

# HDP Series Micro Mini Side Actuated Surface Mount Detect Switches



## Features/Benefits

- Low profile
- Side actuation
- Right and left options available
- Low actuation force
- Lead free and halogen free

## Typical Applications

- Consumer electronics
- Computers
- Medical devices
- Mobile Communications
- ATCA and MicroTCA devices

## Specifications

CONTACT RATING: 1 mA 5 VDC

MECHANICAL AND ELECTRICAL LIFE: 100,000 cycles min.

CONTACT RESISTANCE: < 500 m  $\Omega$  initial.

INSULATION RESISTANCE: > 100 M  $\Omega$

OPERATING TEMPERATURE: -20°C to + 70°C

STORAGE TEMPERATURE: -30°C to + 80°C

PACKAGING: tape & reel; 2,500 per reel.

TRAVEL:

Pre-travel	0.15 mm min.
“ON” starting position	2.96 +/- 0.25 mm
Total Travel Position:	1.3 mm
Total Travel:	1.9 mm

## Materials

BASE: PA 46 (UL94HB) - halogen free

ACTUATOR: PA 46 (UL94HB) - halogen free

HDP001R - black body/actuator

HDP001L - grey body/actuator

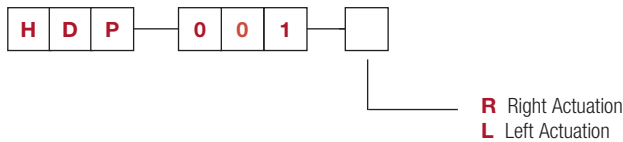
MOVABLE CONTACTS: Stainless Steel, Silver over nickel plate.

FIXED CONTACTS/TERMINALS: Phosphor Bronze, Silver plate.

**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

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



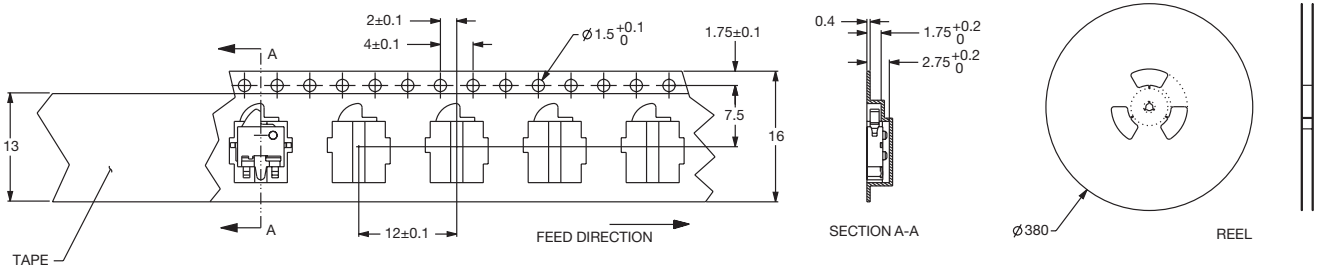
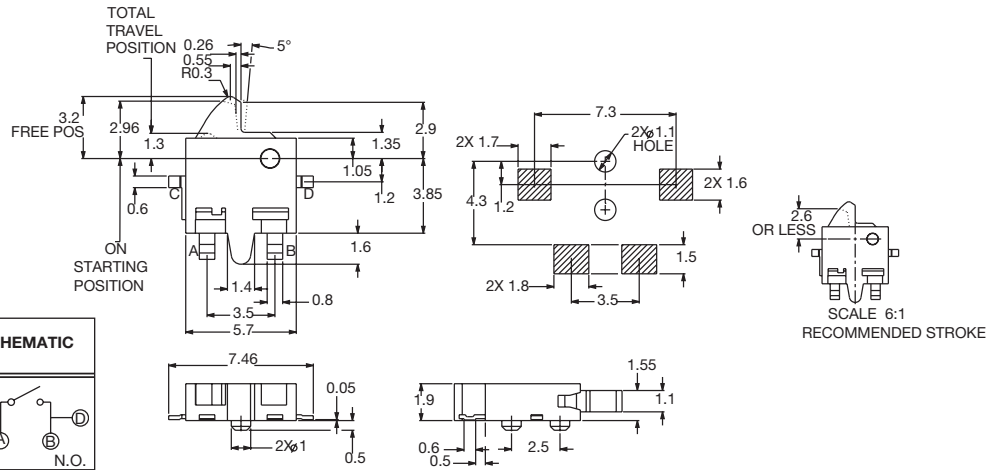
Detect

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Complete part numbers for HDP Series are shown below.



PART NUMBER	PACKAGING	SCHEMATIC
<b>HDP001R</b> Black body/ actuator	TAPE & REEL	



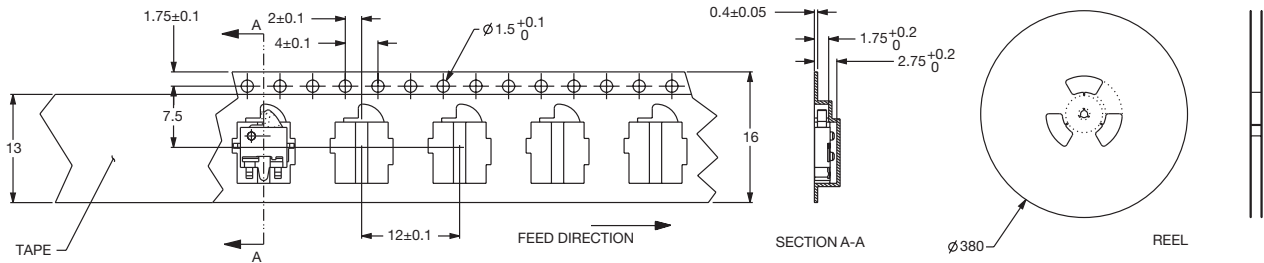
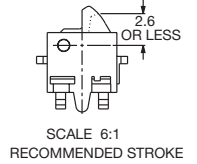
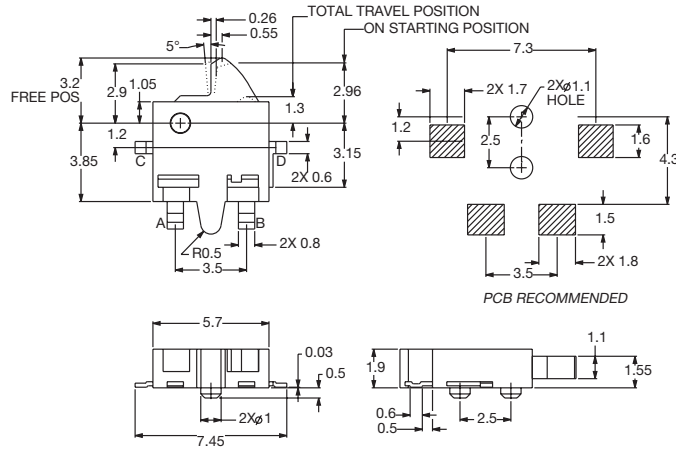
Detect

# HDP Series

## Micro Mini Side Actuated Surface Mount Detect Switches



PART NUMBER	PACKAGING	SCHEMATIC
<b>HDP001L</b>	TAPE & REEL	
Grey body/ actuator		



Detect