

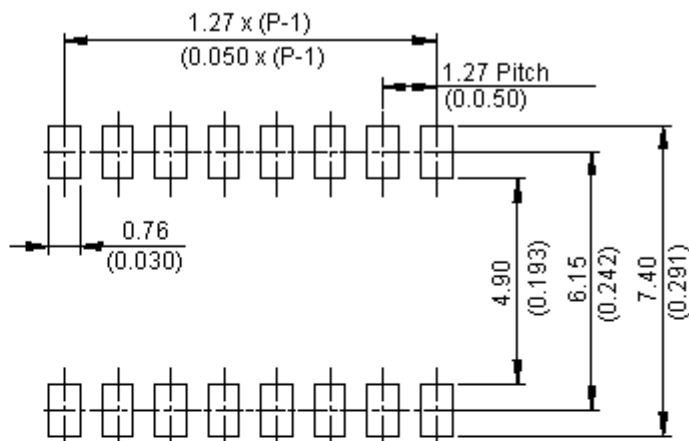
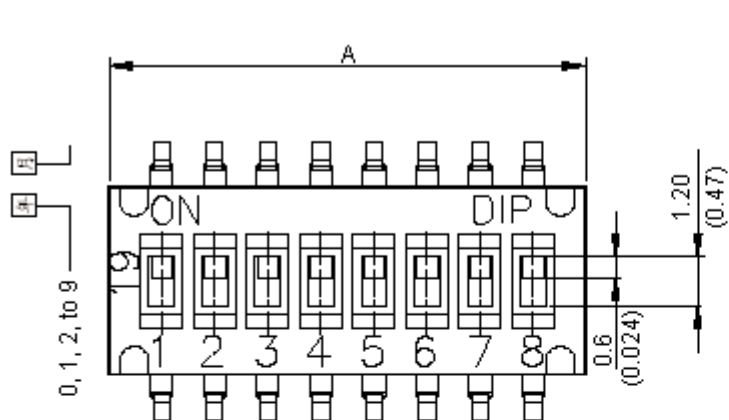


PART NO.

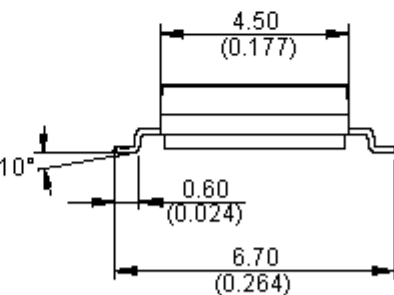
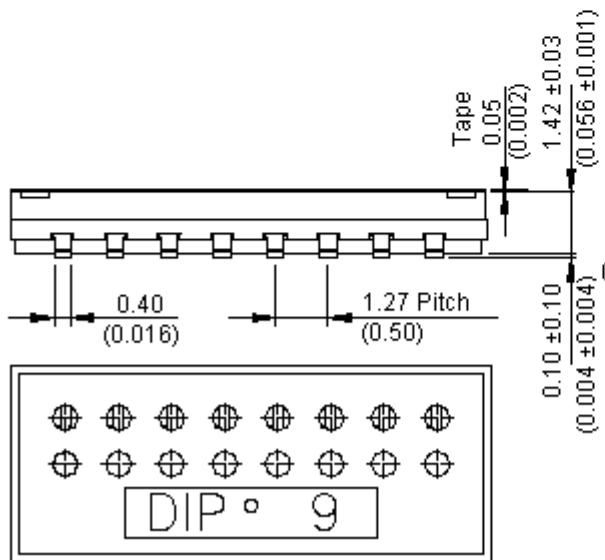
MCDHN Series

REVISIONS

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



PCB Layout



Dimensions : Millimetres (Inches)

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DRAWN BY:	DATE:
Kiran	02/04/09
CHECKED BY:	DATE:
Veena	02/04/09
APPROVED BY:	DATE:
Farnell	16/04/09

DRAWING TITLE:

DIL Switch - MCDHN Series, Top Tape Sealed

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002005	1605481_DWG	A
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 1 OF 4	



PART NO.

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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Veena	02/04/09
APPROVED BY:	DATE:
Farnell	16/04/09

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: 2 OF 4



PART NO.

MCDHN Series

REVISIONS

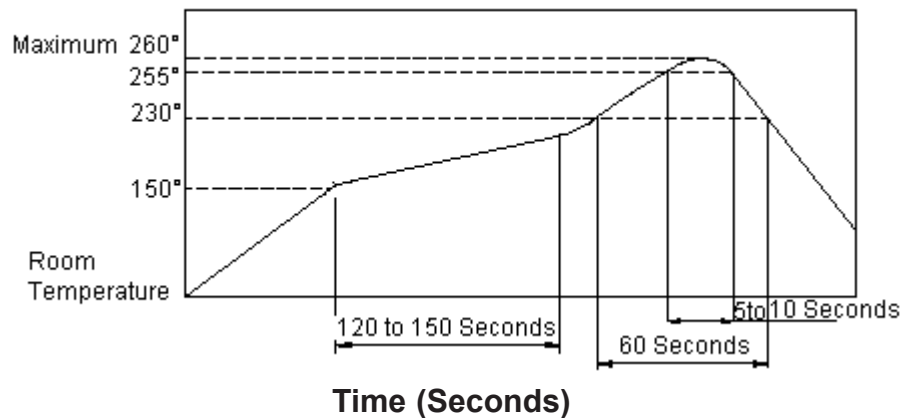
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-	A	RELEASED	Kiran	02/4/09	Veena	02/4/09	Farnell	16/04/09

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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APPROVED BY:	DATE:
Farnell	16/04/09

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

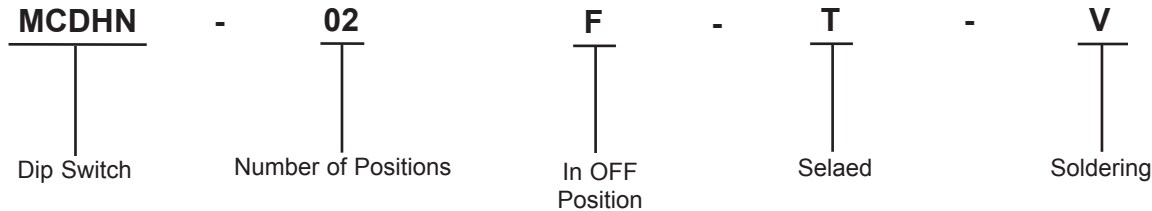
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-	A	RELEASED	Kiran	02/4/09	Veena	02/4/09	Farnell	16/04/09

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