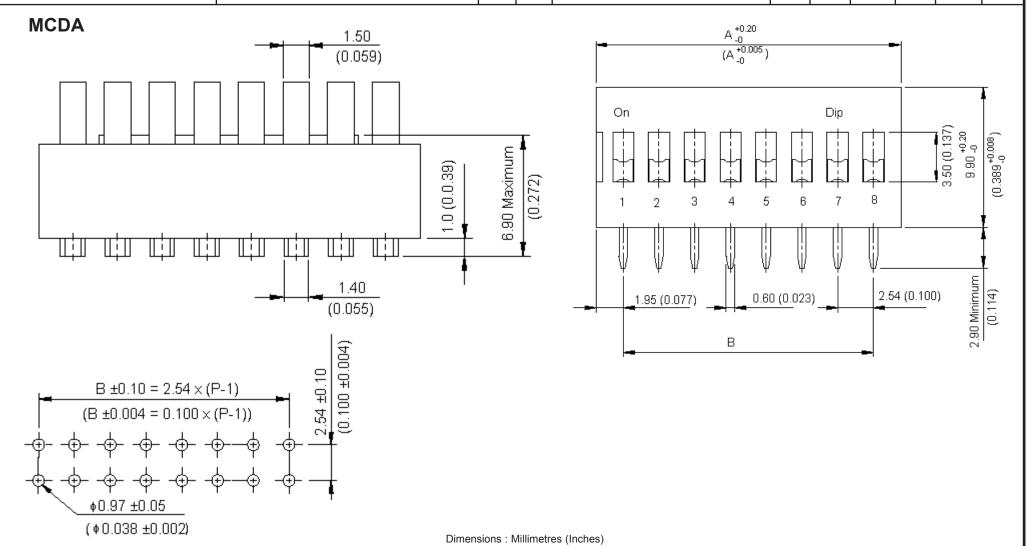


MCDA/DP Series

REVISIONS								
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	Venkat	07/3/08	Suresh	07/3/08	G. C	21/3/08



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	Suresh	07/03/08
	APPROVED BY:	DATE:
	G.Cook	21/03/08

DRAWING TITLE:

Dual In Line Switches-Right Angle and Piano types

 SIZE A
 DWG NO.
 M10000813
 ELECTRONIC FILE DS,DP,DA-V_DWG
 REV A

 SCALE: NTS
 U.O.M.: mm (Inches)
 SHEET: 1 OF 6



MCD,DA-V

REVISIONS								
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
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Schematic (Typical)

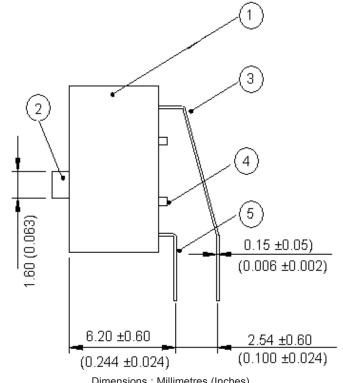


2, 3, 4, 5, 6, 7, 8, 9, 10, 12 Positions Available

Specifications Table

Number of Positions	A	В	Part Number
3	8.98 (0.354)	5.08 (0.200)	MCDA03
5	14.06 (0.554)	10.16 (0.400)	MCDA05
7	19.14 (0.754)	15.24 (0.600)	MCDA07
9	24.22 (0.954)	20.32 (0.800)	MCDA09

Dimensions: Millimetres (Inches)



Dimensions: Millimetres (Inches)

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1	Dual In Line Switches-Right Angle and Piano types
ı	DRAWING TITLE:

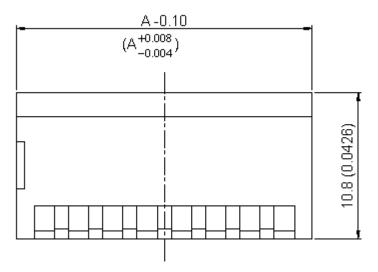
ELECTRONIC FILE DWG NO. **REV** SIZE M10000813 DS,DP,DA-V_DWG Α SCALE: NTS U.O.M.: mm (Inches) SHEET: 2 OF 6

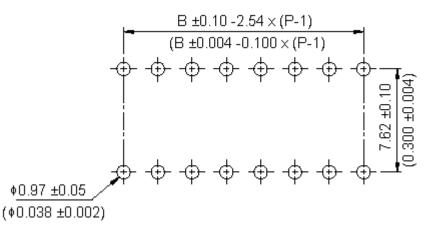


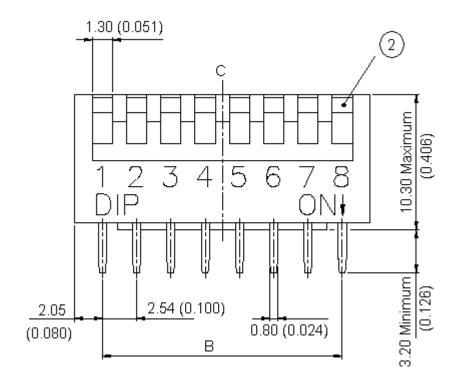
MCDA/DP Series

REVISIONS								
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
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MCDP







Dimensions: Millimetres (Inches)

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DRAWING TITLE:

Dual In Line Switches-Right Angle and Piano types

SIZE DWG NO.

