

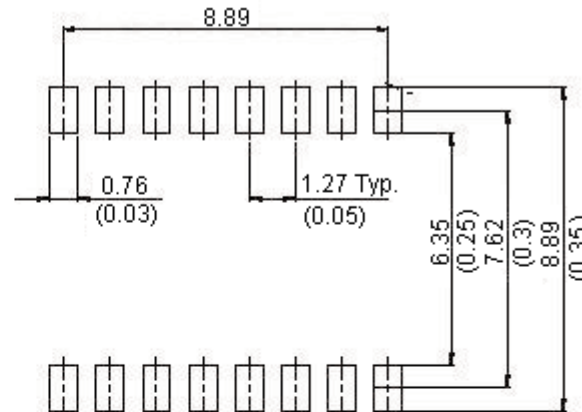
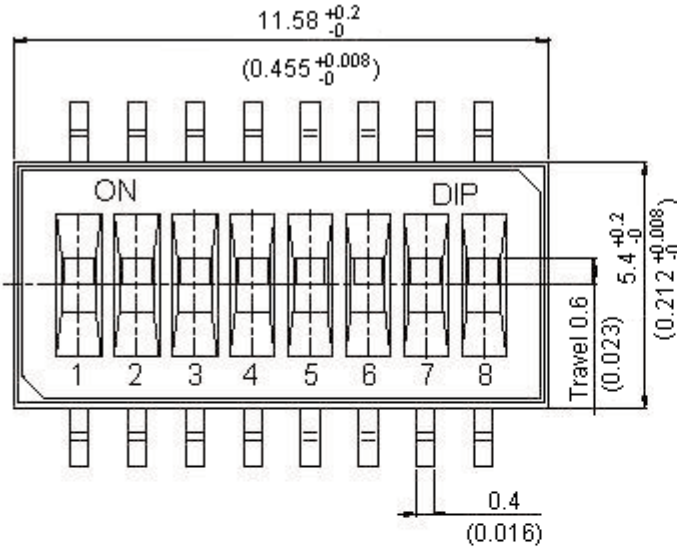


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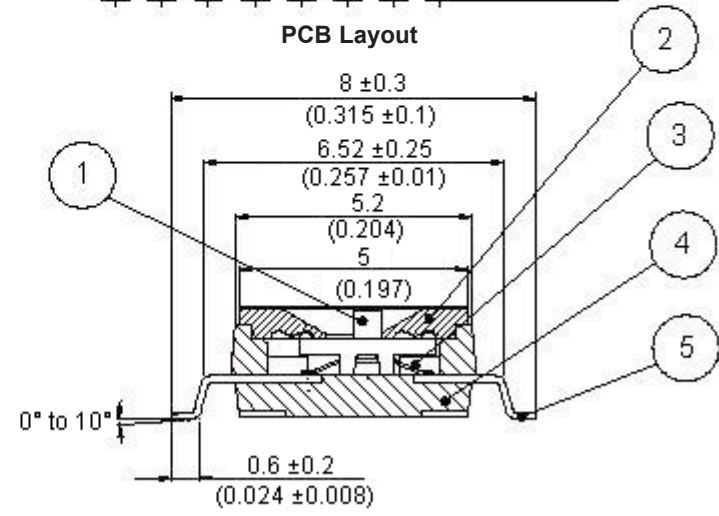
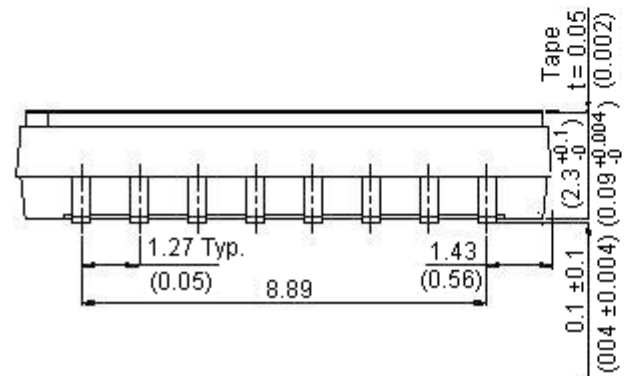
MCHDS-08-T

