

# 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).

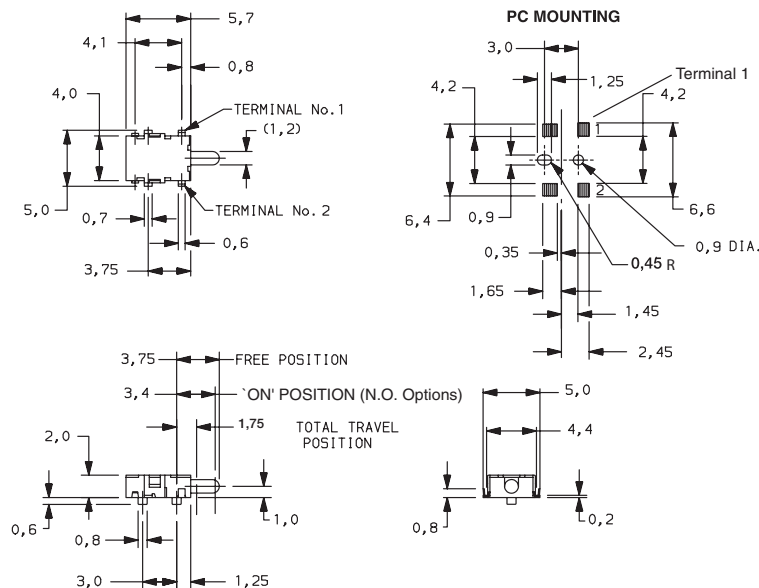
## Materials

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.

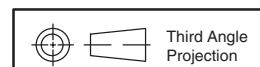
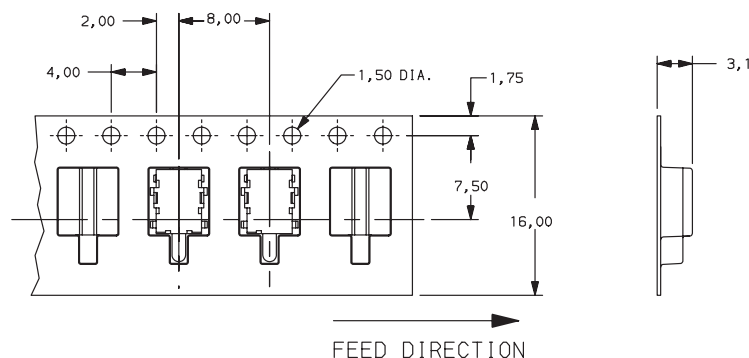


PART NUMBER	HOUSING COLOR	PACKAGING	SCHEMATIC	Contact Plating	Terminal Plating
SDS001	Black	Bulk		Silver Clad	Silver Plate
SDS001R		Tape & Reel			
SDS002	White	Bulk		Gold Flash	Gold Flash
SDS002R		Tape & Reel			
SDS004	Black	Bulk		Gold Flash	Gold Flash
SDS004R		Tape & Reel			
SDS005	White	Bulk		N.C.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



SDS001  
SPST

## TAPE & REEL



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