M10000813

ELECTRONIC FILE
DS,DP,DA-V_DWG

SCALE: NTS U.O.M.: mm (Inches)

SHEET: 3 OF 6

REV

Α



MCDA/DP Series

REVISIONS								
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	Venkat	07/3/08	Suresh	07/3/08	G. C	21/3/08

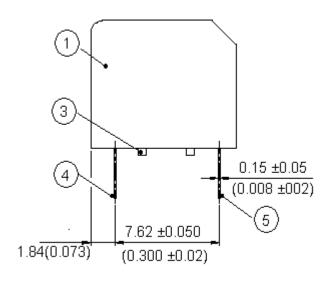
Schematic (Typical)

2, 3, 4, 5, 6, 7, 8, 9, 10, 12 Positions Available

Specifications Table

Number of Positions	Α	В	Part Number
3	9.18 (0.361)	5.08 (0.200)	MCDP03
5	14.26 (0.561)	10.16 (0.400)	MCDP05
7	19.34 (0.761)	15.24 (0.600)	MCDP07
9	24.42 (0.961)	20.32 (0.800)	MCDP09

Dimensions: Millimetres (Inches)



Dimensions: Millimetres (Inches)

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DRAWING TITLE:

SCALE: NTS

Dual In Line Switches-Right Angle and Piano types

U.O.M.: mm (Inches)

SHEET:

OF



MCDA/DP Series

REVISIONS								
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	Venkat	07/3/08	Suresh	07/3/08	G. C	21/3/08

Specifications:

Mechanical:

Mechanical life : 2,000 operations per switch.

Maximum Operating force : 400qf (MCDP series).

1,000gf (MCDA series).

Stroke : 2.0mm.

Operating temperature : -20 to +70°C. Storage temperature : -40 to +85°C.

Electrical:

Electrical life : 2,000 operations per switch 24V dc, 25mA.

Non-switching rating : 100mA, 50V dc. Switching rating : 25mA, 24V dc. Maximum contact resistance : $50m\Omega$ at intial Minimum insulation resistance : $100M\Omega$ at 500V dc. Dielectric strength : 500V ac/1 minute

Circuit : SPST.

Materials:

: UL 94V-0 PBT thermoplastic. Base

Colour: Black.

Cover : UL 94V-0 PBT thermoplastic.

Colour: Red, black and blue.

: UL 94V-0 PBT high thermoplastic. Actuator

Colour: White.

Contact : Phospor bronze with gold plating over nickel.

Top seal : Polyester film.

Potting material : Epoxy.

Soldering Process:

Keep all switch contacts in their "OFF" position for all operations.

Wave soldering: Recommended temperature at 500°F (260°C) maximum 5 seconds for through hole type. Hand soldering: Use a soldering iron of 30 watts, controlled at 350°C approximately maximum 5 seconds.

Make sure switch is in "OFF" position during soldering process or it will decrease the operating force and meanwhile increase the contact resistance.

Do not wash the switch body except top tape sealed type, which suitable for spray cleaning method from top of the s/w.

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Venkat	07/03/08		Dual In	
CHECKED BY:	DATE:	SIZE	DWG NO	
Suresh	07/03/08	Α		
APPROVED BY:	DATE:			
G.Cook	21/03/08	SCAL	.E: NTS	

DRAWING TITLE:									
Dual In Line Switches-Right Angle and Piano types									
SIZE	DWG NO.	M10000813	ELECTRONIC FILE	REV					
ΙΔΙ		10110000613	DS,DP,DA-V_DWG	Α					

SCALE: NTS U.O.M.: mm (Inches) SHEET: 5 OF 6

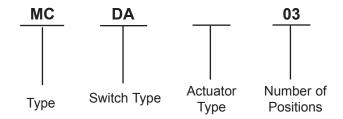


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MCDA/DP Series

REVISIONS								
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	Venkat	07/3/08	Suresh	07/3/08	G. C	21/3/08

Part Number Explanation



Switch Type

: DA = Right Angle Type Dip Switch.

DP = Piano Type Dip Switch.

Actuator Type

:

Raised Actuator for MCDA series,

Short Key for MCDP series.

Number of Positions

03 = 3 Positions. 05 = 5 Positions.

07 = 7 Positions.

09 = 9 Positions.

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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G.Cook	21/03/08

DDAMINO TITLE

DRAW	NG IIILE:			
	Dual In Lin	gle and Piano type	S	
SIZE	DWG NO.	M1000813	ELECTRONIC FILE	ı

A M10000813 DS,DP,DA-V_DWG A

SCALE: NTS U.O.M.: mm (Inches) SHEET: 6 OF 6