver Clad     | Silver Plate     |
| SDS001R     |               | Tape & Reel |           |                 |                  |
| SDS002      | White         | Bulk        | N.C. 2 1  | Silver Clad     | Silver Plate     |
| SDS002R     |               | Tape & Reel |           |                 |                  |
| SDS004      | Black         | Bulk        | N.O. 2 1  | Gold Flash      | Gold Flash       |
| SDS004R     |               | Tape & Reel |           |                 |                  |
| SDS005      | White         | Bulk        | N.C. 2 1  | Gold Flash      | Gold Flash       |
| SDS005R     |               | Tape & Reel |           |                 |                  |



SDS001  
SPST

## TAPE & REEL



Dimensions are shown: mm  
 Specifications and dimensions subject to change

