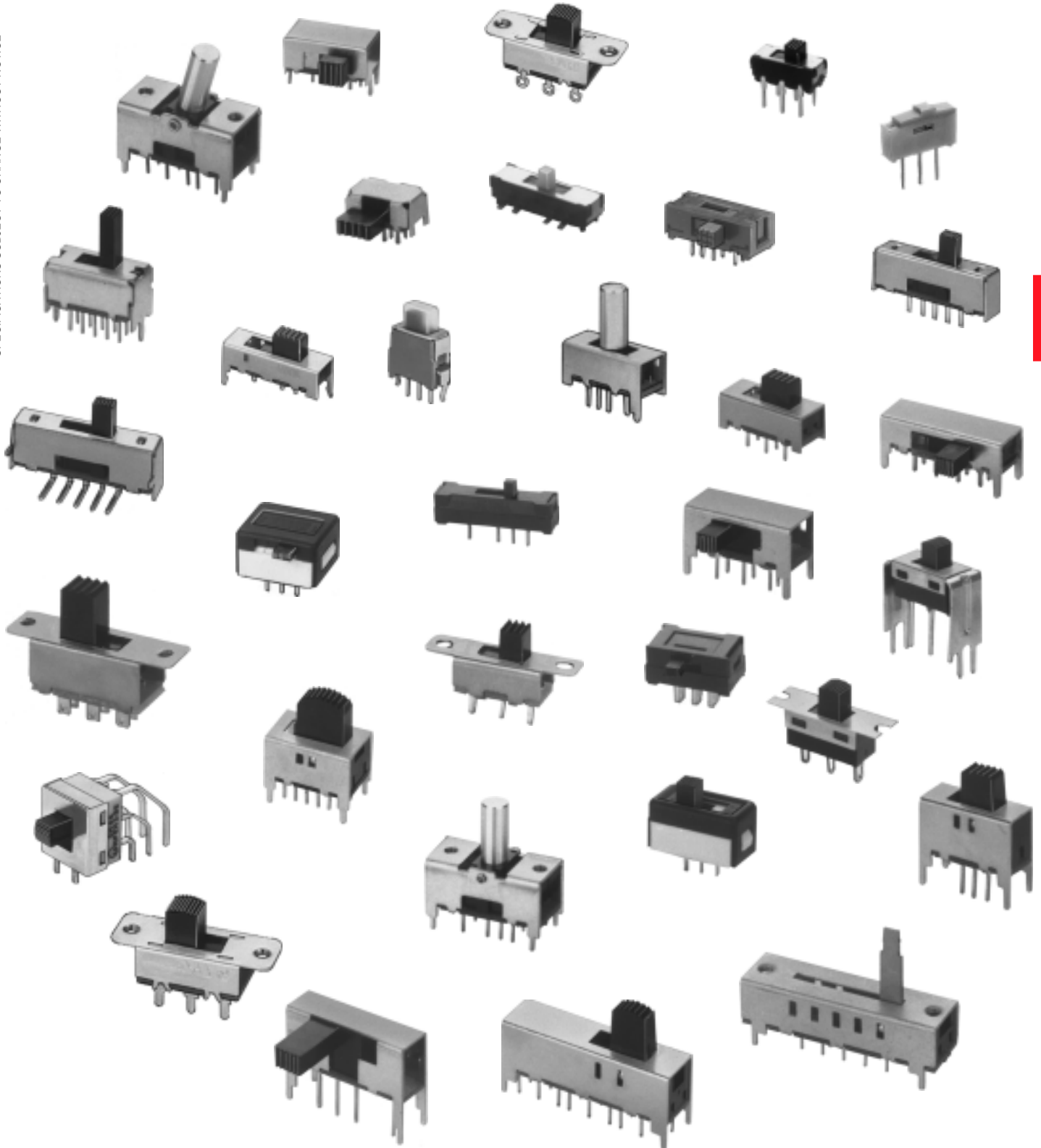


# SLIDE SWITCHES

SEE PUSHBUTTON SWITCH SELECTION GUIDE ON NEXT PAGE

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



# SLIDE SWITCHES

SLIDE SWITCH SELECTION GUIDE: This catalog contains an extensive variety of slide switches with numerous options and accessories. To facilitate easy selection of the desired switch for your application, the guide on page O2 lists the various Series with some key selection parameters.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MICROMINIATURE SLIDE SWITCHES								
SERIES	POLES	POS-ITIONS	RATINGS	WASH-ABLE	LIFE CYCLES	MOUNTING	ACTUATION	PAGE(S)
<b>MJS</b>	1&2	2&3	100 ma @ 12VDC	No	10,000	P.C. thru-hole	Vert. & rt. angle	O3-O4
<b>MSSA</b>	2	2	100 ma @ 30VDC or 125VAC & dry circuit	No	10,000	P.C. thru-hole	Vert. & rt. angle	O5
<b>MA</b>	1	2&3	300 ma @ 4VDC	No	10,000	Surface	Rt. angle	O6
<b>MHSS</b>	1&2	2	300 ma @ 6VDC	No	5000	P.C. thru-hole	Vert. & rt. angle	O7
<b>MS</b>	1,2&4	2&3	300 ma @ 6VDC	No	10,000	P.C. thru-hole & surface	Vert. & rt. angle	O8-O10
<b>MMS</b>	1,2,4&6	2&3	300 ma @ 30VDC	No	10,000	P.C. thru-hole	Vert. & rt. angle	O11-O12
MINIATURE SLIDE SWITCHES								
SERIES	POLES	POS-ITIONS	RATINGS	WASH-ABLE	LIFE CYCLES	MOUNTING	ACTUATION	PAGE(S)
<b>MSTS</b>	1&2	3	300 ma @ 28VDC	Yes	10,000	P.C. thru-hole	Vertical	O13
<b>MHS</b>	1&2	2&3	300 ma @ 30VDC	Yes	10,000	P.C. thru-hole	Vertical	O14-O17
<b>SLB</b>	1&2	2,3,4&5	300 ma @ 30VDC or 125 VAC	Yes	10,000	P.C. thru-hole	Vert. & rt. angle	O18-O25
<b>SLC</b>	1&2	2	300 ma @ 30VDC or 125 VAC	Yes	10,000	Panel	Vertical	O26
<b>SLG</b>	1	2	300 ma @ 30VDC or 125 VAC	Yes	10,000	P.C. thru-hole & panel	Vertical	O27
<b>SLA</b>	1&2	2	500 ma @ 125VAC	Yes	10,000	P.C. thru-hole & panel	Vertical	O28-O29

## ALPHA-NUMERIC INDEX BY SERIES

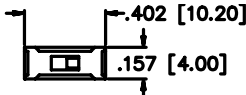


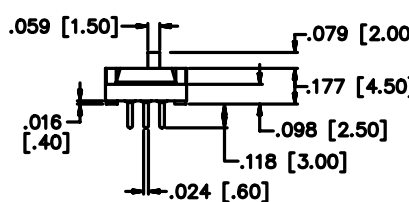
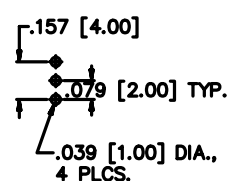
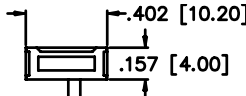


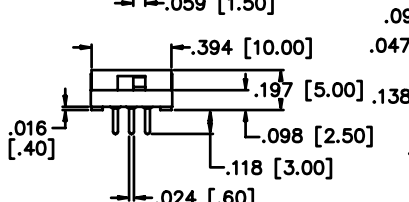
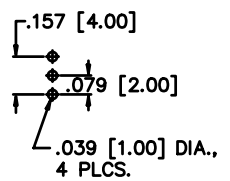
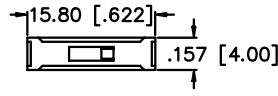

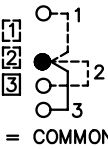
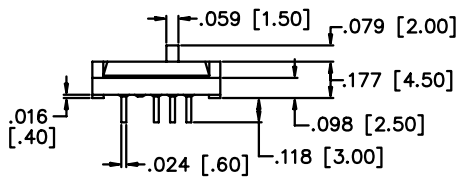
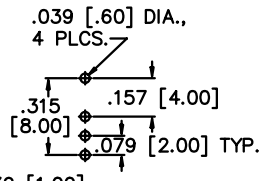
<b>SERIES</b>	<b>Page (s)</b>	<b>SERIES</b>	<b>Page (s)</b>
<b>MA</b>	<b>O6</b>	<b>MSSA</b>	<b>O5</b>
<b>MHS</b>	<b>O14-O17</b>	<b>MSTS</b>	<b>O13</b>
<b>MHSS</b>	<b>O7</b>	<b>SLA</b>	<b>O28-O29</b>
<b>MJS</b>	<b>O3-O4</b>	<b>SLB</b>	<b>O18-O25</b>
<b>MMS</b>	<b>O11-O12</b>	<b>SLC</b>	<b>O26</b>
<b>MS</b>	<b>O8-O10</b>	<b>SLG</b>	<b>O27</b>

# MJS Series

## Microminiature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

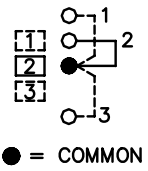
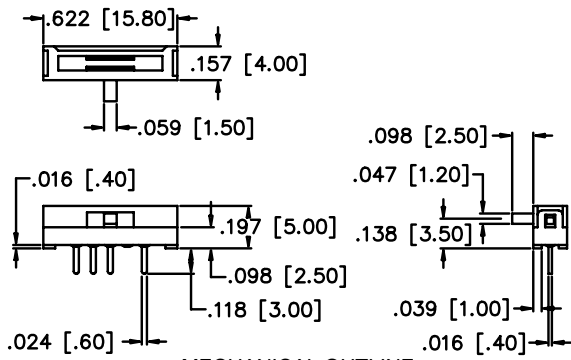
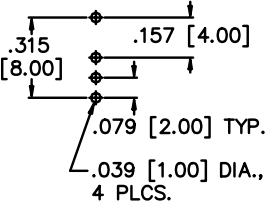
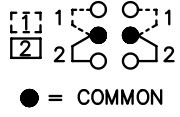
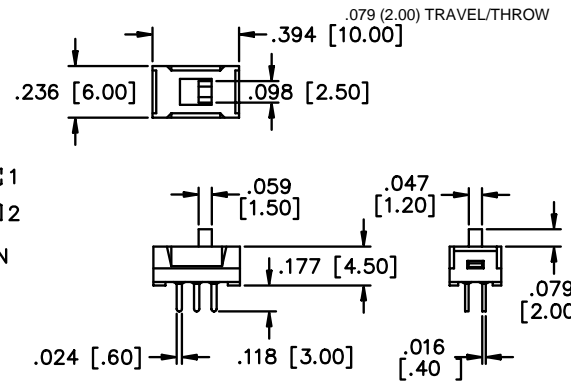
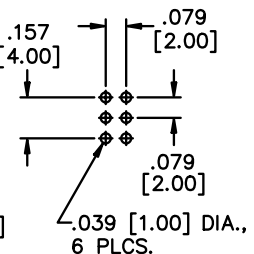
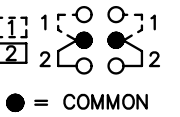
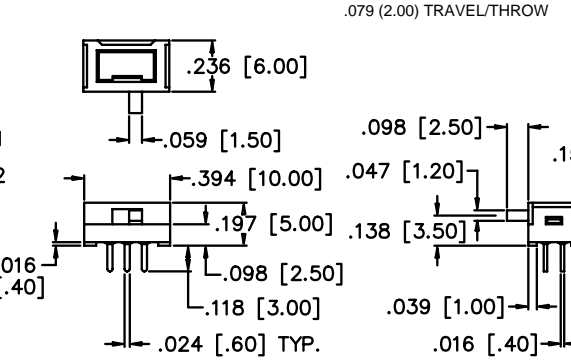
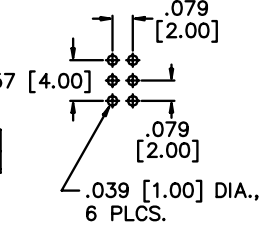
SPECIFICATIONS	FEATURES
<b>Contact rating:</b> 100 mA at 12 VDC <b>Initial contact resistance:</b> 20 milliohms max. <b>Insulation resistance:</b> 100 megohms min. at 500 VDC <b>Dielectric strength:</b> 500 volts RMS at sea level <b>Electrical life:</b> 10,000 cycles min. <b>Operating temperature range:</b> -10°C to +60°C <b>Actuation force:</b> 225g (average) <b>Solder heat resistance:</b> 260°C max. for 5 seconds <b>Washing not recommended</b>	<ul style="list-style-type: none"> <li>● <b>Molded-in terminals minimize flux or solder entry.</b></li> <li>● <b>Molded-in high temperature phenolic base.</b></li> <li>● <b>Low Profile.</b></li> <li>● <b>Bifurcated wiping contact design.</b></li> </ul>
	MATERIALS
	<b>Contacts &amp; terminals:</b> Silver plated <b>Case &amp; actuator:</b> Thermoplastic <b>Terminal seal:</b> Molded-in

