



Quality & Service

ISO9001

ISO14001

Company

Products

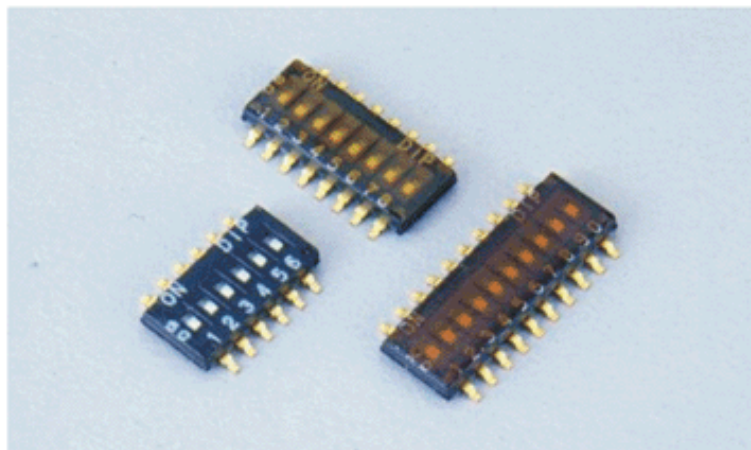
Activities

E-mail

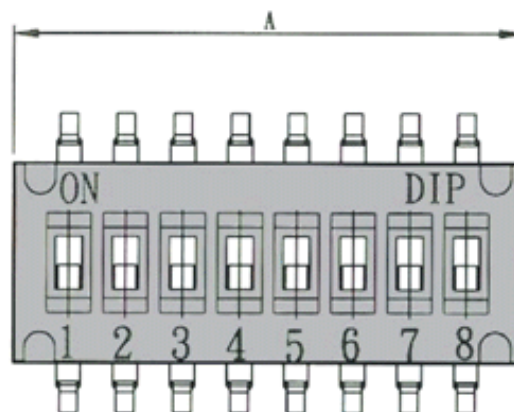
DIPTRONICS MANUFACTURING INC.

[DIP SWITCH](#)

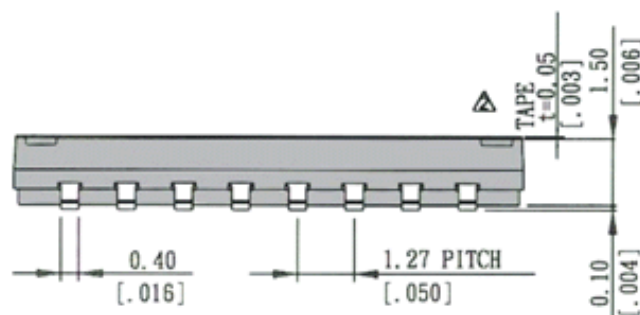
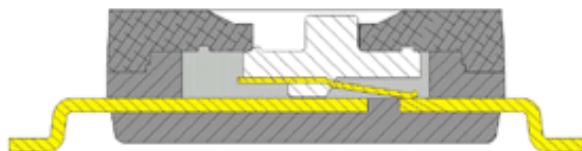
[TACT SWITCH](#)



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.

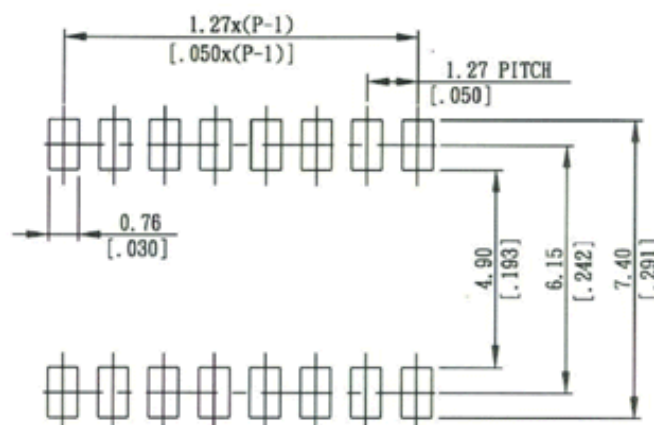
△ACTUATORS: UL94V-0 NYLON, LCP Thermoplastic.
Color: White.

