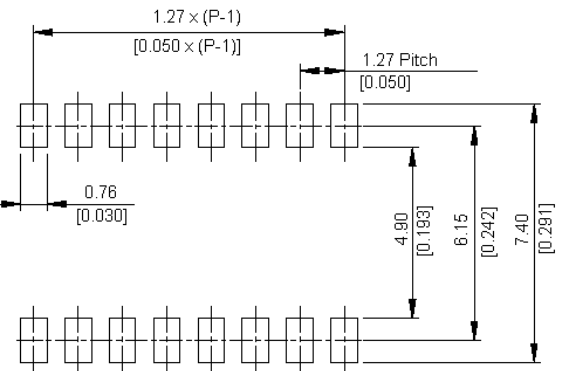
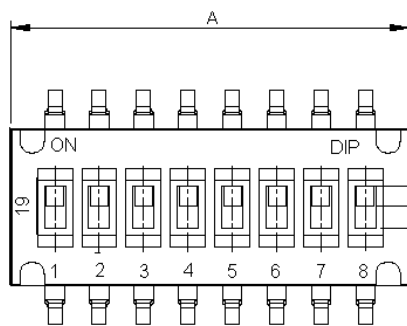
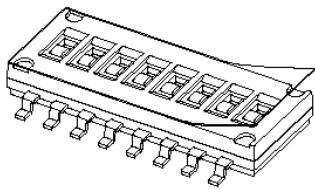
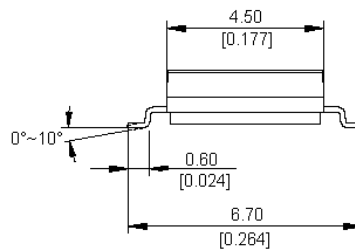
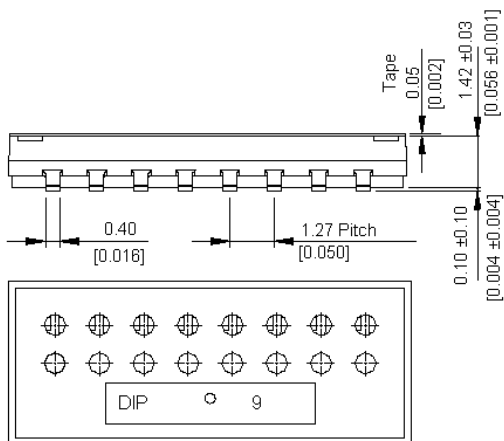


# MCNHDS Series

## DIL Switches



**PCB Layout**



General Tolerances Maximum : ±0.2mm  
Terminal Length 6.7mm

Dimensions : Millimetres (Inches)

