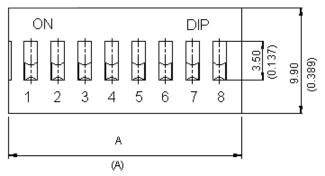
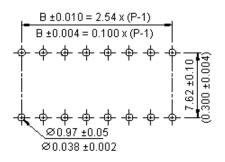


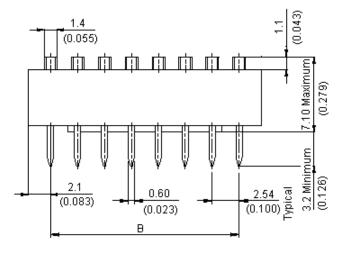
REVISIONS								
ECN#	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	А	RELEASED	Veena	09/03/09	Suresh	09/03/09	Farnell	23/03/09

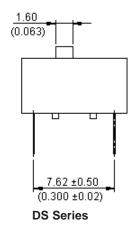






PCB Layout





Dimensions : Millimetres (Inches)

Schematic (Typical)

(2, 4, 6, 8, 10 and 12 Pos Avails)

(the "Group") or are licensed to it. No licence is granted for the use of it other than for
information purposes in connection with the products to which it relates. No licence
of any intellectual property rights is granted. The Information is subject to change with-
out notice and replaces all data sheets previously supplied. The Information supplied is
believed to be accurate but the Group assumes no responsibility for its accuracy or
completeness, any error in or omission from it or for any use made of it. Users of this
data sheet should check for themselves the Information and the suitability of the prod-
ucts for their purpose and not make any assumptions based on information included or
omitted. Liability for loss or damage resulting from any reliance on the Information or
use of it (including liability resulting from negligence or where the Group was aware of
the possibility of such loss or damage arising) is excluded. This will not operate to limit
or restrict the Group's liability for death or personal injury resulting from its negligence.
SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2009.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.
SPECIFIED,
DIMENSIONS ARE
FOR REFERENCE
PURPOSES ONLY.

TOLERANCES:

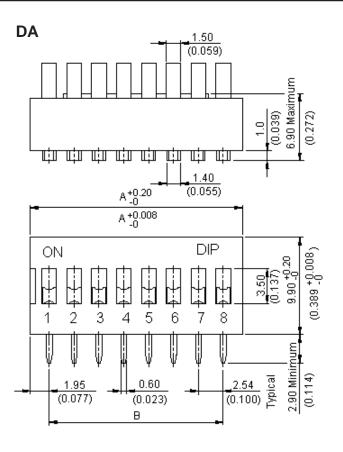
DRAWN BY:	DATE:
Veena	09/03/09
CHECKED BY:	DATE:
Suresh	09/03/09
APPROVED BY:	DATE:
Farnell	23/03/09

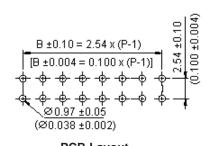
DRAWI	NG TITLE:					
		Switch - DS, DP,	, DA S	Series		
size A	DWG NO.	M10001964	l .	TRONIC FILE 2_DWG		REV A
SCALE: NTS		U.O.M.: mm (Inches)		SHEET: 1	OF	5

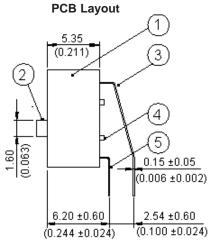


DΛ	DT	NI	\cap

REVISIONS								
ECN#	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	А	RELEASED	Veena	09/03/09	Suresh	09/03/09	Farnell	23/03/09







Dimensions : Millimetres (Inches)

Schematic (Typical)

(4, 6 and 8 Pos Avails)

This data sheet and its contents (the "Information") belong to the Premier Farnell Group
(the "Group") or are licensed to it. No licence is granted for the use of it other than for
information purposes in connection with the products to which it relates. No licence
of any intellectual property rights is granted. The Information is subject to change with-
out notice and replaces all data sheets previously supplied. The Information supplied is
believed to be accurate but the Group assumes no responsibility for its accuracy or
completeness, any error in or omission from it or for any use made of it. Users of this
data sheet should check for themselves the Information and the suitability of the prod-
ucts for their purpose and not make any assumptions based on information included or
omitted. Liability for loss or damage resulting from any reliance on the Information or
use of it (including liability resulting from negligence or where the Group was aware of
the possibility of such loss or damage arising) is excluded. This will not operate to limit
or restrict the Group's liability for death or personal injury resulting from its negligence.
SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2009.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.
SPECIFIED,
DIMENSIONS ARE
FOR REFERENCE
PURPOSES ONLY.

