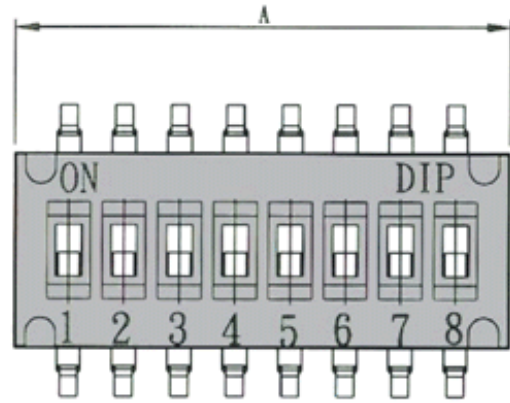
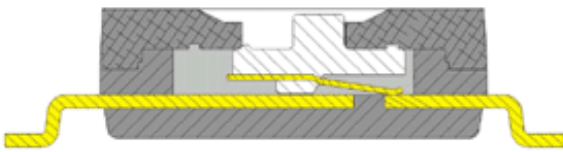


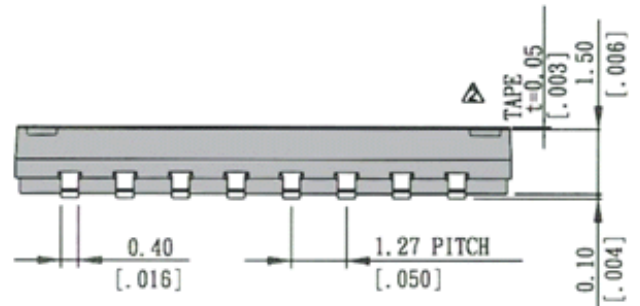
## DIMENSIONS



## CONTACT SYSTEM OF NHDS SERIES

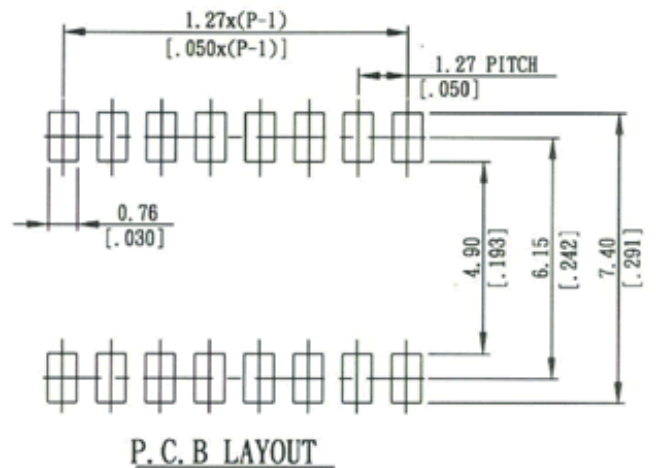


- △Half Pitch (1.27mm) terminal.
- △Gold-plated electrical contacts are the standard specification.

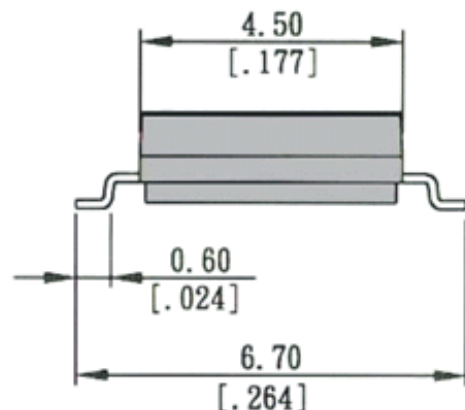


## MATERIALS

- △BASE: UL94V-0 NYLON Thermoplastic.  
Color: Black.
- △COVER: UL94V-0 NYLON Thermoplastic.  
Color: Black.
- △ACTUATORS: UL94V-0 NYLON, LCP Thermoplastic.  
Color: White.
- △CONTACT: Alloy Copper.
- △CONTACT PLATING: Gold plating over nickel.
- △TERMINAL PLATING: Gold.
- △TAPE: Katpon.



## TERMINAL TYPE



General Tolerance:  $\pm 0.2\text{mm}$  ( $\pm 0.008"$ )

## SPECIFICATION

### MECHANICAL

Mechanical Life: 1000 operations cycles per switch.

