

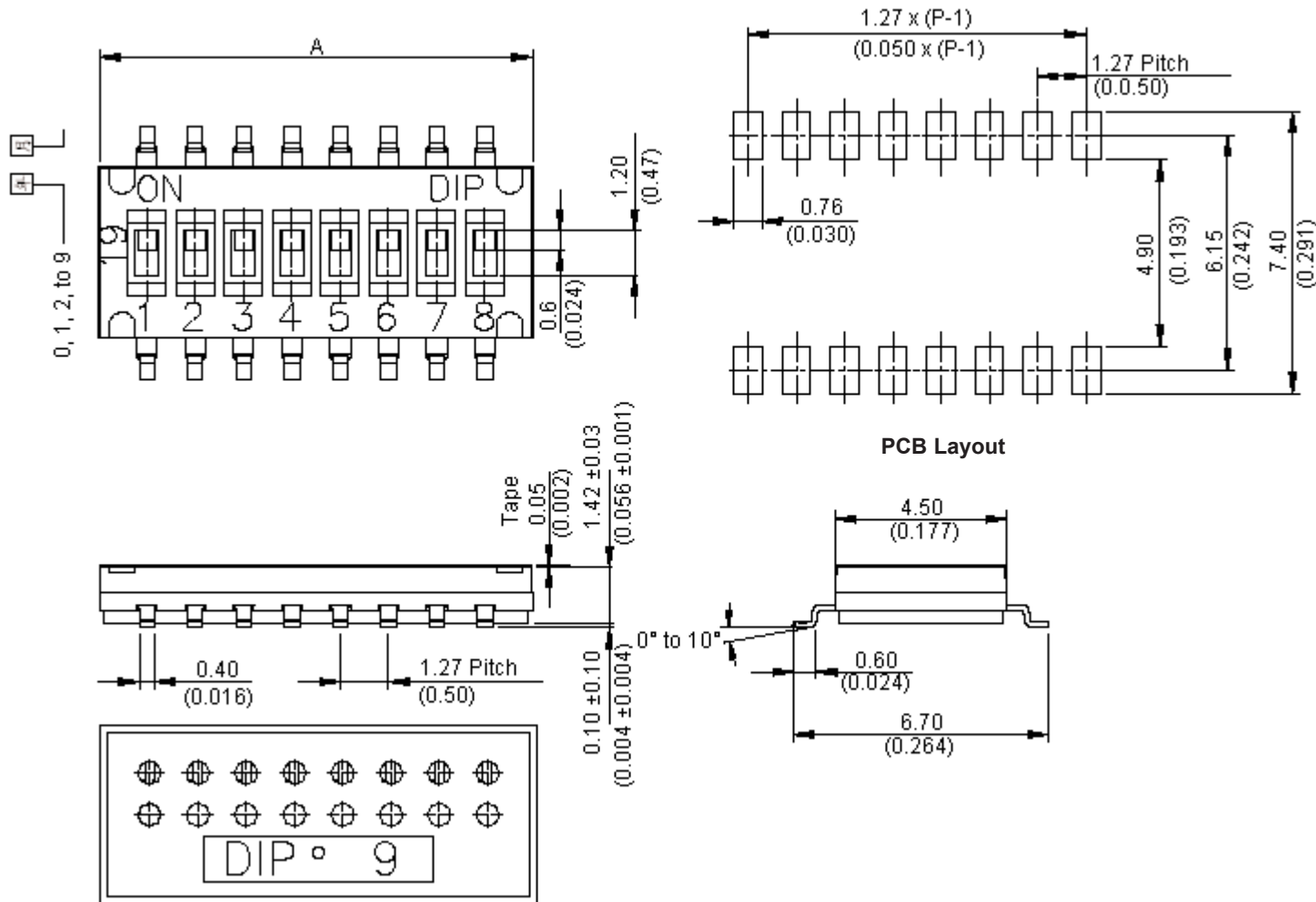


PART NO.

MCDHN Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Kiran	02/4/09	Veena	02/4/09	Farnell	16/04/09



Dimensions : Millimetres (Inches)

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TOLERANCES:

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DRAWN BY:

Kiran

DATE:

02/04/09

CHECKED BY:

Veena

DATE:

02/04/09

APPROVED BY:

Farnell

DATE:

16/04/09

DRAWING TITLE:

DIL Switch - MCDHN Series, Top Tape Sealed

SIZE
A

DWG NO.