MODEL NO.	.079 (2.00) TRAVEL/THROW		
MJS12	<b>1P2T</b>		
	 ● = COMMON		
VERTICAL ACTUATOR	SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
MODEL NO.	.079 (2.00) TRAVEL/THROW		
MJS12R	<b>1P2T</b>		
	 ● = COMMON		
RIGHT ANGLE ACTUATOR	SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
MODEL NO.	.079 (2.00) TRAVEL/THROW		
MJS13	<b>1P3T</b>		
	 ● = COMMON		
VERTICAL ACTUATOR	SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT

# MJS Series

## Microminiature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<p><b>MODEL NO.</b></p> <p><b>MJS13R</b></p>	<p style="text-align: right;">.079 (2.00) TRAVEL/THROW</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>● = COMMON</p> </div> <div style="width: 35%;">  <p style="text-align: center;">MECHANICAL OUTLINE</p> </div> <div style="width: 30%;">  <p style="text-align: center;">P.C. BOARD LAYOUT</p> </div> </div> <p style="text-align: center;">RIGHT ANGLE ACTUATOR</p>
<p><b>MODEL NO.</b></p> <p><b>MJS22</b></p>	<p style="text-align: right;">.079 (2.00) TRAVEL/THROW</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>● = COMMON</p> </div> <div style="width: 35%;">  <p style="text-align: center;">MECHANICAL OUTLINE</p> </div> <div style="width: 30%;">  <p style="text-align: center;">P.C. BOARD LAYOUT</p> </div> </div> <p style="text-align: center;">VERTICAL ACTUATOR</p>
<p><b>MODEL NO.</b></p> <p><b>MJS22R</b></p>	<p style="text-align: right;">.079 (2.00) TRAVEL/THROW</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>● = COMMON</p> </div> <div style="width: 35%;">  <p style="text-align: center;">MECHANICAL OUTLINE</p> </div> <div style="width: 30%;">  <p style="text-align: center;">P.C. BOARD LAYOUT</p> </div> </div> <p style="text-align: center;">RIGHT ANGLE ACTUATOR</p>

# MSSA Series

## Microminiature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

SPECIFICATIONS		FEATURES		
<p><b>Contact ratings:</b> <b>Gold;</b> 0.4 Volt-Amps (VA) max. at 20 V max. (AC or DC)  <b>Silver;</b> 100 mA at 125 VAC or 30 VDC</p> <p><b>Initial contact resistance:</b> 30 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 250 VDC</p> <p><b>Dielectric strength:</b> 250 volts RMS at sea level</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -10°C to +60°C</p> <p><b>Actuation force:</b> 250g ± 150g</p> <p><b>Solder heat resistance:</b> 260°C max. for 3 seconds</p> <p><b>Washing not recommended</b></p>		<ul style="list-style-type: none"> <li>● <b>Low Profile.</b></li> <li>● <b>Epoxy sealed terminals.</b></li> <li>● <b>Cosmetic molded case.</b></li> </ul>		
		MATERIALS		
		<p><b>Contacts &amp; terminals:</b> Gold or silver available (see contact ratings)</p> <p><b>Housing and Actuator:</b> Thermoplastic</p> <p><b>Base:</b> High temperature thermoplastic</p> <p><b>Terminal seal:</b> Epoxy</p>		
MODEL NO.	PLATING	2P2T		
MSSA22G	GOLD			
<p>VERTICAL ACTUATOR</p>		<p>SCHMATIC</p>	<p>MECHANICAL OUTLINE</p>	<p>P.C. BOARD LAYOUT</p>

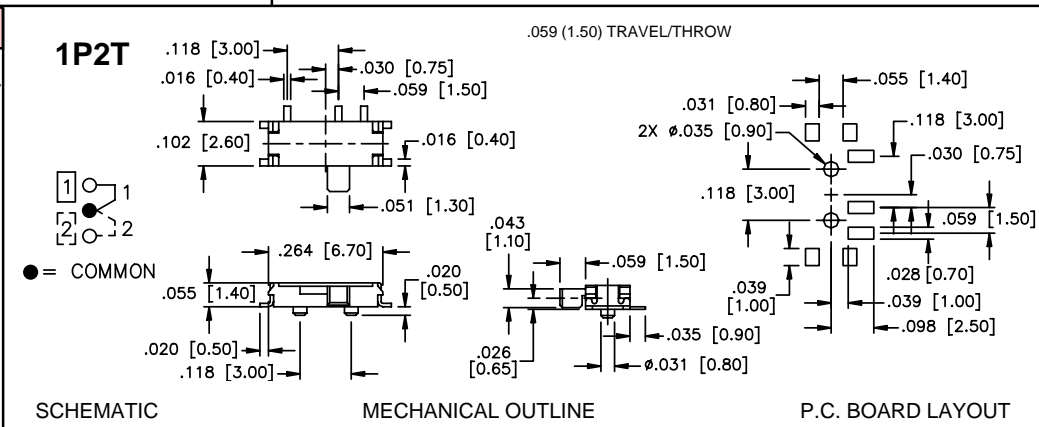
# MA Series

## Microminiature Memory Card Slide Switches

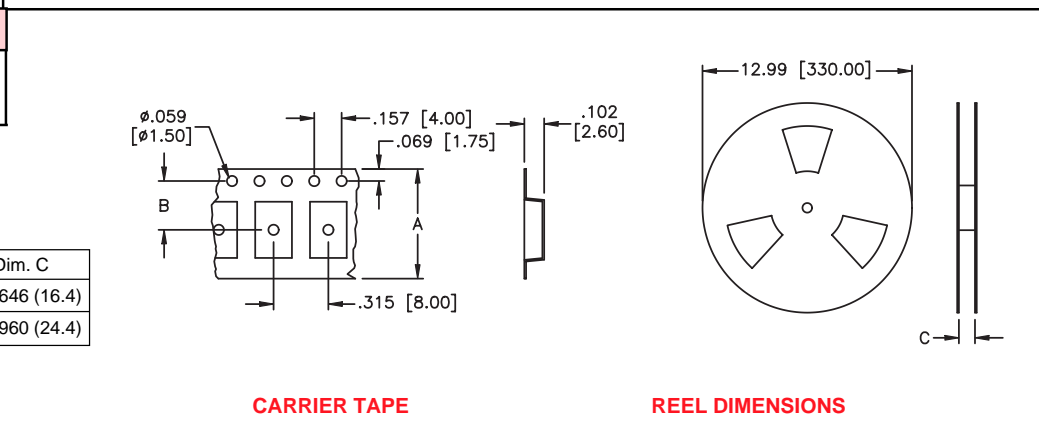
SPECIFICATIONS	FEATURES
<p><b>Contact rating:</b> 300 mA at 4 VDC</p> <p><b>Initial contact resistance:</b> 70 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 100 VDC</p> <p><b>Dielectric strength:</b> 100 VAC for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -10°C to +60°C</p> <p><b>Actuation force:</b> 200g ± 100g</p> <p><b>Solder heat resistance:</b> Reflow - 260°C max. for 1 min. Manual - iron temperature 305 °C max. for 6 seconds.</p> <p><b>Washing not recommended</b></p>	<ul style="list-style-type: none"> <li>● <b>Ultra-compact size.</b></li> <li>● <b>Low Profile.</b></li> <li>● <b>Surface mounting with restraining bosses.</b></li> <li>● <b>Reflow or hand solderable.</b></li> </ul>
MATERIALS	
<p><b>Contacts:</b> Silver plated beryllium copper</p> <p><b>Terminals:</b> Silver plated brass</p> <p><b>Base:</b> Liquid crystal polymer     <b>Cover:</b> Tin plated steel</p> <p><b>Actuator:</b> Liquid crystal polymer</p>	

MODEL NO.
<b>MA12R</b>

RIGHT ANGLE ACTUATOR



MODEL NO.												
<b>MA12R/TR</b>												
<b>MA13R/TR</b>												
Same as above models except supplied on tape & reel as shown.												
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Model No.</th> <th>Dim. A</th> <th>Dim. B</th> <th>Dim. C</th> </tr> </thead> <tbody> <tr> <td>MA12R/TR</td> <td>.630 (16.0)</td> <td>.217 (5.5)</td> <td>.646 (16.4)</td> </tr> <tr> <td>MA13R/TR</td> <td>.945 (24.0)</td> <td>.453 (11.5)</td> <td>.960 (24.4)</td> </tr> </tbody> </table>	Model No.	Dim. A	Dim. B	Dim. C	MA12R/TR	.630 (16.0)	.217 (5.5)	.646 (16.4)	MA13R/TR	.945 (24.0)	.453 (11.5)	.960 (24.4)
Model No.	Dim. A	Dim. B	Dim. C									
MA12R/TR	.630 (16.0)	.217 (5.5)	.646 (16.4)									
MA13R/TR	.945 (24.0)	.453 (11.5)	.960 (24.4)									




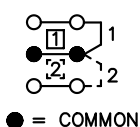
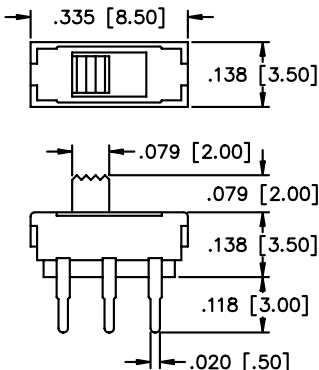
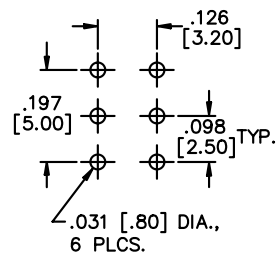

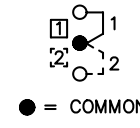
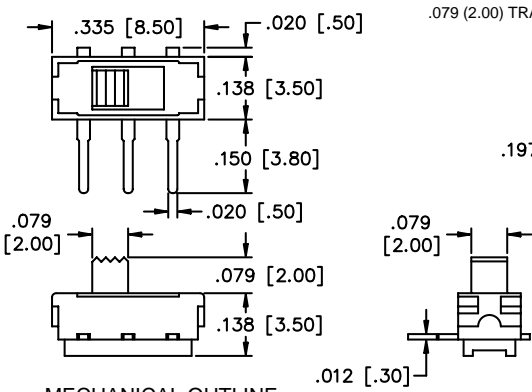
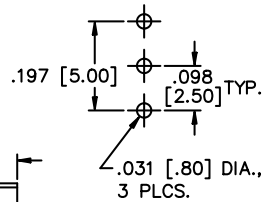
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

# MHSS Series

## Microminiature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

SPECIFICATIONS	FEATURES
<p><b>Contact ratings:</b> 300 mA at 6 VDC</p> <p><b>Initial contact resistance:</b> 60 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 100 VDC</p> <p><b>Dielectric strength:</b> 100 VAC for 1 minute</p> <p><b>Electrical life:</b> 5000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +70°C</p> <p><b>Solder heat resistance:</b> 350°C max. for 3 seconds</p> <p><b>Washing not recommended</b></p>	<ul style="list-style-type: none"> <li>● <b>Excellent tactile feed-back (detent action).</b></li> <li>● <b>Molded-in terminals minimize flux or solder entry.</b></li> <li>● <b>Ultra-compact case size.</b></li> <li>● <b>Low profile.</b></li> </ul>
MATERIALS	
<p><b>Contacts &amp; terminals:</b> Silver plated</p> <p><b>Case:</b> 30% Glass filled nylon, type 6/6, black</p> <p><b>Actuator:</b> Nylon, type 6/6, black (blue for MHSS2220 only)</p>	


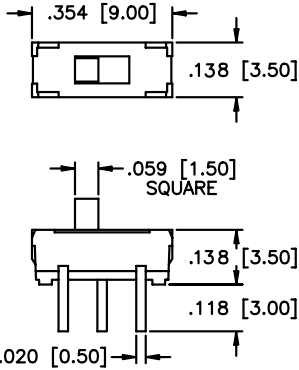
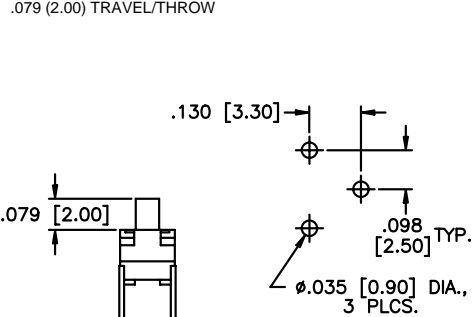
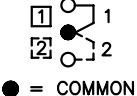

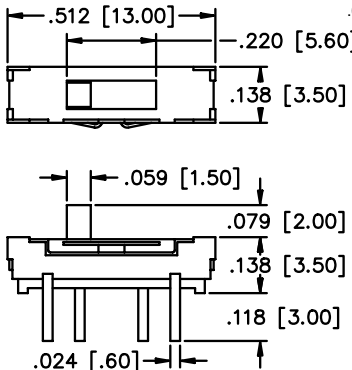
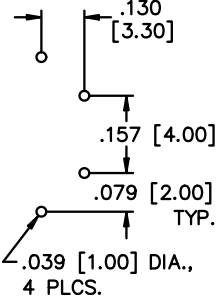
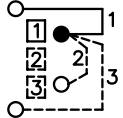

