

# 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



## Specifications

CONTACT RATING: 100 mA @ 12 VDC.  
 MECHANICAL & ELECTRICAL LIFE: 50,000 cycles.  
 CONTACT RESISTANCE: 100 m Ω max. initial.  
 INSULATION RESISTANCE: 10 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).

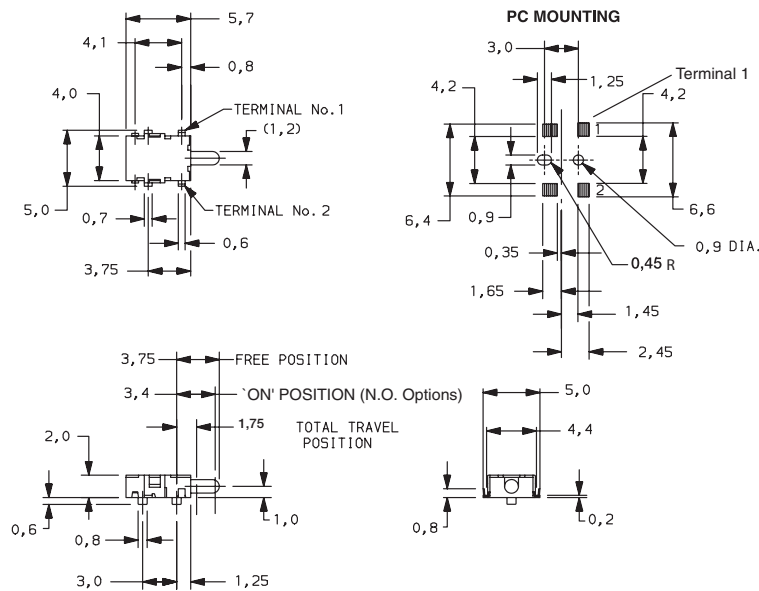
## Materials

BASE: Glass filled LCP (UL 94V-0).  
 ACTUATOR: Glass Filled LCP (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.

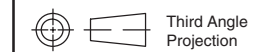
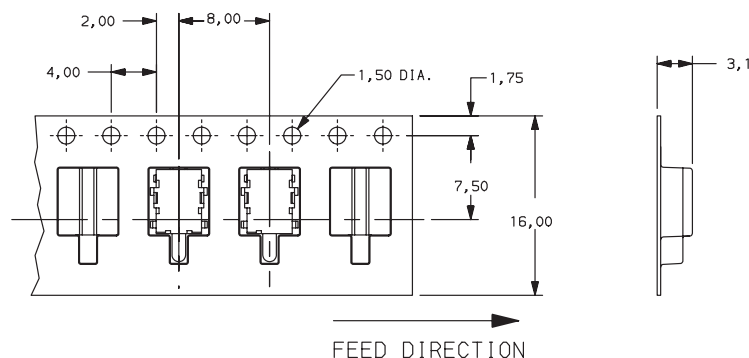


PART NUMBER	HOUSING COLOR	PACKAGING	SCHEMATIC	Contact Plating	Terminal Plating
SDS001	Black	Bulk	N.O. 2 1	Silver Clad	Silver Plate
SDS001R		Tape & Reel			
SDS002	White	Bulk	N.C. 2 1	Silver Clad	Silver Plate
SDS002R		Tape & Reel			
SDS004	Black	Bulk	N.O. 2 1	Gold Flash	Gold Flash
SDS004R		Tape & Reel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



SDS001  
SPST

## TAPE & REEL



Third Angle Projection  
 Dimensions are shown: mm  
 Specifications and dimensions subject to change