M10002005

ELECTRONIC FILE
1605481_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 4



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MCDHN Series

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Specifications:

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 : 100mΩ at 500V dc.
Dielectric strength : 300V ac/1 minute.
Circuit : SPST.

Material:

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

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Farnell

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DRAWING TITLE:**DIL Switch - MCDHN Series, Top Tape Sealed****SIZE**
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M10002005ELECTRONIC FILE
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SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 2 OF 4



PART NO.

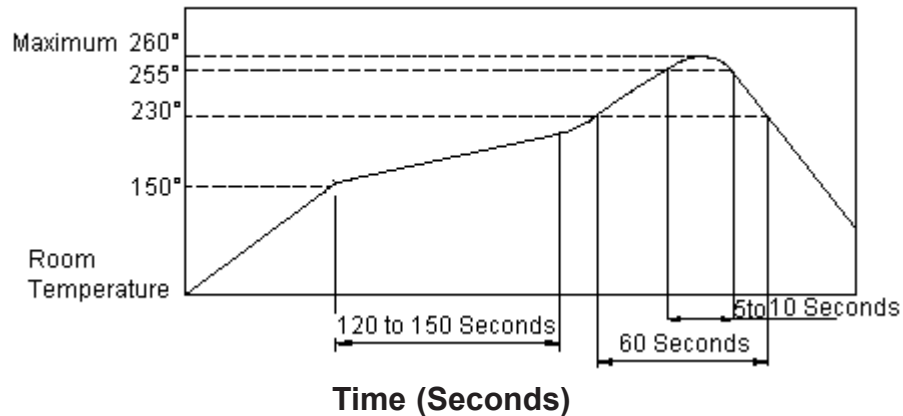
MCDHN Series

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Soldering Process:**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:

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Farnell

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DRAWING TITLE:**DIL Switch - MCDHN Series, Top Tape Sealed****SIZE**
A**DWG NO.****M10002005****ELECTRONIC FILE**
1605481_DWG**REV**
A**SCALE: NTS****U.O.M.: mm (Inches)****SHEET: 3 OF 4**



PART NO.

MCDHN Series

REVISIONS

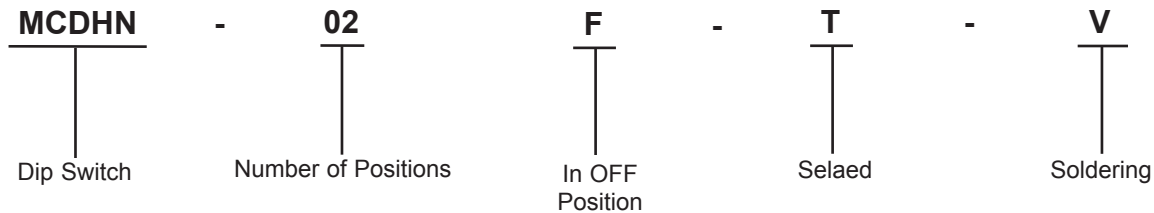
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Specification Table

Description	Number of Positions	Dimension A	Part Number
DIL Switch 2 Way - Without Tape	2	3.77 (0.148)	MCDHN-02F-T-V
DIL Switch 4 Way - Without Tape	4	6.31 (0.248)	MCDHN-04F-T-V
DIL Switch 6 Way - Without Tape	6	8.85 (0.348)	MCDHN-06F-T-V
DIL Switch 8 Way - Without Tape	8	11.39 (0.448)	MCDHN-08F-T-V
DIL Switch 10 Way - Without Tape	10	13.93 (0.548)	MCDHN-10F-T-V

Dimensions : Millimetres (Inches)

Part Number Explanation:



Dip Switch : MCDHN = Half Pitch Dip Switch (Terminal Length 8.1mm).
Number of positions : 02 = 2, 03 = 3, 04 = 4, 06 = 5, 08 = 8 and 10 Positions.
Sealed : T = Top Tape Sealed.
Soldering : V = Lead Free Solderable.

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

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