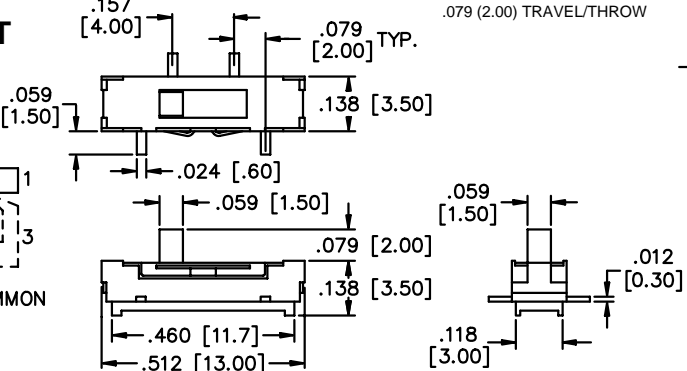
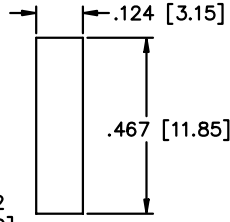
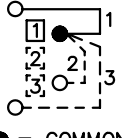
MODEL NO.			
<b>MHSS1104</b>			
 <p>VERTICAL ACTUATOR</p>	<p><b>1P2T</b></p>  <p>● = COMMON</p> <p>SCHMATIC</p>	 <p>MECHANICAL OUTLINE</p>	<p>.079 (2.00) TRAVEL/THROW</p>  <p>P.C. BOARD LAYOUT</p>
<b>MHSS1105</b>			
 <p>RIGHT ANGLE ACTUATOR</p>	<p><b>1P2T</b></p>  <p>● = COMMON</p> <p>SCHMATIC</p>	 <p>MECHANICAL OUTLINE</p>	<p>.079 (2.00) TRAVEL/THROW</p>  <p>P.C. BOARD LAYOUT</p>

# MS Series

## Microminiature Slide Switches

SPECIFICATIONS	FEATURES
<p><b>Contact rating:</b> 300 mA at 6 VDC</p> <p><b>Initial contact resistance:</b> 70 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms max. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 volts RMS at sea level</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -10°C to +60°C</p> <p><b>Solder heat resistance:</b> 260°C max. for 3 seconds</p> <p><b>Washing not recommended</b></p>	<ul style="list-style-type: none"> <li>● <b>Low profile.</b></li> <li>● <b>Insert molded terminals.</b></li> <li>● <b>Stainless steel cover.</b></li> </ul>
	MATERIALS
	<p><b>Contacts &amp; terminals:</b> Silver plated</p> <p><b>Cover:</b> Stainless steel</p> <p><b>Actuator:</b> Thermoplastic</p> <p><b>Base:</b> High temperature thermoplastic    <b>Terminal seal:</b> Insert molded</p>

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

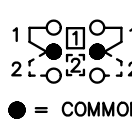
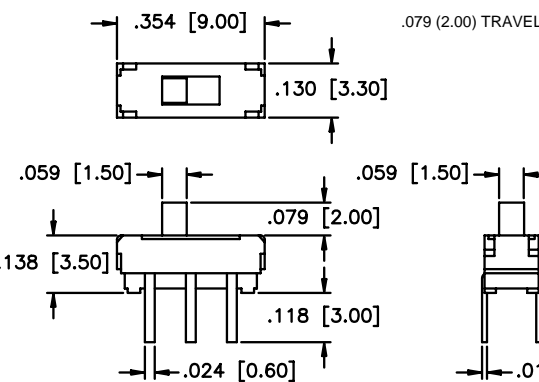
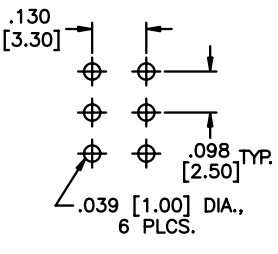
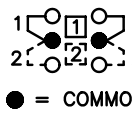
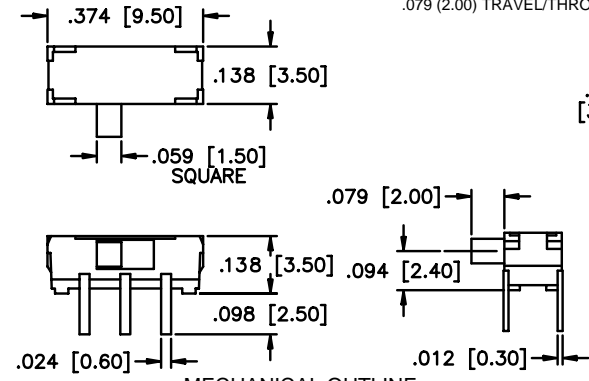
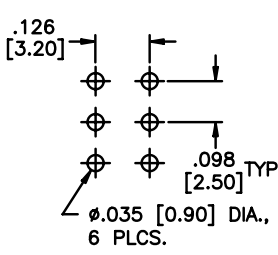
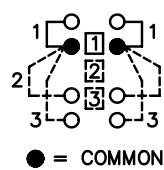
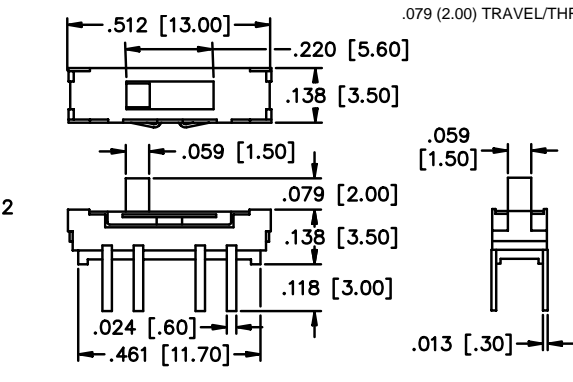
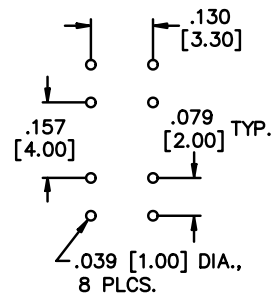
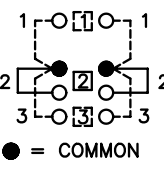
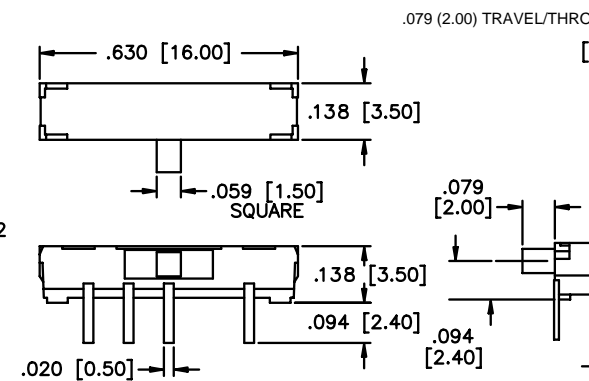
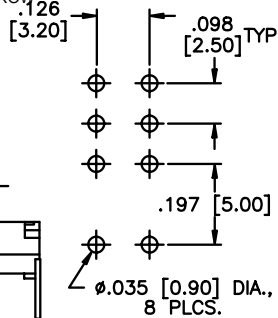
MODEL NO.			
MS12			
	<b>1P2T</b>		
VERTICAL ACTUATOR	 <p>● = COMMON</p>	.079 (2.00) TRAVEL/THROW .138 [3.50] .059 [1.50] SQUARE .118 [3.00] .020 [0.50]	.130 [3.30] .098 [2.50] TYP. .079 [2.00] .012 [0.30] .035 [0.90] DIA., 3 PLCS.
MODEL NO.			
MS13			
	<b>1P3T</b>		
VERTICAL ACTUATOR	 <p>● = COMMON</p>	.079 (2.00) TRAVEL/THROW .220 [5.60] .138 [3.50] .059 [1.50] .079 [2.00] .118 [3.00] .024 [.60]	.130 [3.30] .157 [4.00] .079 [2.00] TYP. .039 [1.00] DIA., 4 PLCS.
MODEL NO.			
MS13S			
	<b>1P3T</b>		
VERTICAL ACTUATOR	 <p>● = COMMON</p>	.079 (2.00) TRAVEL/THROW .138 [3.50] .059 [1.50] .079 [2.00] TYP. .118 [3.00] .024 [.60] .460 [11.7] .512 [13.00]	.124 [3.15] .467 [11.85] .012 [0.30]


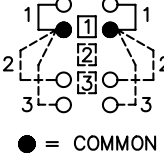
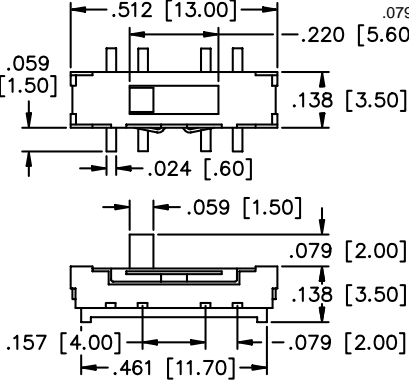
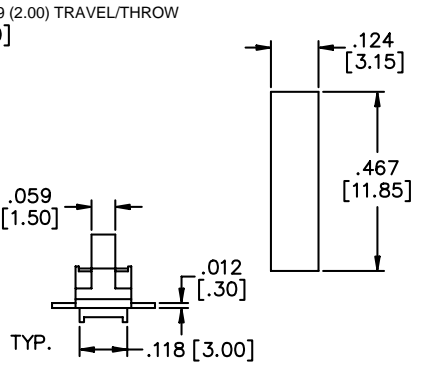

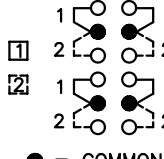
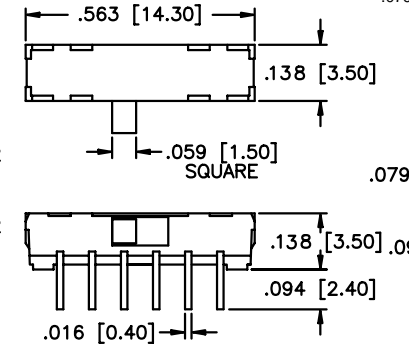
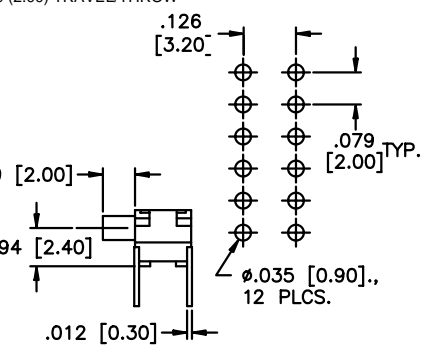


# MS Series

## Microminiature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<p><b>MODEL NO.</b></p> <p><b>MS22</b></p>	<p><b>2P2T</b></p>  <p>● = COMMON</p>	 <p>.079 (2.00) TRAVEL/THROW</p> <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
<p>VERTICAL ACTUATOR</p>	<p>SCHMATIC</p>	<p>MECHANICAL OUTLINE</p>	<p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p> <p><b>MS22R</b></p>	<p><b>2P2T</b></p>  <p>● = COMMON</p>	 <p>.079 (2.00) TRAVEL/THROW</p> <p>SQUARE</p> <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
<p>RIGHT ANGLE ACTUATOR</p>	<p>SCHMATIC</p>	<p>MECHANICAL OUTLINE</p>	<p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p> <p><b>MS23</b></p>	<p><b>2P3T</b></p>  <p>● = COMMON</p>	 <p>.079 (2.00) TRAVEL/THROW</p> <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
<p>VERTICAL ACTUATOR</p>	<p>SCHMATIC</p>	<p>MECHANICAL OUTLINE</p>	<p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p> <p><b>MS23R</b></p>	<p><b>2P3T</b></p>  <p>● = COMMON</p>	 <p>.079 (2.00) TRAVEL/THROW</p> <p>SQUARE</p> <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD CUTOUT</p>
<p>RIGHT ANGLE ACTUATOR</p>	<p>SCHMATIC</p>	<p>MECHANICAL OUTLINE</p>	<p>P.C. BOARD CUTOUT</p>

<b>MODEL NO.</b>			
<b>MS23S</b>			
 <p>VERTICAL ACTUATOR</p>	<p><b>2P3T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD CUTOUT</p>
<b>MODEL NO.</b>			
<b>MS42R</b>			
 <p>RIGHT ANGLE ACTUATOR</p>	<p><b>4P2T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>


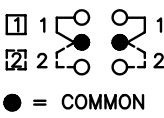
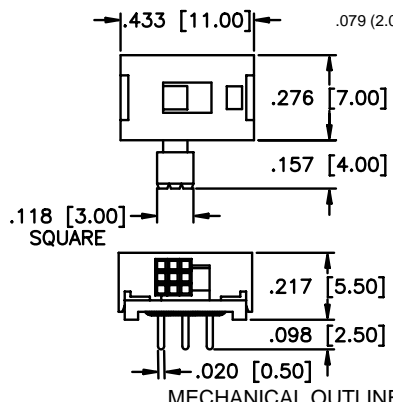
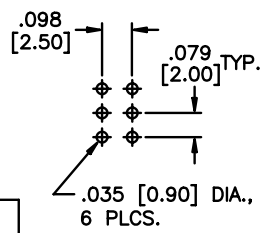

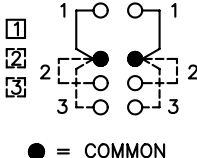
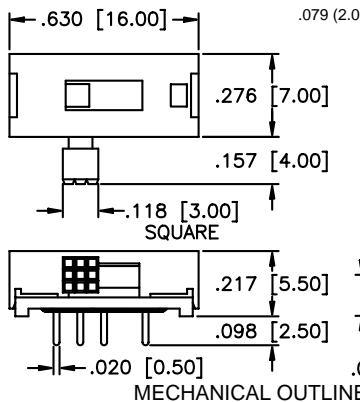
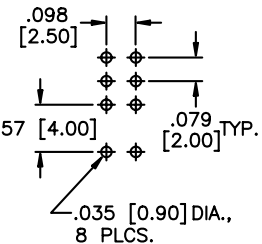