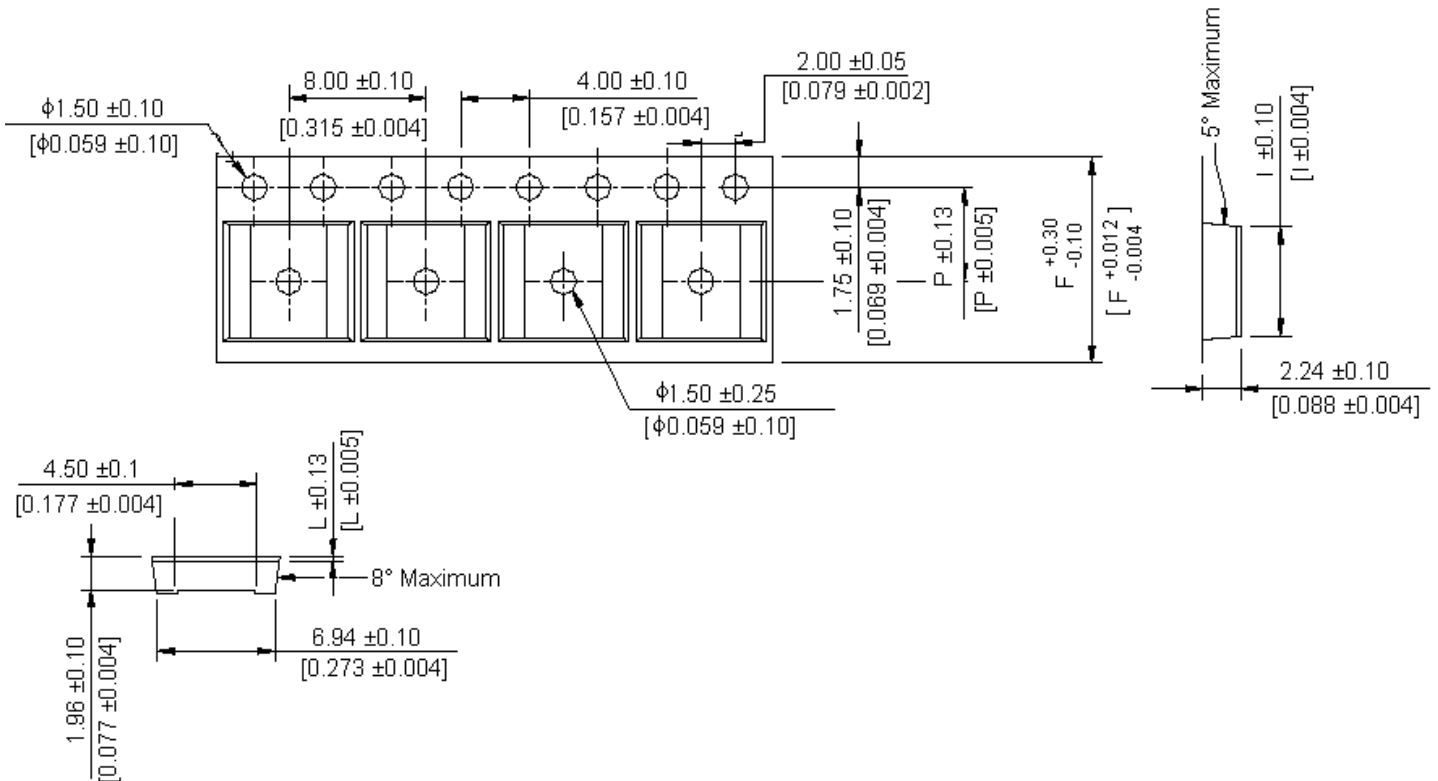


# MCNHDS Series

## DIL Switches

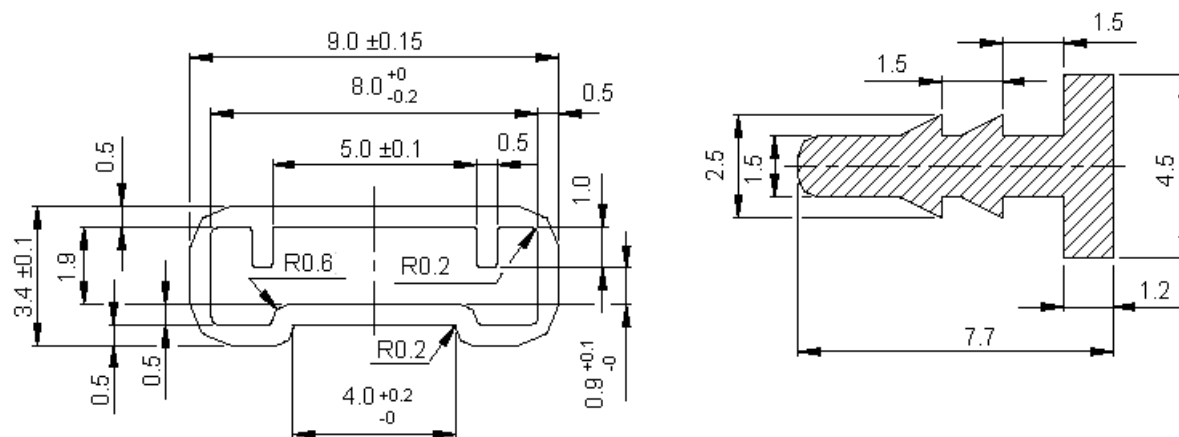


### NHDS Carrier



General Tolerances Maximum :  $\pm 0.1\text{mm}$  Dimensions : Millimetres (Inches)

### NHDS Tube



General Tolerances Maximum :  $\pm 0.1\text{mm}$

Dimensions : Millimetres



### Specifications:

#### Mechanical:

Mechanical Life	: 1000 cycles.
Operation Force	: 500gf.
Stroke	: 0.6mm
Operation Temperature	: -40°C to +85°C.
Storage Temperature	: -40°C to +85°C.

#### Electrical:

Electrical Life	: 1000 cycles.
Non-Switching Rating	: 100mA, 50V dc.
Switching Rating	: 25mA, 24V dc.
Maximum Contact Resistance	: 100mΩ at initial.
Minimum Insulation Resistance at 500V dc	: 100MΩ.
Dielectric Strength	: 300V ac per minute.
Circuit	: SPST.