TOLERANCES:

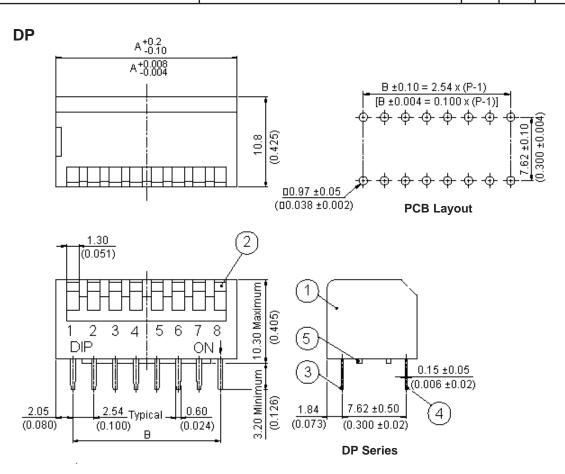
DRAWN BY:	DATE:
Veena	09/03/09
CHECKED BY:	DATE:
Suresh	09/03/09
APPROVED BY:	DATE:
Farnell	23/03/09

DRAWI	NG TITLE:				
		Switch - DS, DP,	, DA :	Series	
size A	DWG NO.	M10001964	ELEC 7374	REV A	
SCAL	F· NTS	II O M · mm (Inches)		SHEET 2 0	F 5



PART	NO

		REVISIONS						
ECN#	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	А	RELEASED	Veena	09/03/09	Suresh	09/03/09	Farnell	23/03/09



Schematic (Typical)

9999999999999

(4, 6 and 8 Pos Avails)

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from the negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell pic 2009.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

TOLERANCES:

DRAWN BY:	DATE:
Veena	09/03/09
CHECKED BY:	DATE:
Suresh	09/03/09
APPROVED BY:	DATE:
Farnell	23/03/09

Dimensions: Millimetres (Inches)

	DRAWI	NG TITLE:					
Switch - DS, DP, DA Series							
	size A	DWG NO.	M10001964		TRONIC FILE 2_DWG		REV A
SCALE: NTS		E: NTS	U.O.M.: mm (Inches)		SHEET:	3 O	F 5



		REVISIONS						
ECN#	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	А	RELEASED	Veena	09/03/09	Suresh	09/03/09	Farnell	23/03/09

Specifications:

Mechanical:

Mechanical life : 2000 operations per switch.

Maximum operation force : 400gf (DP Series)

: 1000gf maximum (DS and DA Series).

Stroke : 2.0mm.

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

Electrical:

Electrical life : 2000 operations per switch 24V dc, 25mA.

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

Circuit : SPST.

Materials:

Base : PBT thermoplastic.

Colour : Black.

Cover : PBT thermoplastic.
Colour : Red, black and blue.
Actuators : PBT high thermoplastic.

Colour : White.

Contact : Phosphor 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.

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injuny resulting from its negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell pic 2009.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.
SPECIFIED,
DIMENSIONS ARE
FOR REFERENCE
PURPOSES ONLY.

TOLERANCES:

DRAWN BY:	DATE:
Veena	09/03/09
CHECKED BY:	DATE:
Suresh	09/03/09
APPROVED BY:	DATE:
Farnell	23/03/09

DRAW	ING TITLE:				
		Switch - DS, DP,	, DA S	Series	
size A	DWG NO.	M10001964	ELECTRONIC FILE 73742_DWG		REV A
SCAL	F: NTS	II O M · mm (Inches)		SHEET: 4 ()F 5



PART NO.

MCD Series

	REVISIONS							·
ECN#	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	А	RELEASED	Veena	09/03/09	Suresh	09/03/09	Farnell	23/03/09

Specification Table

Number of Positions	A	В	Part Number
4	11.52 (0.454)	7.62 (0.300)	MCDA04
6	16.60 (0.654)	12.70 (0.500)	MCDA06
8	21.68 (0.854)	17.78 (0.700)	MCDA08
4	11.52 (0.454)	7.62 (0.300)	MCDS04
6	16.60 (0.654)	12.70 (0.500)	MCDS06
8	21.68 (0.854)	17.78 (0.700)	MCDS08
2	6.44 (0.254)	2.54 (0.100)	MCDS02
10	26.76 (1.054)	22.86 (0.900)	MCDS10
12	31.84 (1.254)	27.94 (1.100)	MCDS12
4	11.72 (0.461)	7.62 (0.300)	MCDP04
6	16.80 (0.661)	12.70 (0.500)	MCDP06
8	21.88 (0.861)	17.78 (0.700)	MCDP08

Dimensions: Millimetres (Inches)

Part Number Explanation:



Type Dip Switch : DA = Right Angle, DP = Piano and DS = Slide Type Dip Switch. : 04 = 4, 06 = 6, 08 = 8, 02 = 2, 10 = 10 and 12 = 12 Positions. **Number of Positions**

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the proddata sneet should check for themseives the information and rine suitability of the prod-ucts for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell pic 2009.

UNLESS OTHERWISI SPECIFIED, DIMENSIONS ARE FOR REFERENCE
SPECIFIED,
DIMENSIONS ARE
FOR REFERENCE
PURPOSES ONLY.

	DRAWN BY:	DATE:
	Veena	09/03/09
	CHECKED BY:	DATE:
	Suresh	09/03/09
	APPROVED BY:	DATE:
	Farnell	23/03/09

_	Switch - DS, DP, DA Series							
	SIZE A	DWG NO.	M10001964	l .	TRONIC FII 2_DWG	LE		REV A
_	SCALE: NTS		U.O.M.: mm (Inches)		SHEET:	5	OF	 -