△CONTACT: Alloy Copper.

△CONTACT PLATING: Gold plating over nickel.

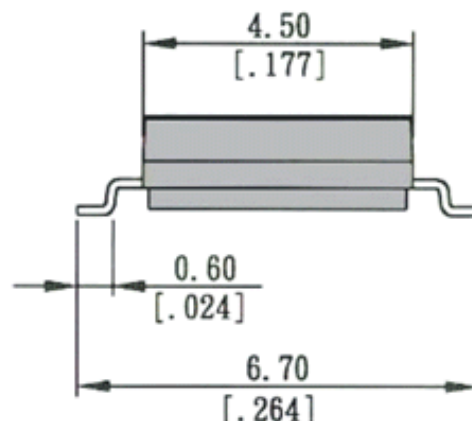
△TERMINAL PLATING: Gold.

△TAPE: Katpon.



P. C. B LAYOUT

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 $+85^{\circ}\text{C}$

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: $100\text{m}\Omega$ max.at initial.

Insulation Resistance: $100\text{M}\Omega$ min (at 500VDC)

Dielectric Strength: 300VAC/1 minute.

Capacitance: 5pF max.

Circuit: Single pole single throw.

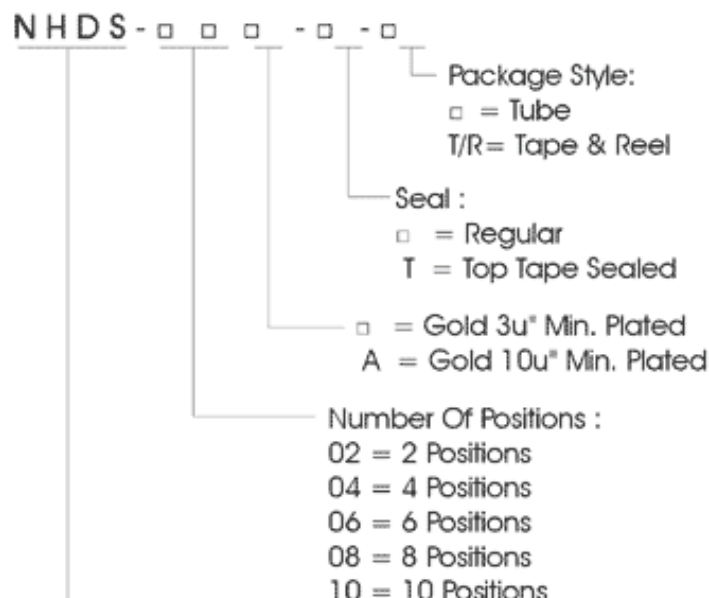
SOLDERING AND CLEANING PROCESSES

Soldering: vapor phase & IR-reflow soldering can be

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

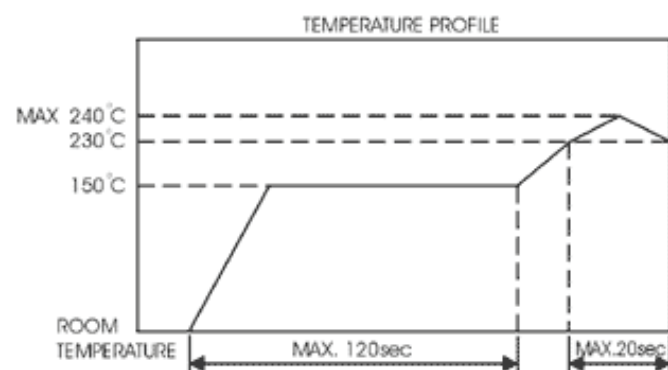


PRODUCTS

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.

08 = 8 Positions
10 = 10 Positions

New Half Pitch Type Dip Switch (H = 1.6 mm)

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.