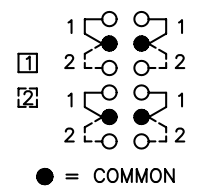
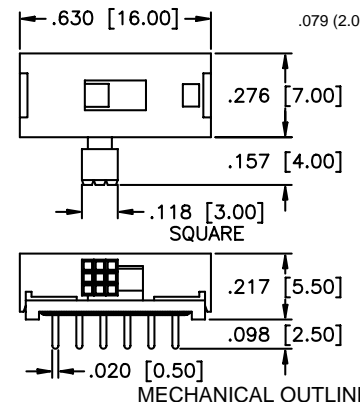
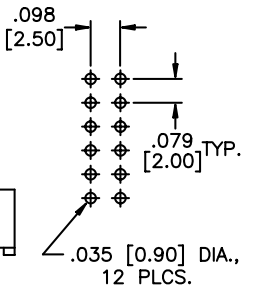
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

# MMS Series

## Microminiature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE


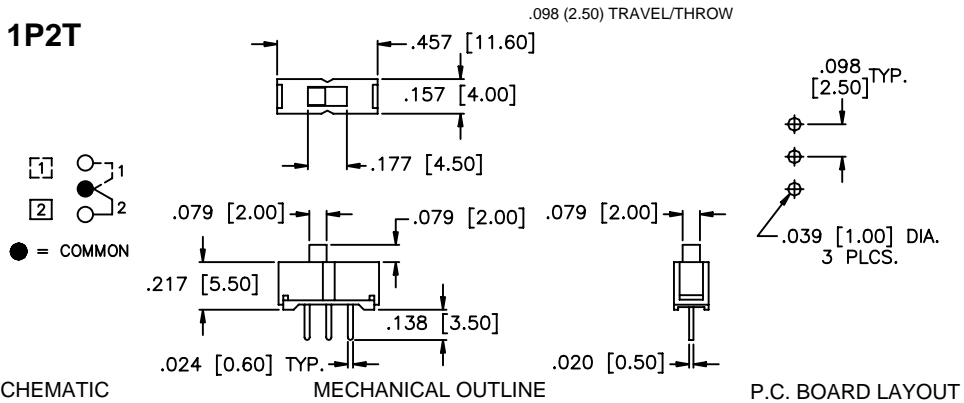

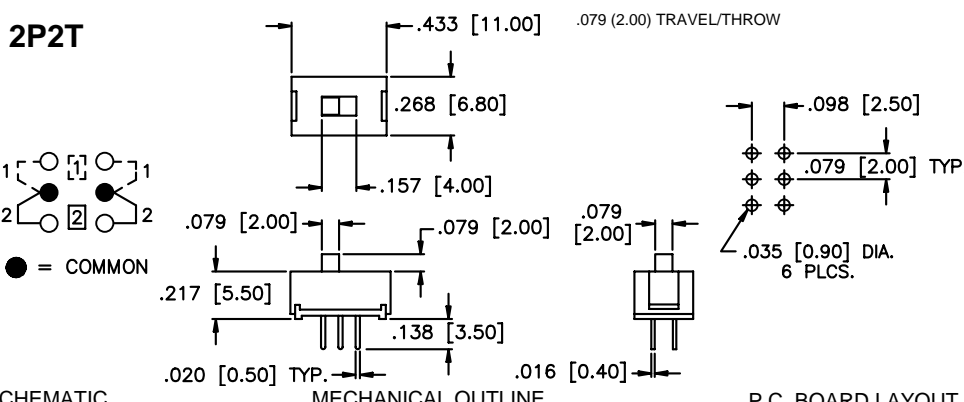

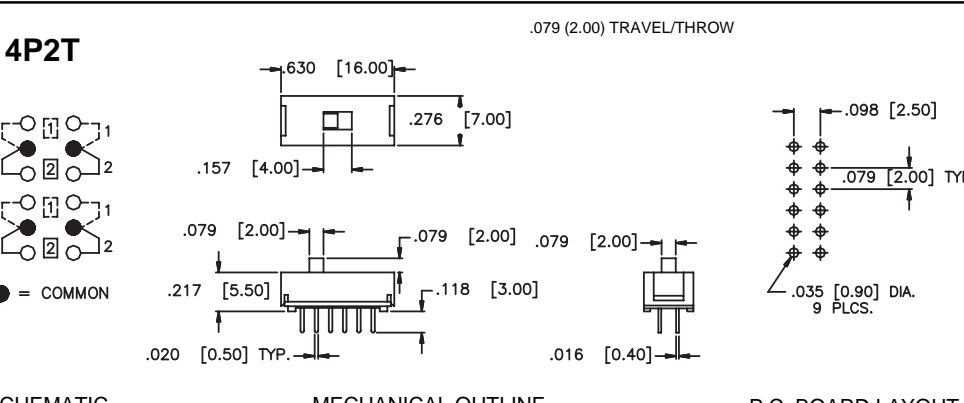

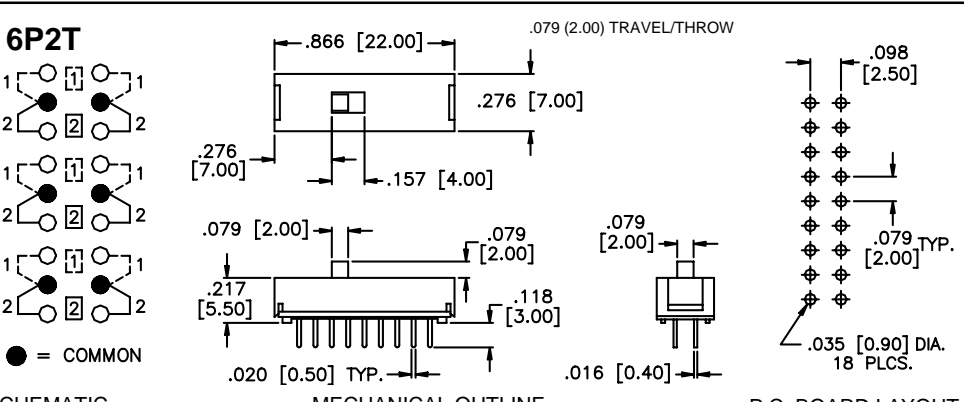
SPECIFICATIONS	FEATURES
<p><b>Contact ratings:</b> 300 mA at 30 VDC</p> <p><b>Initial contact resistance:</b> 25 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 volts RMS for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +70°C</p> <p><b>Solder heat resistance:</b> 255°C max. for 5 seconds max.</p> <p><b>Washing not recommended</b></p>	<ul style="list-style-type: none"> <li><b>Bifurcated wiping contact design.</b></li> <li><b>Low Profile.</b></li> <li><b>Epoxy sealed terminals.</b></li> <li><b>Cosmetic molded case.</b></li> </ul>
MATERIALS	
<p><b>Contacts &amp; terminals:</b> Silver plated</p> <p><b>Case:</b> Polyacetal</p> <p><b>Actuator:</b> PBT                      <b>Base:</b> Glass filled PBT</p> <p><b>Terminal seal:</b> Epoxy or phenol resin</p>	

MODEL NO.			
MMS22R			
	<h3>2P2T</h3>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
RIGHT ANGLE ACTUATOR	SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
MODEL NO.			
MMS23R			
	<h3>2P3T</h3>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
RIGHT ANGLE ACTUATOR	SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
MODEL NO.			
MMS42R			
	<h3>4P2T</h3>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
RIGHT ANGLE ACTUATOR	SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT

# MMS Series

## Microminiature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE


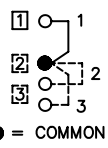
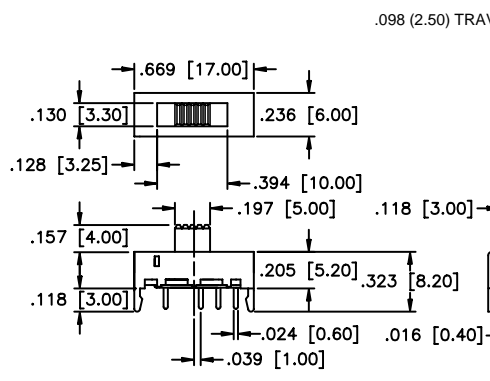
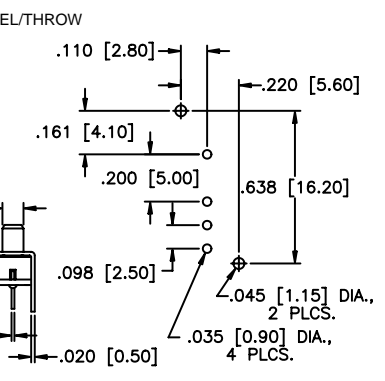

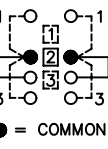
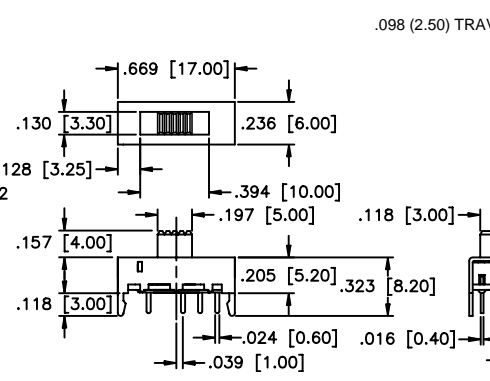
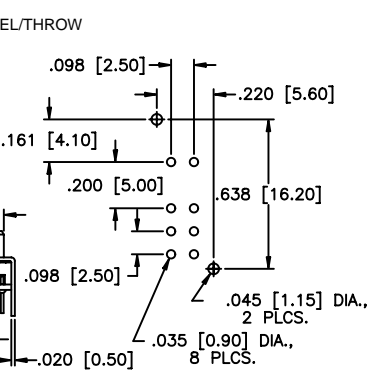
<b>MODEL NO.</b> <b>MMS1208</b>		<p><b>1P2T</b></p> <p style="text-align: right;">.098 (2.50) TRAVEL/THROW</p>  <p>Schematic: Shows a single switch with two terminals. Terminal 1 is common to terminal 2.</p> <p>Mechanical Outline: Dimensions include .457 [11.60] total length, .157 [4.00] actuator length, .177 [4.50] terminal length, .079 [2.00] terminal width, .217 [5.50] body length, .138 [3.50] body width, and .024 [0.60] TYP. lead length.</p> <p>P.C. Board Layout: Shows a 3-pin layout with .098 [2.50] TYP. spacing and .039 [1.00] DIA. 3 PLCS. hole diameter.</p>
<b>MODEL NO.</b> <b>MMS2214</b>		<p><b>2P2T</b></p> <p style="text-align: right;">.079 (2.00) TRAVEL/THROW</p>  <p>Schematic: Shows two switches with two terminals each. Terminal 1 is common to terminal 2 of both switches.</p> <p>Mechanical Outline: Dimensions include .433 [11.00] total length, .268 [6.80] actuator length, .157 [4.00] terminal length, .079 [2.00] terminal width, .217 [5.50] body length, .138 [3.50] body width, and .020 [0.50] TYP. lead length.</p> <p>P.C. Board Layout: Shows a 6-pin layout with .098 [2.50] spacing and .079 [2.00] TYP. pin spacing. Hole diameter is .035 [0.90] DIA. 6 PLCS.</p>
<b>MODEL NO.</b> <b>MMS42</b>		<p><b>4P2T</b></p> <p style="text-align: right;">.079 (2.00) TRAVEL/THROW</p>  <p>Schematic: Shows two switches with two terminals each. Terminal 1 is common to terminal 2 of both switches.</p> <p>Mechanical Outline: Dimensions include .630 [16.00] total length, .276 [7.00] actuator length, .157 [4.00] terminal length, .079 [2.00] terminal width, .217 [5.50] body length, .118 [3.00] body width, and .020 [0.50] TYP. lead length.</p> <p>P.C. Board Layout: Shows a 9-pin layout with .098 [2.50] spacing and .079 [2.00] TYP. pin spacing. Hole diameter is .035 [0.90] DIA. 9 PLCS.</p>
<b>MODEL NO.</b> <b>MMS6202</b>		<p><b>6P2T</b></p> <p style="text-align: right;">.079 (2.00) TRAVEL/THROW</p>  <p>Schematic: Shows two switches with two terminals each. Terminal 1 is common to terminal 2 of both switches.</p> <p>Mechanical Outline: Dimensions include .866 [22.00] total length, .276 [7.00] actuator length, .157 [4.00] terminal length, .079 [2.00] terminal width, .217 [5.50] body length, .118 [3.00] body width, and .020 [0.50] TYP. lead length.</p> <p>P.C. Board Layout: Shows a 18-pin layout with .098 [2.50] spacing and .079 [2.00] TYP. pin spacing. Hole diameter is .035 [0.90] DIA. 18 PLCS.</p>

