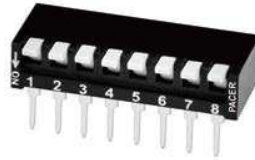


DIP SWITCH

DPA Series

EDGE ACTUATED TYPE



Through hole type



Surface mounting type

FEATURES

- Edge actuated type (Piano Type) is easy setting on closely racked PCB
- Tactile response is performed directly by larger contact pressure to ensure stable contact
- All plastics are UL 94V-0 grade fire retardant
- Twin contacts designed to ensure stable contact
- Contact wiping on make and break
- Gold plated contact ensures low contact resistance and long mechanical life and Tin plated terminals prevents contamination during soldering
- Smaller size makes better heat convection during PC board reflow soldering
- RoHS Compliant

SPECIFICATIONS

1. ELECTRICAL

Contact rating	
switching	25 mA, 24 VDC
non-switching	100 mA
Contact resistance (After life test)	100 mΩ Max.
Insulation resistance	1,000 MΩ Min at 100 VDC
Dielectric strength	500 VDC Min. for 60 seconds
Leakage current	2mA Max
Capacitance between adjacent switches	5 pF Max

2. MECHANICAL and ENVIRONMENTAL

Temperature rating	
operating	-40°C to + 85°C
storage	-40°C to + 85°C
Operation force	800g Max.
Mechanical life	1,000 operations
Humidity	95% RH, 40°C for 96 Hrs.
Vibration	10 to 55 Hz for 6 Hrs.
Solderability	After flux 245±5°C for 5±1 second
Resistance to soldering heat for through hole type	
Solder bath	260±5°C for 5±1 second
WARNING : Please keep contacts in OFF position during wave soldering.	

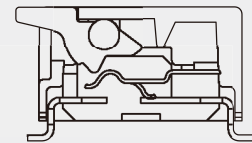
Resistance to soldering heat for SMT type	
Solder reflow	Peak temperature 260°C Max.
Reflow soldering process for SMT type	Reference IEC 61760
WARNING: Please keep contacts in OFF position during reflow soldering	

APPLICATIONS

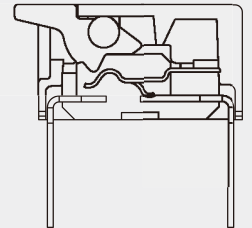
- Numerical setting for computer terminal equipment
- Price setting for vending machines
- Programming for game machines
- Programming for industrial equipment and measuring instruments

CONSTRUCTION

DPA-M



DPA-A3



PART NUMBERING SYSTEM

D P A	-	□ □ □ □ □ □ □	F
Series name		No. of positions Contact form	RoHS compliant
		On position	Terminal
		Actuator	Sealing
		Packaging	

Series name D P A Edge actuated type	Contact form 1 SPST	No. of positions <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0 2</td><td>0 6</td></tr> <tr><td>0 3</td><td>0 8</td></tr> <tr><td>0 4</td><td>1 0</td></tr> <tr><td>0 5</td><td></td></tr> </table>	0 2	0 6	0 3	0 8	0 4	1 0	0 5		On position <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>U Top side "OFF"</td></tr> <tr><td>D Top side "ON"</td></tr> </table>	U Top side "OFF"	D Top side "ON"
0 2	0 6												
0 3	0 8												
0 4	1 0												
0 5													
U Top side "OFF"													
D Top side "ON"													

Actuator <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>E Extended actuator</td></tr> <tr><td>L Low profile actuator</td></tr> </table>	E Extended actuator	L Low profile actuator	Terminal <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>A3 Through hole type and row spacing 7.62mm</td></tr> <tr><td>M SMT type</td></tr> </table>	A3 Through hole type and row spacing 7.62mm	M SMT type	Sealing <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>□ Without top tape sealed</td></tr> <tr><td>T With top tape sealed (For low profile actuator only)</td></tr> </table>	□ Without top tape sealed	T With top tape sealed (For low profile actuator only)	Packaging <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>□ Tube packaging</td></tr> <tr><td>C Tape & Reel Packaging (for "M" terminal only)</td></tr> </table>	□ Tube packaging	C Tape & Reel Packaging (for "M" terminal only)
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C Tape & Reel Packaging (for "M" terminal only)											

DIMENSIONS AND CIRCUITRY

Unit : mm(inch)

DPA-1□□U□A3F Through hole type	DPA-1□□U□MF Surface mounting type																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">DIMENSION A</th> <th colspan="8">Unit : mm(inch)</th> </tr> <tr> <th>POSITIONS</th> <th>A</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>8</th> <th>10</th> </tr> <tr> <td></td> <td></td> <td>6.50 (0.256)</td> <td>9.0 (0.354)</td> <td>11.60 (0.457)</td> <td>14.1 (0.555)</td> <td>16.70 (0.657)</td> <td>21.70 (0.854)</td> <td>26.70 (1.051)</td> </tr> </table>	DIMENSION A		Unit : mm(inch)								POSITIONS	A	2	3	4	5	6	8	10			6.50 (0.256)	9.0 (0.354)	11.60 (0.457)	14.1 (0.555)	16.70 (0.657)	21.70 (0.854)	26.70 (1.051)	<p style="text-align: center;">CIRCUIT DIAGRAM</p>
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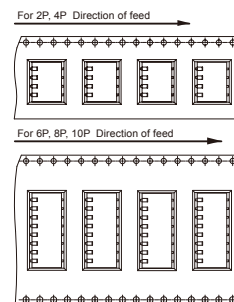
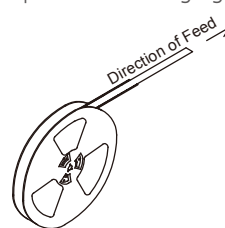
OPTIONS

- Special top or side marking available
- Normal "ON" (top side "ON") available
- Tape sealed



PACKAGING

- Tape & Reel Packaging



POLE	No. of pcs per reel
2P	550
3P	550
4P	550
5P	550
6P	550
8P	550
10P	550