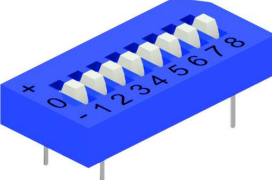


# DTD / DTA / DTS Series

SLIDE TRI-STATE "THT" & "SMT" TYPE

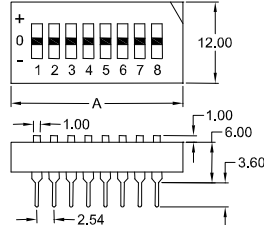
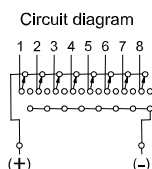


**DTD**




<b>Position</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>Dim. "A"</b>	15.30	17.84	20.38	22.92
<b>Position</b>	<b>8</b>	<b>9</b>	<b>10</b>	
<b>Dim. "A"</b>	25.46	28.00	30.54	

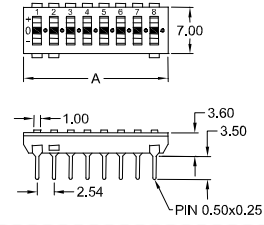
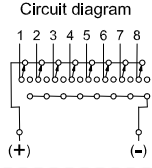
Unit: mm


**DTA**



<b>Position</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Dim. "A"</b>	6.88	9.42	11.96	14.50
<b>Position</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>Dim. "A"</b>	17.04	19.58	22.12	24.66

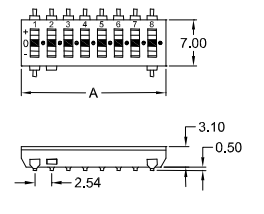
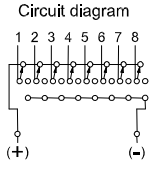



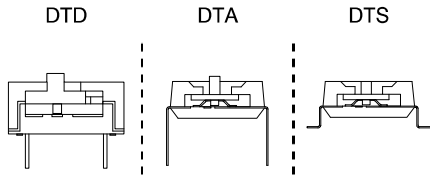
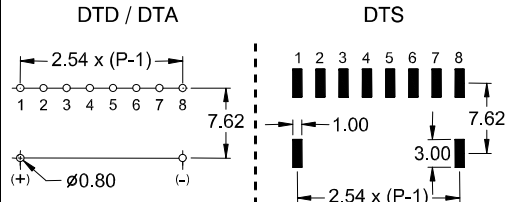
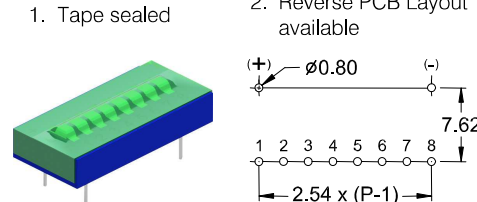
**DTS**



<b>Position</b>	<b>10</b>	<b>12</b>		
<b>Dim. "A"</b>	27.20	32.28		

Unit: mm

<p><b>Construction</b></p> 			<p><b>PCB Hole/SMT Layout</b></p> 		<p><b>Options</b></p> <p>1. Tape sealed</p> <p>2. Reverse PCB Layout available</p> 	
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**SPECIFICATIONS**

<p><b>Electrical data</b></p> <p>Contact Rating</p> <ul style="list-style-type: none"> <li>-switching: 25 mA, 24 V DC</li> <li>-non-switching: 100 mA, 50 V DC</li> </ul> <p>Contact Resistance</p> <ul style="list-style-type: none"> <li>-initial: 50 mΩ max.</li> <li>-after life test: 100 mΩ max.</li> </ul> <p>Insulation Resistance: 1000 MΩ min. at 100 V DC</p> <p>Withstanding Voltage: 500 V AC for 1 Minute</p> <p>Capacitance between adjacent switches: 5 pF max.</p>	<p><b>Mechanical and Environmental data</b></p> <p>Operating temperature: -25°C to +70°C</p> <p>Storage temperature: -40°C to +85°C</p> <p>Operating force: 800 gf max.</p> <p>Mechanical life: 2000 operations</p> <p>Vibration: 10 Hz – 50 Hz – 10 Hz for 6 hours</p>
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**FEATURES**

<ul style="list-style-type: none"> <li>With three state (1-open-0) setting function, especially suitable for encoding/decoding of tri-state encoder/decoder integrated circuit to obtain more security codes than traditional two-state (1-0) operation. For instance, 9 bits with tri-state gets 19,683 (3<sup>9</sup>) codes, while two-state has 512 (2<sup>9</sup>) codes, gains 38 times in former</li> <li>All plastics used are UL 94V-0 grade fire retardant</li> </ul>	<ul style="list-style-type: none"> <li>Gold plated contacts to ensure low contact resistance, and tin plated terminal to prevent contamination during soldering (<i>gold/tin</i>)</li> <li>Twin contacts designed to ensure stable contact</li> <li>Ideal for Telecommunication, Transmitter, Remote Control and Burglar Alarm Systems which use integrated circuits with tri-state coding systems</li> <li>Standard packing method Tube</li> </ul>
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How to order

**DTX – 1 xx – XX Z**

<p><b>Series</b></p> <p><b>DTD</b> = Bottom Epoxy Sealed THT Type</p> <p><b>DTA</b> = Low Profile THT Type</p> <p><b>DTS</b> = Low Profile SMT Type</p>	<p><b>Nbr of positions</b></p> <p>see under position/dimension box above</p> <p>Example: 2 Position = <b>02</b> 3 Position = <b>03</b> etc.</p>	<p><b>Actuator and Sealing</b></p> <p><b>E</b> = Extended Actuator</p> <p><b>ET</b> = Extended Actuator &amp; Tape sealed</p> <p><i>Low Profile Actuator for DTA &amp; DTS Series only!</i></p> <p><b>L</b> = Low Profile Actuator</p> <p><b>LT</b> = Low Profile Actuator &amp; Tape sealed</p>
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