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: –40ºC to +85ºC.

SOLDERABILITY: IR compatible, no wash. 260ºC max.

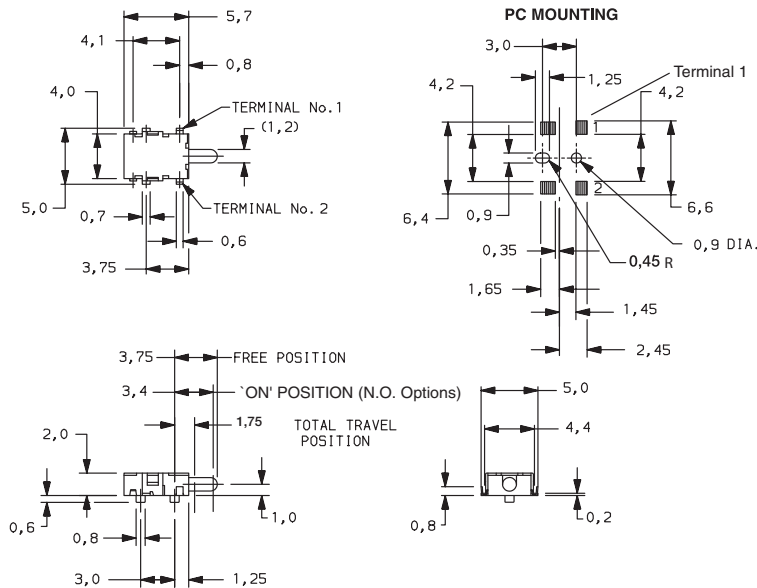PACKAGING: Bulk or tape & reel (3000 per reel).

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

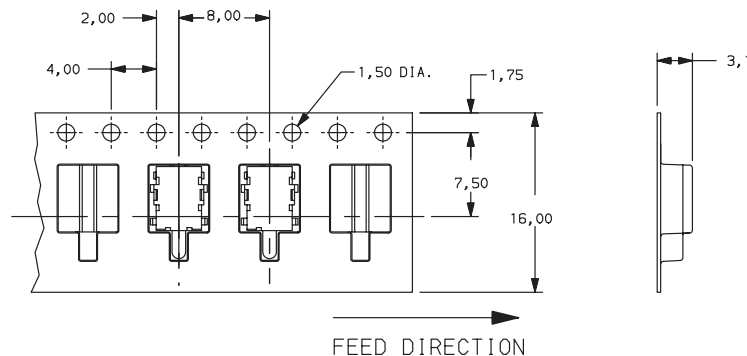Complete part numbers for SDS Series Switches are shown below.

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

SDS001
SPST

TAPE & REEL

FEED DIRECTION

Third Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ck-components.com

E Detect