# MSTS Series

## Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

SPECIFICATIONS	FEATURES
<p><b>Contact rating:</b> 300 mA at 28 VDC</p> <p><b>Initial contact resistance:</b> 20 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 VAC for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +85°C</p> <p><b>Solder heat resistance:</b> 250°C max. for 5 seconds</p> <p><b>Actuation force:</b> 200-600 grams</p> <p><b>Solvent washing permissible</b></p>	<ul style="list-style-type: none"> <li>● <b>Miniature compact size.</b></li> <li>● <b>Wash-through open frame construction.</b></li> <li>● <b>Snap-in p.c. mounting bracket design.</b></li> <li>● <b>Positive spring loaded ball detent mechanism.</b></li> <li>● <b>Epoxy sealed terminals.</b></li> <li>● <b>Gold plated contacts available - consult factory.</b></li> </ul>
	MATERIALS
	<p><b>Contacts &amp; terminals:</b> Silver plated brass</p> <p><b>Housing:</b> Zinc plated steel</p> <p><b>Actuator:</b> Polyacetal, color black</p> <p><b>Base:</b> Phenolic laminated sheet</p> <p style="text-align: right;"><b>Terminal seal:</b> Epoxy</p>

MODEL NO.			
<b>MSTS1332K</b>			
 <p>VERTICAL ACTUATOR</p>	<p><b>1P3T</b></p>  <p>SCHMATIC</p>	<p><b>MECHANICAL OUTLINE</b></p> 	<p><b>P.C. BOARD LAYOUT</b></p> 
MODEL NO.			
<b>MSTS2332K</b>			
 <p>VERTICAL ACTUATOR</p>	<p><b>2P3T</b></p>  <p>SCHMATIC</p>	<p><b>MECHANICAL OUTLINE</b></p> 	<p><b>P.C. BOARD LAYOUT</b></p> 


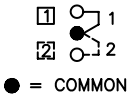
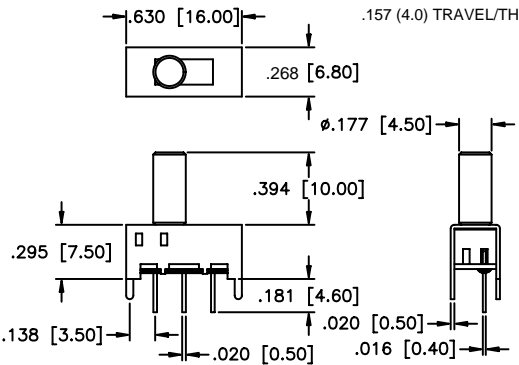
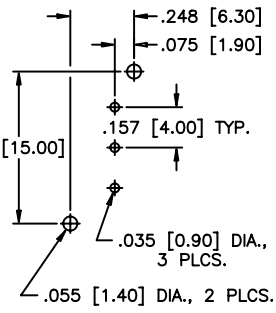
# MHS Series


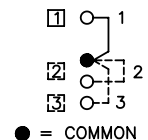
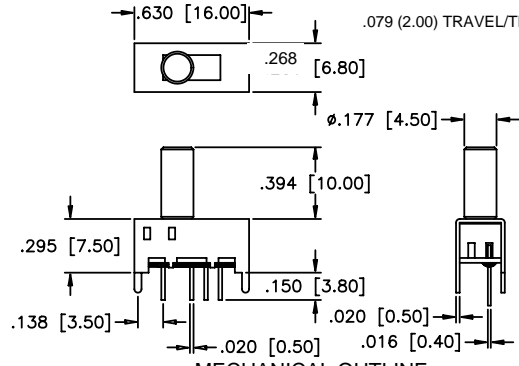
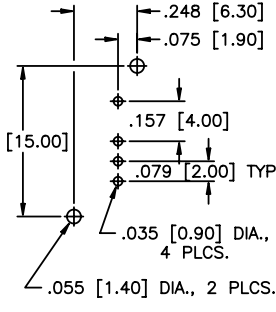
## Miniature Slide Switches

with aluminum actuator

SPECIFICATIONS	FEATURES
<p><b>Contact rating:</b> 300 mA at 30 VDC</p> <p><b>Initial contact resistance:</b> 20 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 VAC for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +85°C</p> <p><b>Solder heat resistance:</b> 260°C max. for 3 seconds</p> <p><b>Actuation force:</b> 250 ±150 grams</p> <p><b>Solvent washing permissible</b></p>	<ul style="list-style-type: none"> <li>Miniature compact size.</li> <li>Wash-through open frame construction.</li> <li>Positive spring loaded ball detent mechanism.</li> <li>Epoxy sealed terminals.</li> </ul>
MATERIALS	
<p><b>Contacts &amp; terminals:</b> Silver plated brass</p> <p><b>Housing:</b> Tin plated steel</p> <p><b>Actuator:</b> Aluminum alloy</p> <p><b>Base:</b> Phenolic laminated sheet</p>	<p><b>Terminal seal:</b> Epoxy</p>

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE


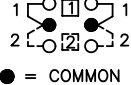
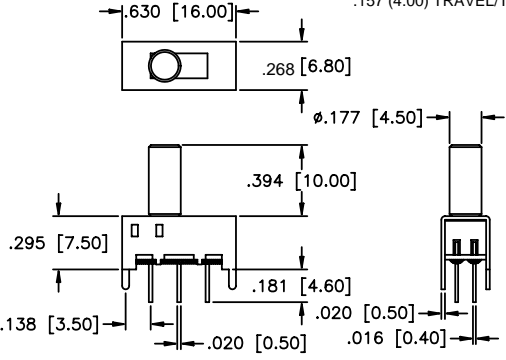
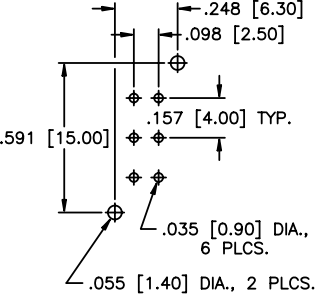

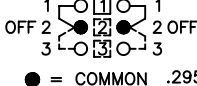
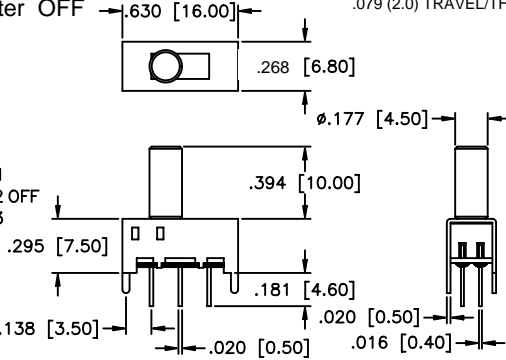
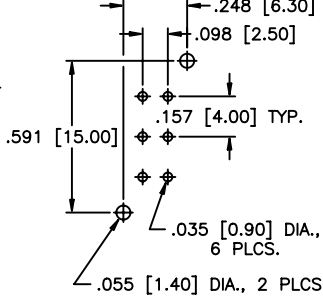

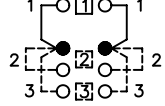
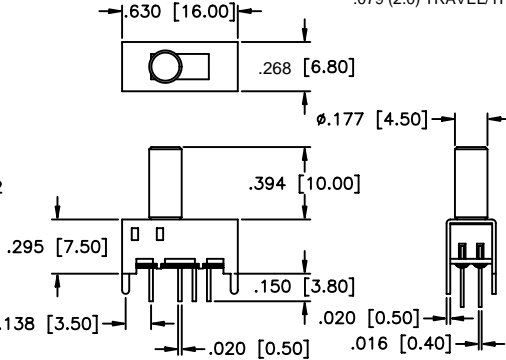
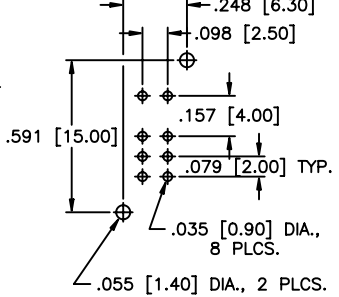
MODEL NO.			
<b>MHS122K</b>	<b>1P2T</b>		
 <p style="text-align: center;">VERTICAL ACTUATOR</p>	 <p style="text-align: center;">SCHEMATIC</p>	 <p style="text-align: center;">MECHANICAL OUTLINE</p>	 <p style="text-align: center;">P.C. BOARD LAYOUT</p>

MODEL NO.			
<b>MHS133K</b>	<b>1P3T</b>		
 <p style="text-align: center;">VERTICAL ACTUATOR</p>	 <p style="text-align: center;">SCHEMATIC</p>	 <p style="text-align: center;">MECHANICAL OUTLINE</p>	 <p style="text-align: center;">P.C. BOARD LAYOUT</p>

# MHS Series Miniature Slide Switches

with aluminum actuator

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<p><b>MODEL NO.</b></p>			
<p><b>MHS222K</b></p>			
 <p>VERTICAL ACTUATOR</p>	<p><b>2P2T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p>			
<p><b>MHS223K</b></p>			
 <p>VERTICAL ACTUATOR</p>	<p><b>2P2T w/center OFF</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p>			
<p><b>MHS233K</b></p>			
 <p>VERTICAL ACTUATOR</p>	<p><b>2P3T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>


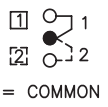
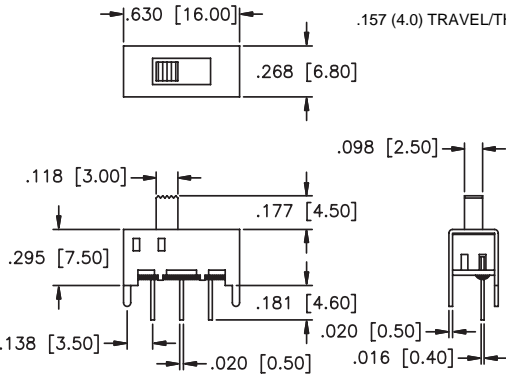
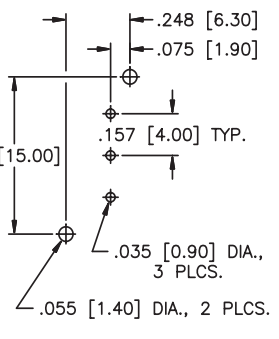

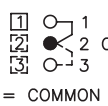
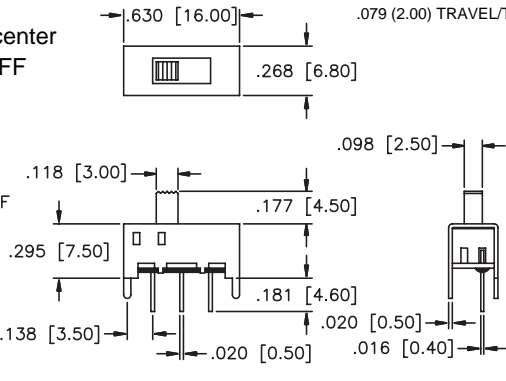
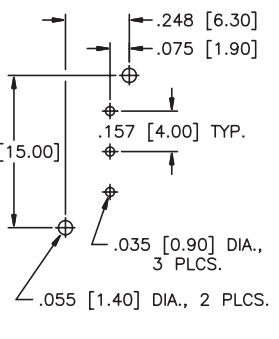

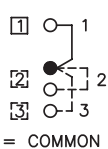
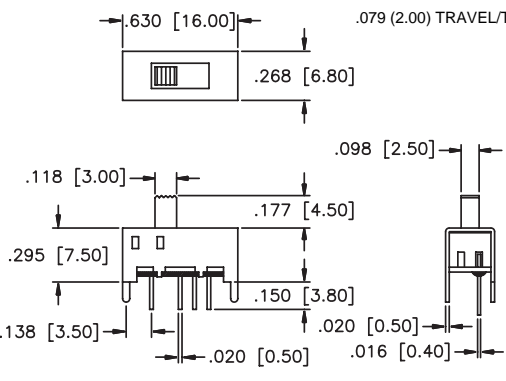
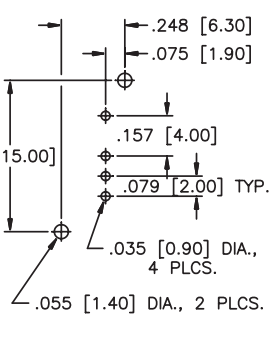
New!