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	SID	13/6/11	VEE	13/6/11		27/6/11



PCB Layout



Dimensions : Millimetres (Inches)

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DRAWING TITLE:			
HDS Series			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002673	358253	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 1 OF 4



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Specifications:

Mechanical

Mechanical life : 2,000 cycles
 Maximum operation force : 600 gf
 Stroke : 0.6 mm
 Operation temperature : -20°C to +70°C
 Storage temperature : -40° to +85°C

Electrical

Electrical life : 2,000 operations cycles per switch 24 V dc, 25 mA
 Non-switching rating : 100 mA, 50 V dc
 Switching rating : 25 mA, 24 V dc
 Maximum contact resistance : 100 mΩ at initial
 Minimum insulation resistance : 100 MΩ at 500 V dc
 Dielectric strength : 300 V ac / min
 Maximum capacitance : 5 pF
 Circuit : Single pole single throw

Materials

Base : Nylon thermoplastic
 Base colour : Black
 Cover : Nylon thermoplastic
 Cover colour : Black
 Actuator : LCP thermoplastic
 Actuator colour : White
 Contact : Alloy copper
 Terminal : Brass
 Contact plating : Gold plated over nickel
 Terminal plating : Gold plated
 Tape : KAPTON

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	SID	13/06/11				
	CHECKED BY:	DATE:	SIZE A	DWG NO. M10002673	ELECTRONIC FILE 358253	REV A
	VEE	13/06/11				
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: mm (Inches)	
	27/06/11					



PART NO.

MCHDS-08-T

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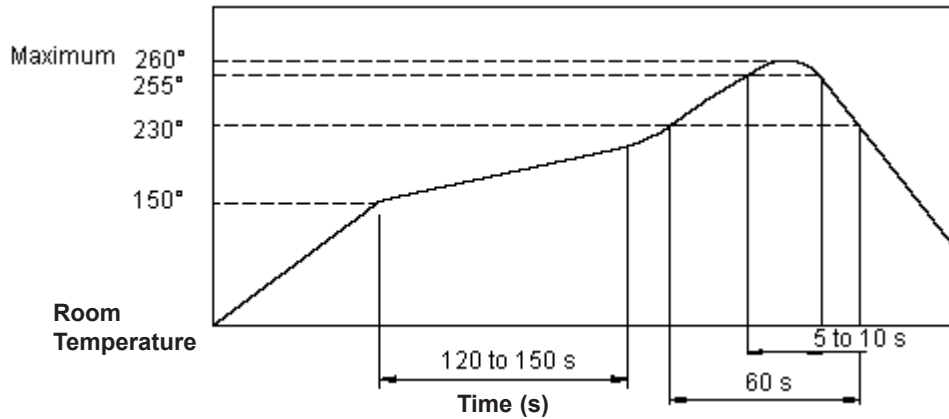
Soldering and Cleaning Process

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 mins.
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 mins.
7. Do not remove the tape before wash process.

Temperature Profile:



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DRAWING TITLE:

HDS Series

SIZE A	DWG NO. M10002673	ELECTRONIC FILE 358253	REV A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 3 OF 4



PART NO.

MCHDS-08-T

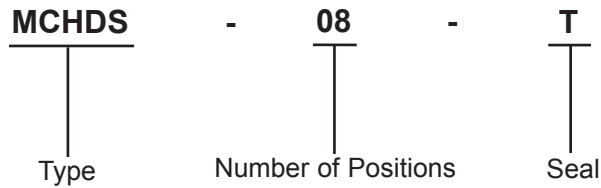
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Part Number Table

Description	Part Number
Switch, DIL, 1/2 Pitch, SMD, 8 Way	MCHDS-08-T

Part Number Explanation:



- Dip Switch** : MCHDS = Half Pitch DIP Switch.
- Number of Position** : 08 = 08 Position.
- Seal** : T = Top Tape Sealed.

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