



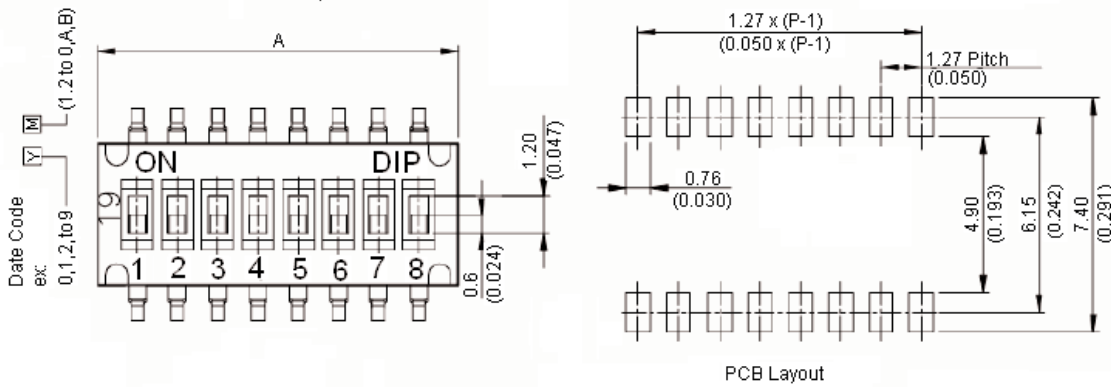
PART NO.

MCDHN - Series

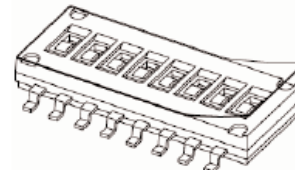
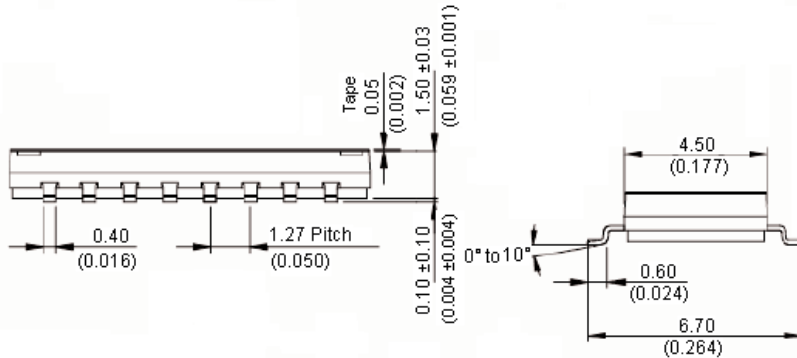
REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Naveen	05/04/10	Jagan	05/04/10	Farnell	19/04/10

MCDHN (Terminal length 6.7mm)



PCB Layout



Dimensions: Millimetres

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Jagan	05/04/10
<b>APPROVED BY:</b>	<b>DATE:</b>
Farnell	19/04/10

<b>DRAWING TITLE:</b>			
<b>MCDHN Switch</b>			
<b>SIZE</b>	<b>DWG NO.</b>	<b>ELECTRONIC FILE</b>	<b>REV</b>
A	M10002601	MCDHN	A
<b>SCALE: NTS</b>		<b>U.O.M.: mm</b>	<b>SHEET: 1 OF 4</b>



PART NO.

MCDHN - Series

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Specification Table:

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

Electrical

Electrical Life	Non-switching Rating	Switching Rating	Contact Resistance	Insulation Resistance	Dielectric Strength	Circuit
1000 Cycles	100 mA, 50V DC	25mA, 24V DC	Maximum 100mΩ at initial	Minimum 100MΩ (at 500V DC)	300V AC/ 1 minute	SPST

Material

- Base** : UL 94V-0 nylon high - temperature thermoplastic.
- Colour** : Black.
- Cover** : UL 94V-0 nylon high - temperature thermoplastic.
- 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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<b>A</b>	<b>M10002601</b>	<b>MCDHN</b>	<b>A</b>
<b>SCALE: NTS</b>		<b>U.O.M.: mm</b>	<b>SHEET: 2 OF 4</b>



PART NO.

MCDHN - Series

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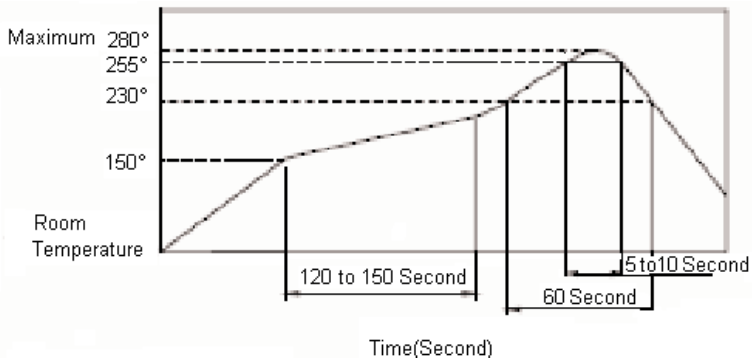
**Soldering Process**

**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: (reference)**



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<b>MCDHN Switch</b>			
<b>SIZE</b>	<b>DWG NO.</b>	<b>ELECTRONIC FILE</b>	<b>REV</b>
<b>A</b>	<b>M10002601</b>	<b>MCDHN</b>	<b>A</b>
<b>SCALE: NTS</b>		<b>U.O.M.: mm</b>	<b>SHEET: 3 OF 4</b>



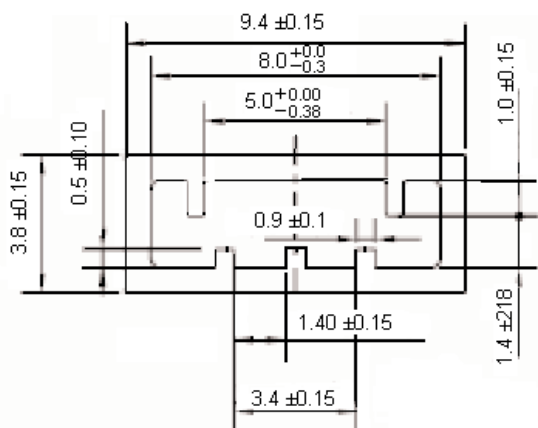
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MCDHN Tube



Part Number Table

Part Number	Number per Tube	Number per Reel	Description
MCDHN-02F-V	125	4000	Switch, DIP, SMD, 2 Way
MCDHN-04F-V	75		Switch, DIP, SMD, 4 Way
MCDHN-06F-V	54		Switch, DIP, SMD, 6 Way
MCDHN-08F-V	40		Switch, DIP, SMD, 8 Way
MCDHN-10F-V	33		Switch, DIP, SMD, 10 Way
MCDHN-02F-T-V	125		Switch, DIP, SMD, 2 Way
MCDHN-04F-T-V	75		Switch, DIP, SMD, 4 Way
MCDHN-06F-T-V	54		Switch, DIP, SMD, 6 Way
MCDHN-08F-T-V	40		Switch, DIP, SMD, 8 Way
MCDHN-10F-T-V	33		Switch, DIP, SMD, 10 Way

General tolerances maximum ±0.20mm

<http://www.farnell.com>

<http://www.newark.com>

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

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Farnell	19/04/10

DRAWING TITLE:

MCDHN Switch

SIZE <b>A</b>	DWG NO. <b>M10002601</b>	ELECTRONIC FILE MCDHN	REV <b>A</b>
SCALE: NTS	U.O.M.: mm	SHEET: 4 OF 4	