

# HDT Series Micro Mini Surface Mount Detect Switches

## Features/Benefits

- Low profile package sits just 3,35 mm off PCB
- Design allows top or side actuation
- Low actuation force, 35 grams max.
- Pick and place compatible, available in tape & reel packaging
- RoHS compliant and compatible

## Typical Applications

- Consumer electronics
- Computers
- Medical devices



## Specifications

CONTACT RATING: 1 mA 5 VDC  
 MECHANICAL AND ELECTRICAL LIFE: 100,000 cycles min.  
 CONTACT RESISTANCE: 500 m Ω max. initial.  
 INSULATION RESISTANCE: 100 M Ω min. between adjacent contacts.  
 OPERATING TEMPERATURE: -40°C to + 85°C  
 STORAGE TEMPERATURE: -40°C to + 85°C  
 PACKAGING: Tape & reel, 2,450 per reel.  
 TRAVEL:  
 Pre-travel .30 mm  
 Overtravel: .75 mm  
 Total: 1.05 mm

## Materials

BASE: PA 46 (UL94V-0)  
 COVER: PA 46 (UL94V-0)  
 ACTUATOR: PA 46 (UL94V-0)  
 MOVABLE BLADE: Stainless Steel, Ag over Ni plating.  
 TERMINALS: Phosphor Bronze, Ag over Ni plating.

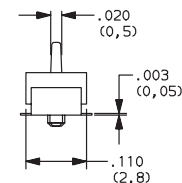
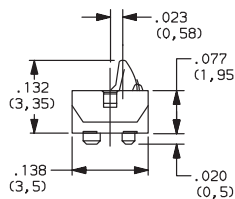
**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

## Build-A-Switch

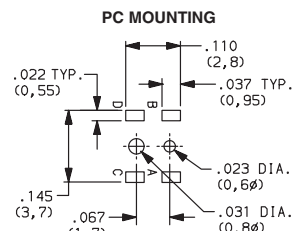
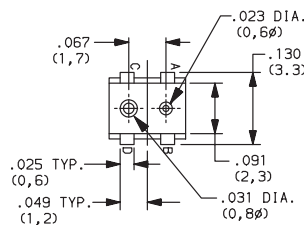
Complete part numbers for HDT Series are shown below.

PART NUMBER	PACKAGING	SCHEMATIC
<b>HDT0001</b>	TAPE & REEL	

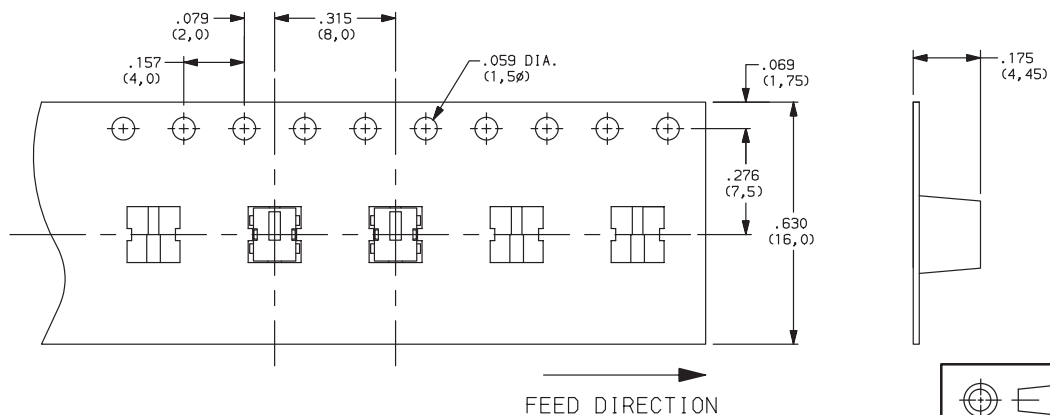
**NOTE:** Available with no locating posts by adding "NP" (HDT0001NP) to Part Number.



HDT0001



## TAPE & REEL



Dimensions are shown: Inches (mm)  
 Specifications and dimensions subject to change



Detect