# MHS Series

## Miniature Slide Switches

SPECIFICATIONS	FEATURES
<p><b>Contact rating:</b> 300 mA at 30 VDC</p> <p><b>Initial contact resistance:</b> 20 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 VAC for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +85°C</p> <p><b>Solder heat resistance:</b> 260°C max. for 3 seconds</p> <p><b>Actuation force:</b> 250 ±150 grams</p> <p><b>Solvent washing permissible</b></p>	<ul style="list-style-type: none"> <li>● <b>Miniature compact size.</b></li> <li>● <b>Wash-through open frame construction.</b></li> <li>● <b>Positive spring loaded ball detent mechanism.</b></li> <li>● <b>Epoxy sealed terminals.</b></li> </ul>
	MATERIALS
	<p><b>Contacts &amp; terminals:</b> Silver plated brass</p> <p><b>Housing:</b> Tin plated steel</p> <p><b>Actuator:</b> Polyacetal</p> <p><b>Base:</b> Phenolic laminated sheet</p> <p style="text-align: right;"><b>Terminal seal:</b> Epoxy</p>

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MODEL NO.			
<b>MHS122</b>			
	<p><b>1P2T</b></p>  <p>● = COMMON</p>	 <p>.630 [16.00]      .157 (4.0) TRAVEL/THROW</p> <p>.268 [6.80]</p> <p>.118 [3.00]      .177 [4.50]</p> <p>.098 [2.50]</p> <p>.295 [7.50]      .181 [4.60]</p> <p>.138 [3.50]      .020 [0.50]      .016 [0.40]</p> <p>.591 [15.00]</p> <p>.248 [6.30]</p> <p>.075 [1.90]</p> <p>.157 [4.00] TYP.</p> <p>.035 [0.90] DIA., 3 PLCS.</p> <p>.055 [1.40] DIA., 2 PLCS.</p>	 <p>.248 [6.30]</p> <p>.075 [1.90]</p> <p>.157 [4.00] TYP.</p> <p>.035 [0.90] DIA., 3 PLCS.</p> <p>.055 [1.40] DIA., 2 PLCS.</p>
VERTICAL ACTUATOR	SCHMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
<b>MHS123</b>			
	<p><b>1P2T w/center OFF</b></p>  <p>● = COMMON</p>	 <p>.630 [16.00]      .079 (2.00) TRAVEL/THROW</p> <p>.268 [6.80]</p> <p>.118 [3.00]      .177 [4.50]</p> <p>.098 [2.50]</p> <p>.295 [7.50]      .181 [4.60]</p> <p>.138 [3.50]      .020 [0.50]      .016 [0.40]</p> <p>.591 [15.00]</p> <p>.248 [6.30]</p> <p>.075 [1.90]</p> <p>.157 [4.00] TYP.</p> <p>.035 [0.90] DIA., 3 PLCS.</p> <p>.055 [1.40] DIA., 2 PLCS.</p>	 <p>.248 [6.30]</p> <p>.075 [1.90]</p> <p>.157 [4.00] TYP.</p> <p>.035 [0.90] DIA., 3 PLCS.</p> <p>.055 [1.40] DIA., 2 PLCS.</p>
VERTICAL ACTUATOR	SCHMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
<b>MHS133</b>			
	<p><b>1P3T</b></p>  <p>● = COMMON</p>	 <p>.630 [16.00]      .079 (2.00) TRAVEL/THROW</p> <p>.268 [6.80]</p> <p>.118 [3.00]      .177 [4.50]</p> <p>.098 [2.50]</p> <p>.295 [7.50]      .150 [3.80]</p> <p>.138 [3.50]      .020 [0.50]      .016 [0.40]</p> <p>.591 [15.00]</p> <p>.248 [6.30]</p> <p>.075 [1.90]</p> <p>.157 [4.00]</p> <p>.079 [2.00] TYP.</p> <p>.035 [0.90] DIA., 4 PLCS.</p> <p>.055 [1.40] DIA., 2 PLCS.</p>	 <p>.248 [6.30]</p> <p>.075 [1.90]</p> <p>.157 [4.00]</p> <p>.079 [2.00] TYP.</p> <p>.035 [0.90] DIA., 4 PLCS.</p> <p>.055 [1.40] DIA., 2 PLCS.</p>
VERTICAL ACTUATOR	SCHMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT

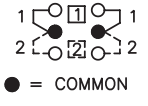

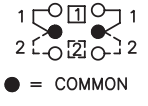
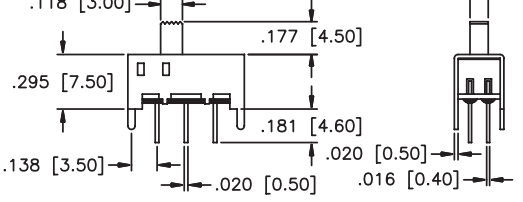
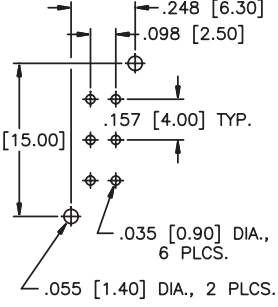
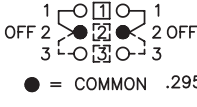

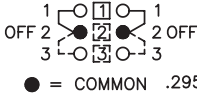
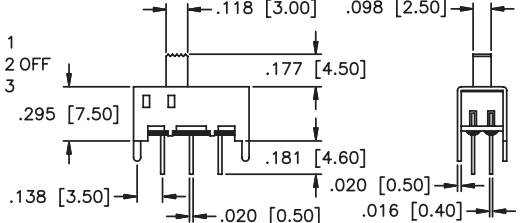
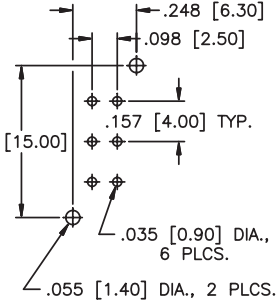
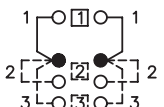

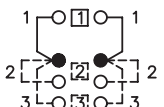
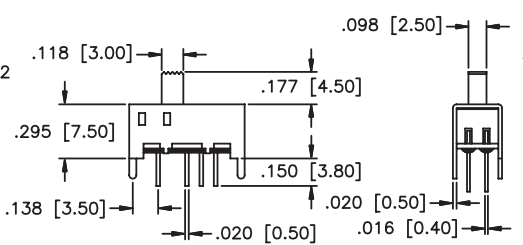
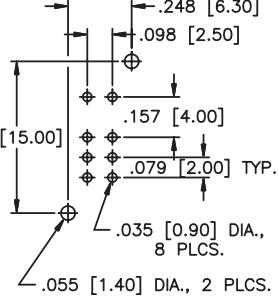


# MHS Series

## Miniature Slide Switches

New!

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE


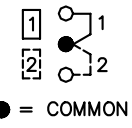
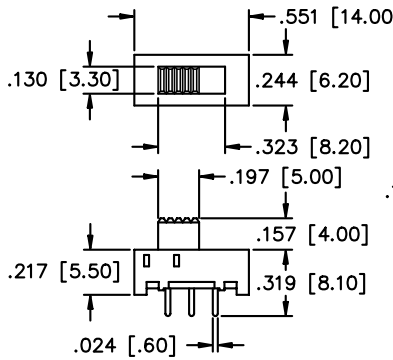
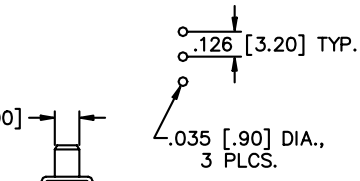

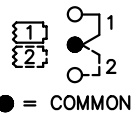
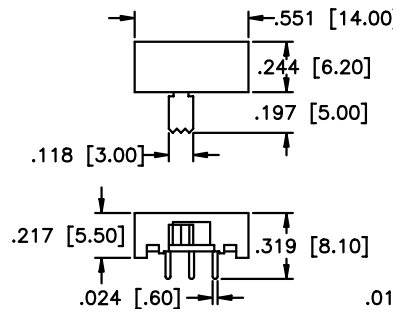
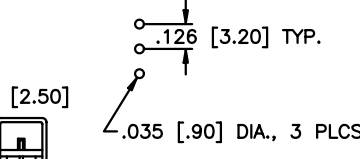
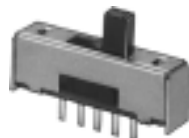
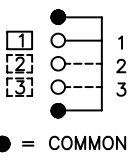
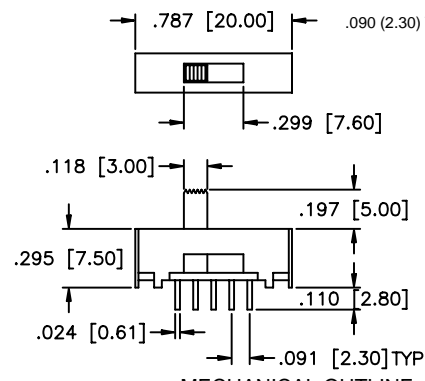
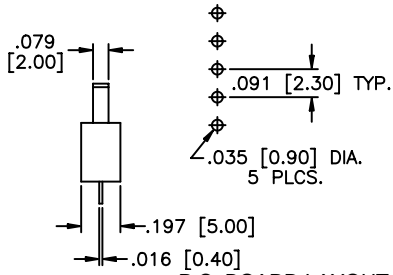
<p><b>MODEL NO.</b></p>	<p><b>2P2T</b> <span style="float: right;">.157 (4.00) TRAVEL/THROW</span></p>		
<p><b>MHS222</b></p>			
 <p>VERTICAL ACTUATOR</p>	 <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p>	<p><b>2P2T w/center OFF</b> <span style="float: right;">.079 (2.0) TRAVEL/THROW</span></p>		
<p><b>MHS223</b></p>			
 <p>VERTICAL ACTUATOR</p>	 <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p>	<p><b>2P3T</b> <span style="float: right;">.079 (2.0) TRAVEL/THROW</span></p>		
<p><b>MHS233</b></p>			
 <p>VERTICAL ACTUATOR</p>	 <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>

# SLB Series

(with p.c. board stand-off bracket)

## Miniature Slide Switches

SPECIFICATIONS	FEATURES
<p><b>Contact ratings:</b> 300 mA at 125 VAC or 30 VDC</p> <p><b>Initial contact resistance:</b> 20 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 volts RMS for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +85°C</p> <p><b>Actuation force:</b> 220g ± 100g</p> <p><b>Solder heat resistance:</b> 260°C max. for 3 seconds</p> <p><b>Solvent washing permissible</b></p>	<ul style="list-style-type: none"> <li>● <b>Miniature compact size.</b></li> <li>● <b>Wash-through open frame construction.</b></li> <li>● <b>Positive spring loaded ball detent mechanism.</b></li> <li>● <b>Epoxy sealed terminals.</b></li> </ul>
	MATERIALS
	<p><b>Contacts &amp; terminals:</b> Silver plated</p> <p><b>Frame:</b> Zinc plated steel</p> <p><b>Actuator:</b> Thermoplastic</p> <p><b>Base:</b> Phenolic laminated sheet</p> <p style="text-align: right;"><b>Terminal seal:</b> Epoxy</p>

MODEL NO.			
<b>SLB12814</b>			
 <p>VERTICAL ACTUATOR</p>	<p><b>1P2T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
<b>SLB1281R5</b>			
 <p>RIGHT ANGLE ACTUATOR</p>	<p><b>1P2T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
<b>SLB1370</b>			
 <p>VERTICAL ACTUATOR</p>	<p><b>1P3T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

# SLB Series

(with p.c. board stand-off bracket)

## Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE


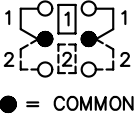

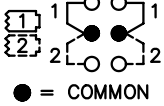

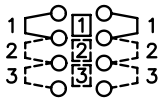

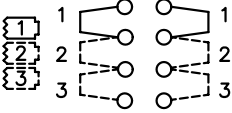
<p><b>MODEL NO.</b></p>	<p><b>1P3T</b></p> <p style="text-align: right;">.126 (3.20) TRAVEL/THROW</p>
<p><b>SLB13814</b></p>	
<p>VERTICAL ACTUATOR</p>	<p>SCHMATIC</p> <p>MECHANICAL OUTLINE</p> <p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p>	<p><b>1P3T</b></p> <p style="text-align: right;">.126 (3.20) TRAVEL/THROW</p>
<p><b>SLB1381R5</b></p>	
<p>RIGHT ANGLE ACTUATOR</p>	<p>SCHMATIC</p> <p>MECHANICAL OUTLINE</p> <p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p>	<p><b>1P4T</b></p> <p style="text-align: right;">.090 (2.30) TRAVEL/THROW</p>
<p><b>SLB1470</b></p>	
<p>VERTICAL ACTUATOR</p>	<p>SCHMATIC</p> <p>MECHANICAL OUTLINE</p> <p>P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b></p>	<p><b>1P5T</b></p> <p style="text-align: right;">.090 (2.30) TRAVEL/THROW</p>
<p><b>SLB1570</b></p>	
<p>VERTICAL ACTUATOR</p>	<p>SCHMATIC</p> <p>MECHANICAL OUTLINE</p> <p>P.C. BOARD LAYOUT</p>

# SLB Series

(with p.c. board stand-off bracket)

## Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<b>MODEL NO.</b> <b>SLB22814</b>	<b>2P2T</b>		
 VERTICAL ACTUATOR	 SCHEMATIC		
<b>MODEL NO.</b> <b>SLB2281R5</b>	<b>2P2T</b>		
 RIGHT ANGLE ACTUATOR	 SCHEMATIC		
<b>MODEL NO.</b> <b>SLB23814</b>	<b>2P3T</b>		
 VERTICAL ACTUATOR	 SCHEMATIC		
<b>MODEL NO.</b> <b>SLB2381R5</b>	<b>2P3T</b>		
 RIGHT ANGLE ACTUATOR	 SCHEMATIC		

