

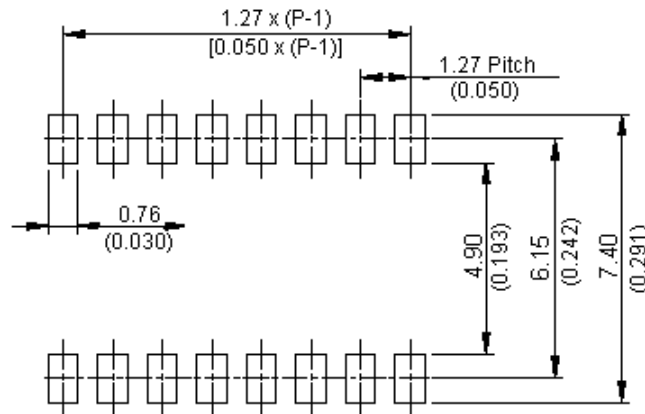
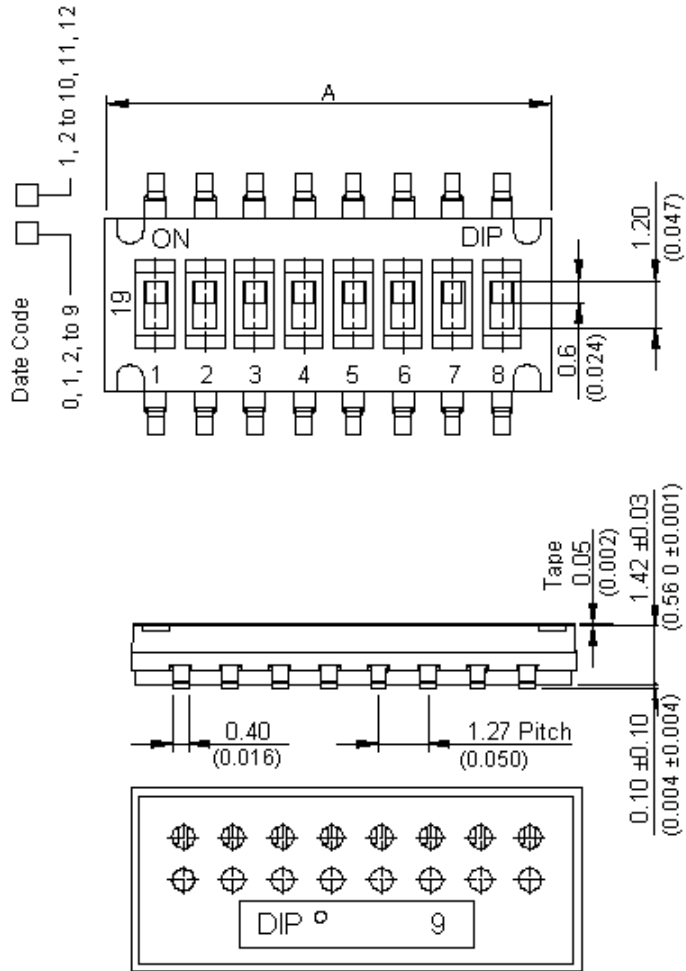


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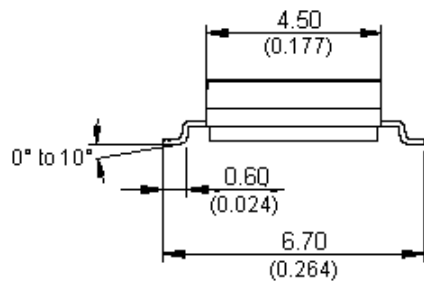
MCNHDS-Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Kiran	09/04/09	Veena	09/04/09	Farnell	23/04/09



PCB Layout



Dimensions : Millimetres (Inches)

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DRAWN BY:	DATE:
Kiran	09/04/09
CHECKED BY:	DATE:
Veena	09/04/09
APPROVED BY:	DATE:
Farnell	23/04/09

DRAWING TITLE:

NHDS Series

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002106	78049_DWG	A
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 1 OF 4	



PART NO.

MCNHDS-Series

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Specifications:

Mechanical life : 1000 cycles.
 Operation force : 500gf.
 Stroke : 0.6mm.
 Operating 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 : 100MΩ at 500V dc.
 Dielectric strength : 300V ac per 1 minute.
 Circuit : SPST.

Materials

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

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APPROVED BY:

Farnell

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09/04/09

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09/04/09

DATE:

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NHDS Series

SIZE
A

DWG NO.

M10002106

ELECTRONIC FILE
78049_DWG

REV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 2 OF 4



PART NO.

MCNHDS-Series

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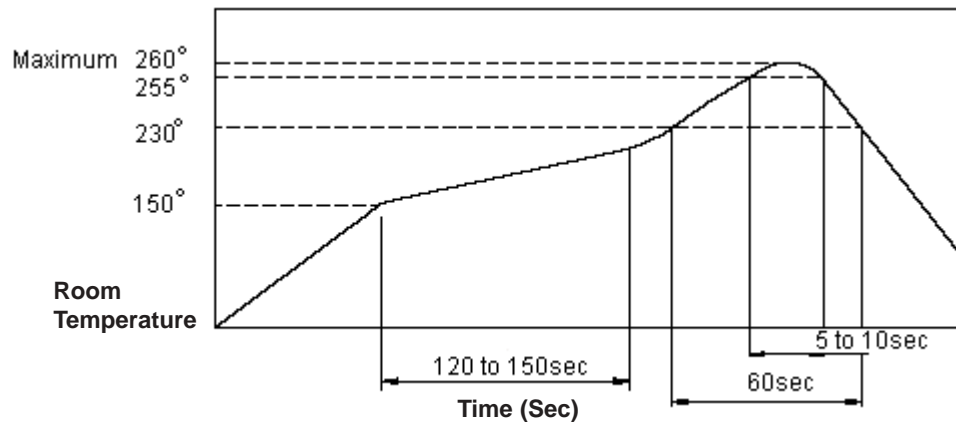
Soldering and Cleaning Process

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 remove the tape before wash process.
- Any flux enters the switch may fail the conductivity.

Reflow Temperature Profile:



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NHDS Series			
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A	M10002106	78049_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 3 OF 4



PART NO.

MCNHDS-Series

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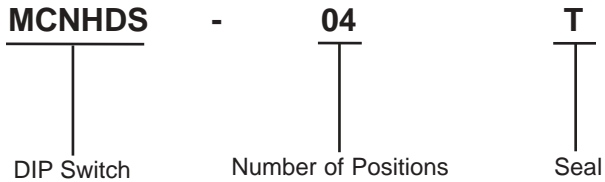
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Specification Table

Description	Number of Positions	Dimension A	Part Number
Switch, DIL, 1/2 Pitch, SMD, 8 Way	4	6.31 (0.248)	MCNHDS-04T
Switch, DIL, 1/2 Pitch, SMD, 8 Way	8	11.39 (0.448)	MCNHDS-08T

Dimensions : Millimetres (Inches)

Part Number Explanation:



- DIP Switch** : MCNHDS= Half Pitch DIP Switch (Terminal Length 6.7mm).
- Number of Positions** : 04 = 4 and 08 = 8 Positions.
- Seal** : T = Top Tape Sealed.

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<http://www.newark.com>
<http://www.cpc.co.uk>

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