#### Materials:

Base	: Nylon thermoplastic Colour : Black.
Cover	: Nylon thermoplastic Colour : Black.
Actuators	: LCP thermoplastic Colour : White.
Contact	: Alloy copper with gold plated.
Terminal	: Brass with gold plated.
Tape	: KAPTON.

### Soldering And Cleaning Process:

#### Soldering:

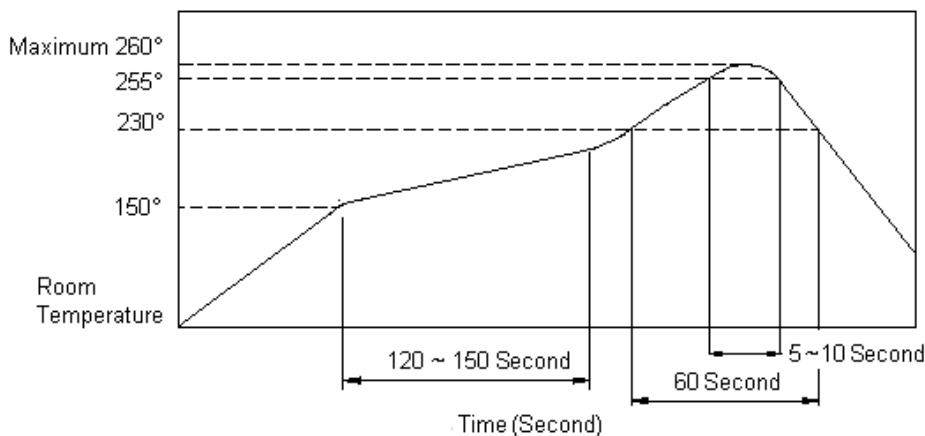
Vapour phase and reflow soldering can be applied.

#### Cleaning:

1. Only tape sealed types apply to wash process.
2. Do not remove the tape before wash process.
3. After soldering process, do not continue the wash process immediately. Please wait for at least 3 minutes.
4. Apply alcoholic solvents as cleaning agent do not use other solvents or water.
5. Ultrasonic cleaning is not recommended.
6. The cleaning process per stage is maximum 1 minute and the whole cleaning time are not to exceed 3 minutes.
7. Do not impose any external force on switch while washing.

Any flux enters the switch may fail the conductivity.

#### Reflow Temperature Profile: (Reference)



# MCNHDS Series

## DIL Switches

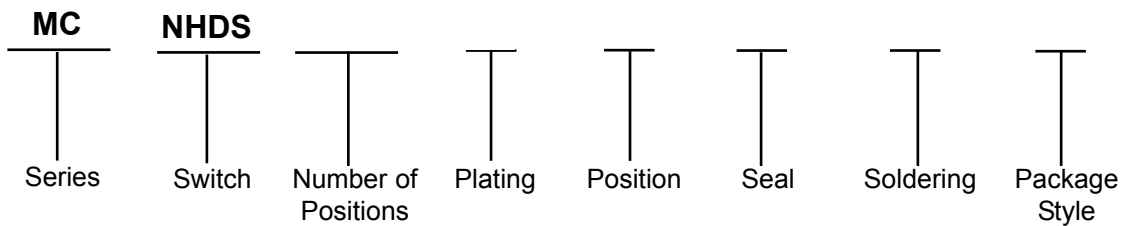


### Specification Table

Number of Positions	Dimension A	Dimension F	Dimension I	Dimension L	Dimension P	Part Number
2	3.77 (0.148)	12.0 (0.472)	4.200 (0.165)	0.229 (0.009)	5.50 (0.217)	MCNHDS-02-T
6	8.85 (0.348)	24.0 (0.945)	9.20 (0.362)	0.305 (0.012)	11.50 (0.453)	MCNHDS-06-T
10	13.93 (0.548)		14.40 (0.567)			MCNHDS-10-T

Dimensions : Millimetres (Inches)

### Part Number Explanation:



**Switch** : NHDS (Half Pitch Dip Switch (Terminal Length 6.7mm)).

**Number of Positions** : 02 = 2 Positions.

06 = 6 Positions.

10 = 10 Positions.

**Plating** :  = Gold 3μ" Minimum Plated.

**Position** :  = In ON Position.

**Seal** :  = Regular.

**Soldering** : V = Lead Free Solderable.

**Package Style** : T = Tube.

### Notes:

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