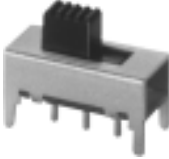
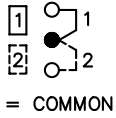
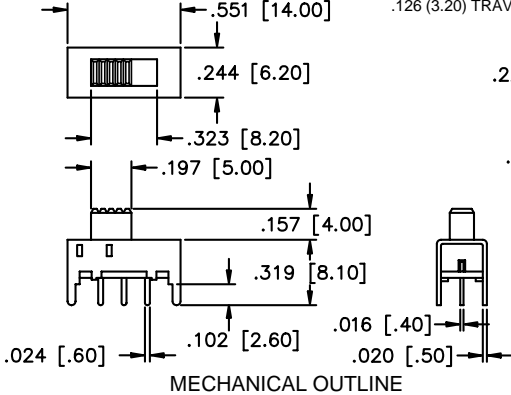
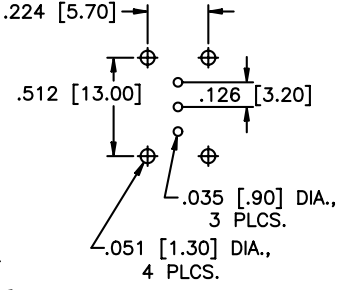
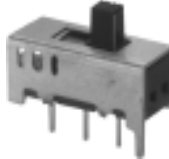
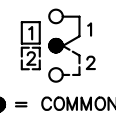
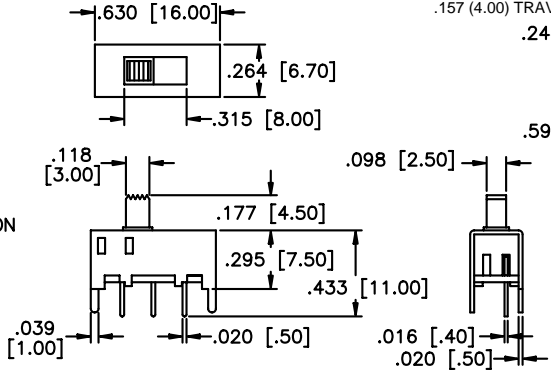
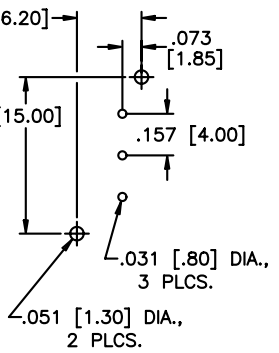

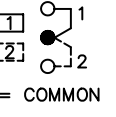
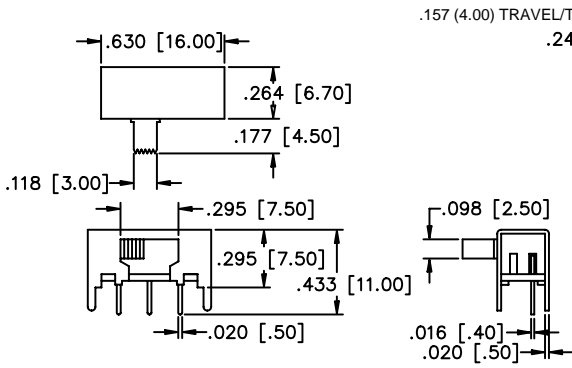
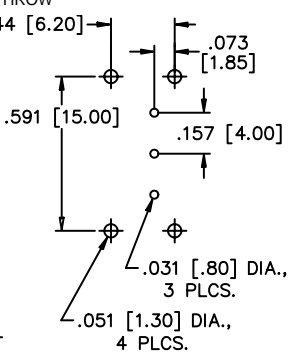
# SLB Series

(with thru- p.c. board hole mounting bracket)

## Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE


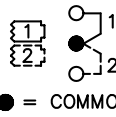
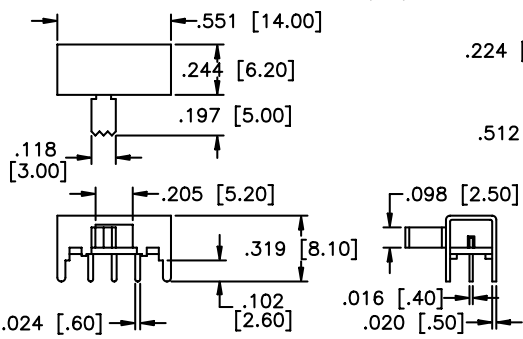
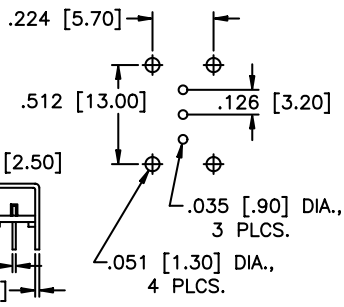

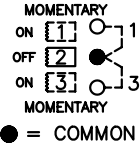
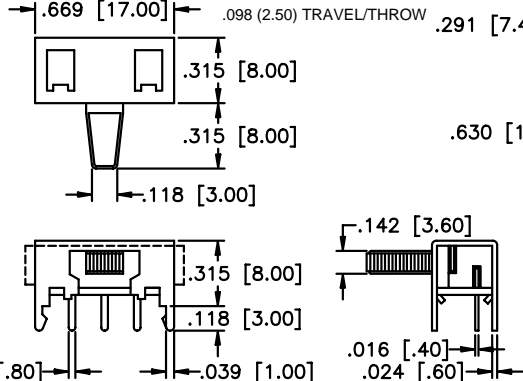
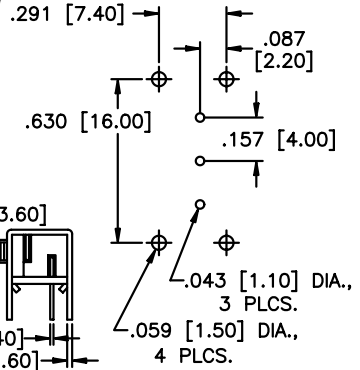
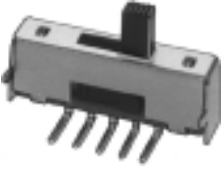
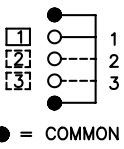
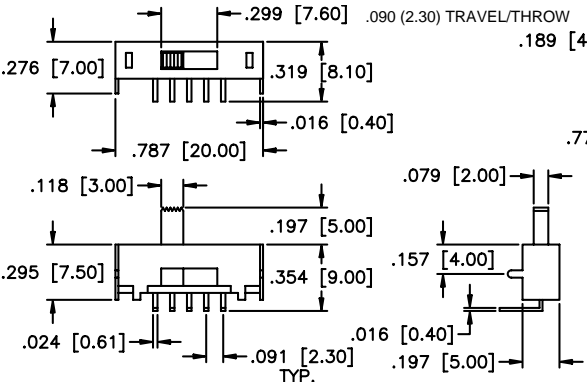
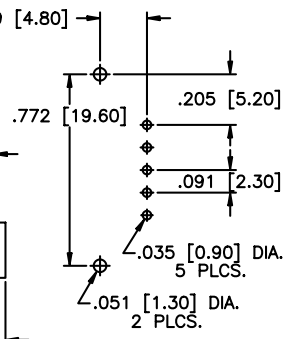

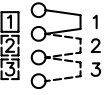
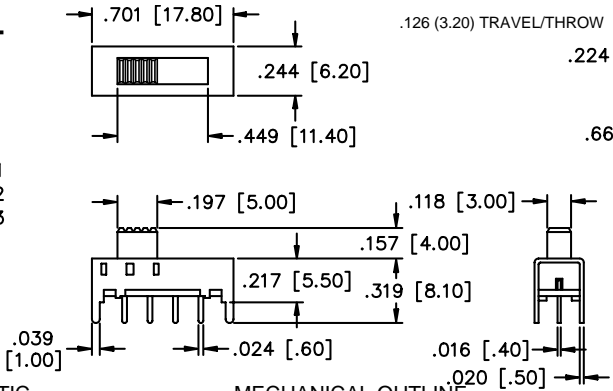
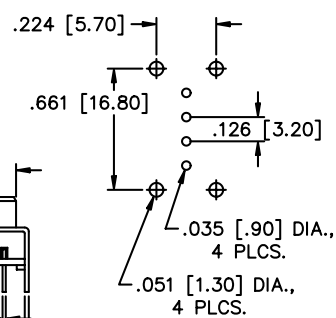
SPECIFICATIONS	FEATURES
<p><b>Contact ratings:</b> 300 mA at 125 VAC or 30 VDC</p> <p><b>Initial contact resistance:</b> 20 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 volts RMS for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +85°C</p> <p><b>Actuation force:</b> 220g ± 100g</p> <p><b>Solder heat resistance:</b> 260°C max. for 3 seconds</p> <p><b>Solvent washing permissible</b></p>	<ul style="list-style-type: none"> <li>● <b>Miniature compact size.</b></li> <li>● <b>Wash-through open frame construction.</b></li> <li>● <b>Positive spring loaded ball detent mechanism.</b></li> <li>● <b>Epoxy sealed terminals.</b></li> </ul>
	MATERIALS
	<p><b>Contacts &amp; terminals:</b> Silver plated</p> <p><b>Frame:</b> Zinc plated steel</p> <p><b>Actuator:</b> Thermoplastic</p> <p><b>Base:</b> Phenolic laminated sheet</p> <p style="text-align: right;"><b>Terminal seal:</b> Epoxy</p>

MODEL NO.			
<b>SLB12804</b>			
	<p><b>1P2T</b></p>  <p>● = COMMON</p>	<p><b>MECHANICAL OUTLINE</b></p> 	<p><b>P.C. BOARD LAYOUT</b></p> 
MODEL NO.			
<b>SLB124145</b>			
	<p><b>1P2T</b></p>  <p>● = COMMON</p>	<p><b>MECHANICAL OUTLINE</b></p> 	<p><b>P.C. BOARD LAYOUT</b></p> 
MODEL NO.			
<b>SLB1240R45</b>			
	<p><b>1P2T</b></p>  <p>● = COMMON</p>	<p><b>MECHANICAL OUTLINE</b></p> 	<p><b>P.C. BOARD LAYOUT</b></p> 

# SLB Series

(with thru-p.c. board hole mounting bracket)

## Miniature Slide Switches




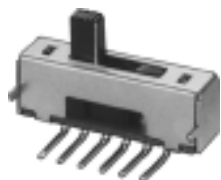
<p><b>MODEL NO.</b></p> <p><b>SLB1280R5</b></p>  <p>RIGHT ANGLE ACTUATOR</p>	<p style="text-align: right;"><small>.126 (3.20) TRAVEL/THROW</small></p> <p><b>1P2T</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>● = COMMON</p> </div> <div style="width: 35%;">  <p>MECHANICAL OUTLINE</p> </div> <div style="width: 30%;">  <p>P.C. BOARD LAYOUT</p> </div> </div>
<p><b>MODEL NO.</b></p> <p><b>SLB1250R8</b></p>  <p>RIGHT ANGLE ACTUATOR</p>	<p style="text-align: right;"><small>.098 (2.50) TRAVEL/THROW</small></p> <p><b>1P2T</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>MOMENTARY ON [1] OFF [2] ON [3] MOMENTARY</p> <p>● = COMMON</p> </div> <div style="width: 35%;">  <p>MECHANICAL OUTLINE</p> </div> <div style="width: 30%;">  <p>P.C. BOARD LAYOUT</p> </div> </div>
<p><b>MODEL NO.</b></p> <p><b>SLB1370R</b></p>  <p>RIGHT ANGLE ACTUATOR</p>	<p style="text-align: right;"><small>.090 (2.30) TRAVEL/THROW</small></p> <p><b>1P3T</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>● = COMMON</p> </div> <div style="width: 35%;">  <p>MECHANICAL OUTLINE</p> </div> <div style="width: 30%;">  <p>P.C. BOARD LAYOUT</p> </div> </div>
<p><b>MODEL NO.</b></p> <p><b>SLB13804</b></p>  <p>VERTICAL ACTUATOR</p>	<p style="text-align: right;"><small>.126 (3.20) TRAVEL/THROW</small></p> <p><b>1P3T</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 35%;">  <p>MECHANICAL OUTLINE</p> </div> <div style="width: 30%;">  <p>P.C. BOARD LAYOUT</p> </div> </div>

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

# SLB Series

(with thru-p.c. board hole mounting bracket)  
Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