Operation Force: 500gf

Stroke: 0.6mm

Operation Temp: -40°C to 85°C

Storage Temp: -40°C to +85°C

Vibration Test: MIL-STD-202F METHOD 201A.

Frequency: 10-55-10Hz/1 min.

Directions: X,Y,Z, three mutually perpendicular directions.

Time: 2 hours each direction.

High reliability.

Shock Test: MIL-STD-202F METHOD 213B.

CONDITION A.

GRAVITY: 50G (peak value), 11 m/sec.

Direction and times: 6 sides and 3 times in each direction.

High reliability.

### ELECTRICAL

Electrical Life: 1000 operation cycles per switch

24VDC, 25mA

Non-Switching Rating: 100mA, 50VDC.

Switching Rating: 25mA, 24VDC.

Contact Resistance: 100mΩ max.at initial.

Insulation Resistance: 100MΩ min (at 50VDC)

Dielectric Strength: 300VAC/1 minute.

Capacitance: 5pF max.

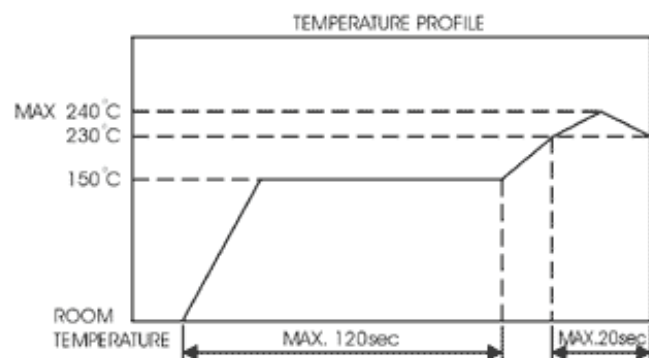
Circuit: Single pole single throw.

## SOLDERING AND CLEANING PROCESSES

Soldering: vapor phase & IR-reflow soldering can be applied.

Cleaning: Freon TE, TF or trichloromethane by ultrasonic wave washing for 2 minutes give excellent results.

△Reflow Temperature Profile.(reference)



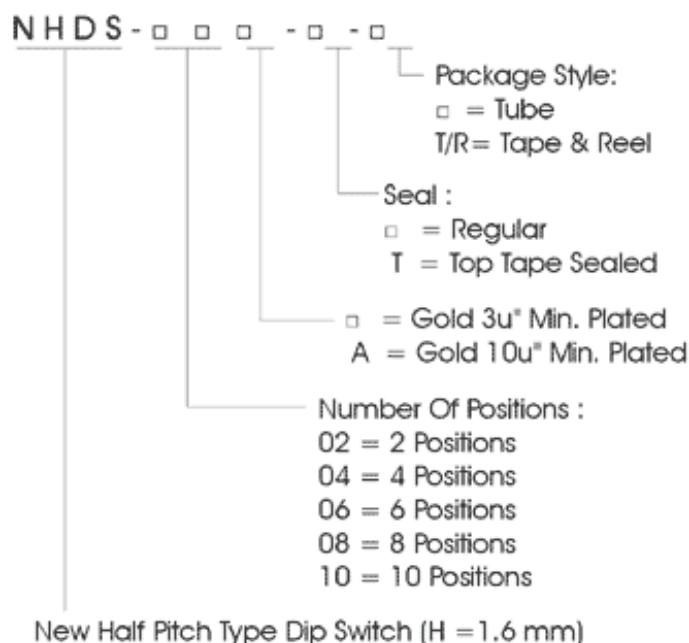
△ Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.

△ Do not clean the switch body except with top tape sealed type, which can only spray of cleaning method from top s/w.

## MODELS

NHDS-02 (A)	2	3.77 (.148)
NHDS-04 (A)	4	6.31 (.248)
NHDS-06 (A)	6	8.85(.348)
NHDS-08 (A)	8	11.39(.448)
NHDS-10 (A)	10	13.93(.548)
PROD. NO	NO.OF Position	DIM. A

## HOW TO ORDER



Example: NHDS-08 is slide type half pitch DIP switch, Recessed Actuator.

The amount of actuators, contacts, and terminals are based on position number.

## PACKING

All DIP switches are shipped in standard IC tubes or Tape & Reel Package with all poles in the "ON" position.

**Precaution :** For quality assurance, please operate actuators carefully to avoid any damage.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.  
\*MORE UPDATE INFORMATION,PLEASE CONSULT DIPTRONICS.