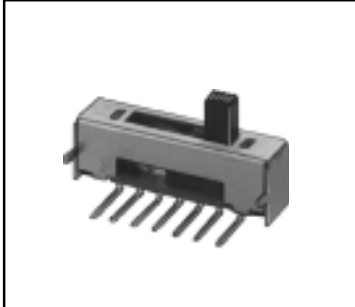
<p><b>MODEL NO.</b> <b>SLB134145</b></p>	<p><b>1P3T</b></p>  <p>VERTICAL ACTUATOR</p> <p><b>Schematic:</b> 1P3T circuit diagram with terminals 1, 2, 3. Terminal 2 is marked as COMMON.</p> <p><b>Mechanical Outline:</b> Dimensions include .630 [16.00] total width, .079 (2.00) TRAVEL/THROW, .264 [6.70] actuator height, .315 [8.00] terminal spacing, .118 [3.00] terminal offset, .177 [4.50] internal width, .295 [7.50] body height, .433 [11.00] total height, .098 [2.50] terminal height, .020 [0.50] lead length, .016 [.40] lead diameter.</p> <p><b>P.C. BOARD LAYOUT:</b> Dimensions include .244 [6.20] mounting hole offset, .073 [1.85] hole diameter, .157 [4.00] hole spacing, .079 [2.00] TYP. hole diameter, .031 [.80] DIA., 4 PLCS. hole diameter, .051 [1.30] DIA., 2 PLCS. hole diameter.</p>
<p><b>MODEL NO.</b> <b>SLB1340R45</b></p>	<p><b>1P3T</b></p>  <p>RIGHT ANGLE ACTUATOR</p> <p><b>Schematic:</b> 1P3T circuit diagram with terminals 1, 2, 3. Terminal 2 is marked as COMMON.</p> <p><b>Mechanical Outline:</b> Dimensions include .630 [16.00] total width, .079 (2.00) TRAVEL/THROW, .264 [6.70] actuator height, .177 [4.50] internal width, .118 [3.00] terminal offset, .295 [7.50] body height, .433 [11.00] total height, .098 [2.50] terminal height, .039 [1.00] lead length, .020 [0.50] lead length, .016 [.40] lead diameter.</p> <p><b>P.C. BOARD LAYOUT:</b> Dimensions include .244 [6.20] mounting hole offset, .073 [1.85] hole diameter, .157 [4.00] hole spacing, .079 [2.00] TYP. hole diameter, .031 [.80] DIA., 4 PLCS. hole diameter, .051 [1.30] DIA., 4 PLCS. hole diameter.</p>
<p><b>MODEL NO.</b> <b>SLB1380R5</b></p>	<p><b>1P3T</b></p>  <p>RIGHT ANGLE ACTUATOR</p> <p><b>Schematic:</b> 1P3T circuit diagram with terminals 1, 2, 3.</p> <p><b>Mechanical Outline:</b> Dimensions include .701 [17.80] total width, .126 (3.20) TRAVEL/THROW, .244 [6.20] actuator height, .197 [5.00] internal width, .118 [3.00] terminal offset, .217 [5.50] body height, .319 [8.10] total height, .039 [1.00] lead length, .024 [.60] lead length, .102 [2.60] lead length, .098 [2.50] terminal height, .016 [.40] lead diameter.</p> <p><b>P.C. BOARD LAYOUT:</b> Dimensions include .224 [5.70] mounting hole offset, .661 [16.80] hole diameter, .126 [3.20] hole spacing, .035 [.90] DIA., 4 PLCS. hole diameter, .051 [1.30] DIA., 4 PLCS. hole diameter.</p>
<p><b>MODEL NO.</b> <b>SLB1470R</b></p>	<p><b>1P4T</b></p>  <p>RIGHT ANGLE ACTUATOR</p> <p><b>Schematic:</b> 1P4T circuit diagram with terminals 1, 2, 3, 4. Terminal 2 is marked as COMMON.</p> <p><b>Mechanical Outline:</b> Dimensions include .390 [9.90] total width, .090 (2.30) TRAVEL/THROW, .276 [7.00] actuator height, .319 [8.10] internal width, .016 [0.40] terminal offset, .118 [3.00] terminal offset, .197 [5.00] body height, .787 [20.00] total height, .295 [7.50] total height, .354 [9.00] total height, .024 [0.61] lead length, .091 [2.30] TYP. lead length, .016 [0.40] lead length, .079 [2.00] terminal height, .157 [4.00] terminal height, .016 [0.40] lead diameter.</p> <p><b>P.C. BOARD LAYOUT:</b> Dimensions include .189 [4.80] mounting hole offset, .159 [4.05] hole spacing, .772 [19.60] hole diameter, .091 [2.30] TYP. hole diameter, .035 [.90] DIA., 6 PLCS. hole diameter, .051 [1.30] DIA., 2 PLCS. hole diameter.</p>

# SLB Series

(with thru-p.c. board hole mounting bracket)  
Miniature Slide Switches

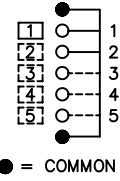
**MODEL NO.**

**SLB1570R**

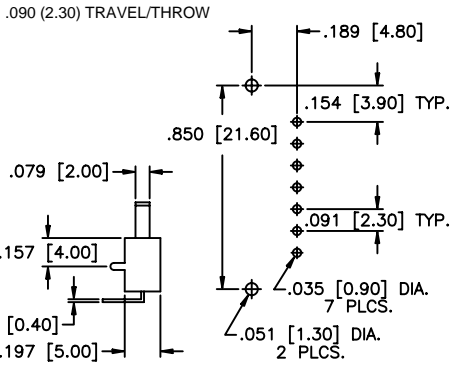
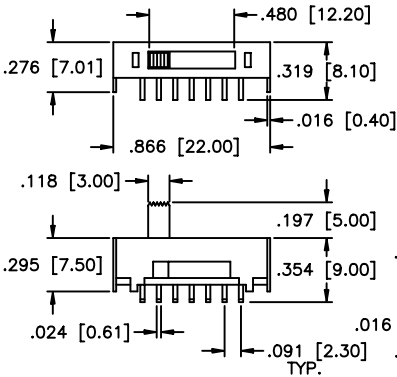


RIGHT ANGLE ACTUATOR

**1P5T**

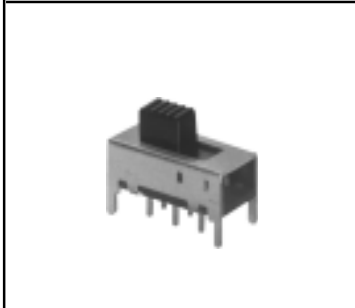


SCHEMATIC



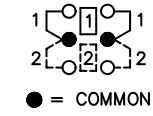
**MODEL NO.**

**SLB22804**

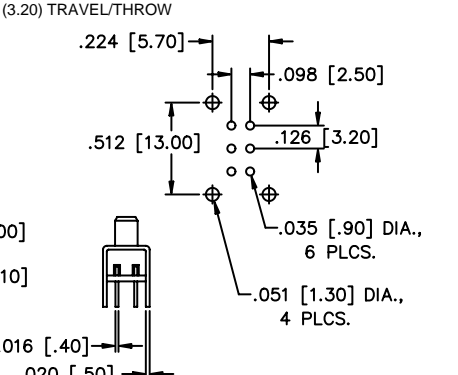
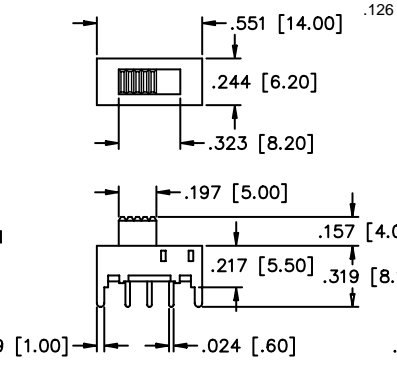


VERTICAL ACTUATOR

**2P2T**

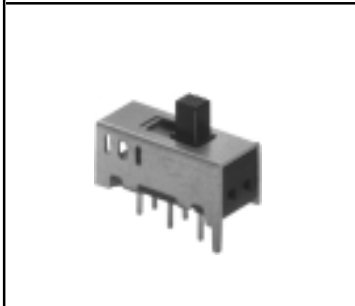


SCHEMATIC



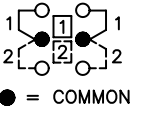
**MODEL NO.**

**SLB224145**

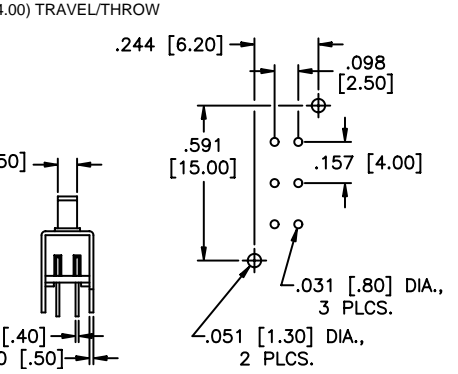
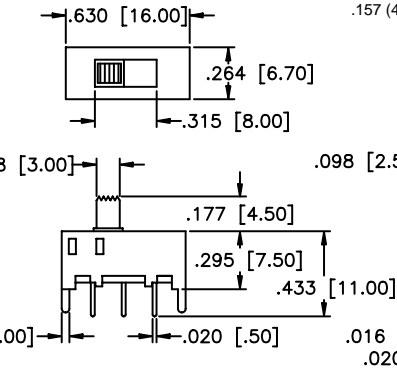


VERTICAL ACTUATOR

**2P2T**

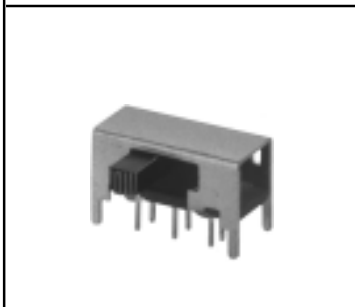


SCHEMATIC



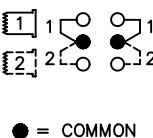
**MODEL NO.**

**SLB2240R45**

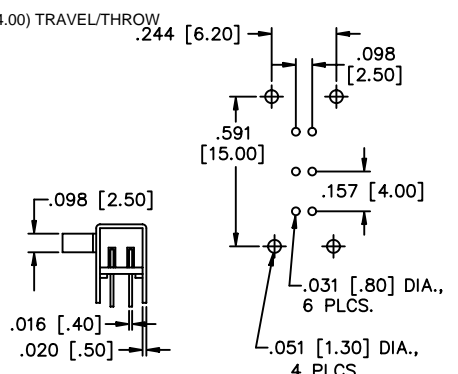
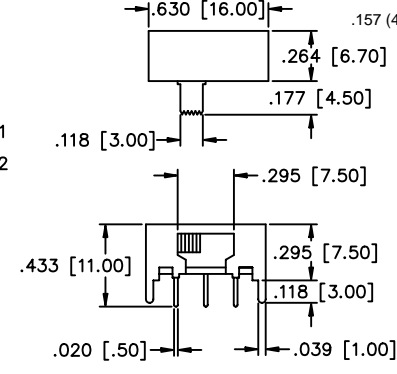


RIGHT ANGLE ACTUATOR

**2P2T**



SCHEMATIC




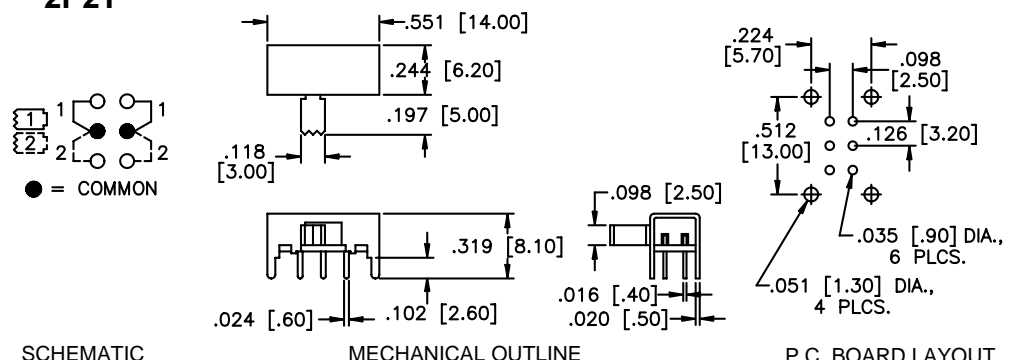

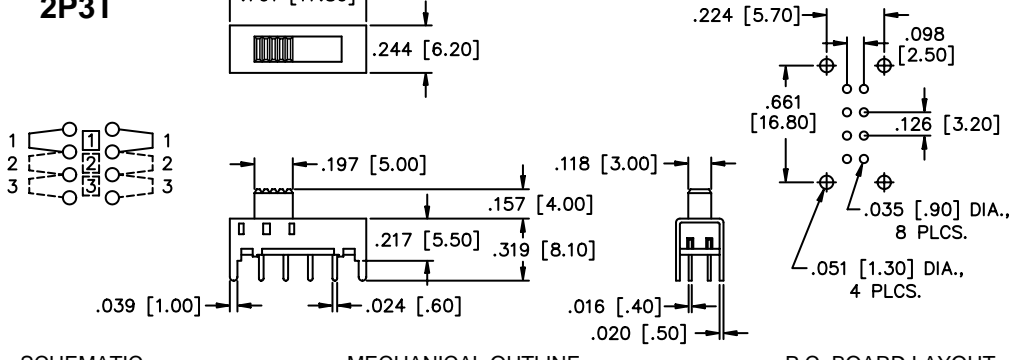
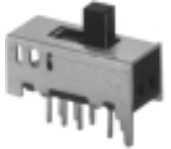
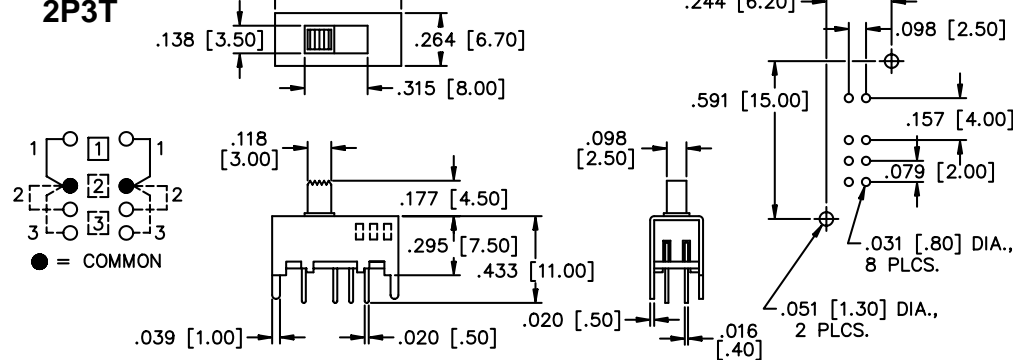

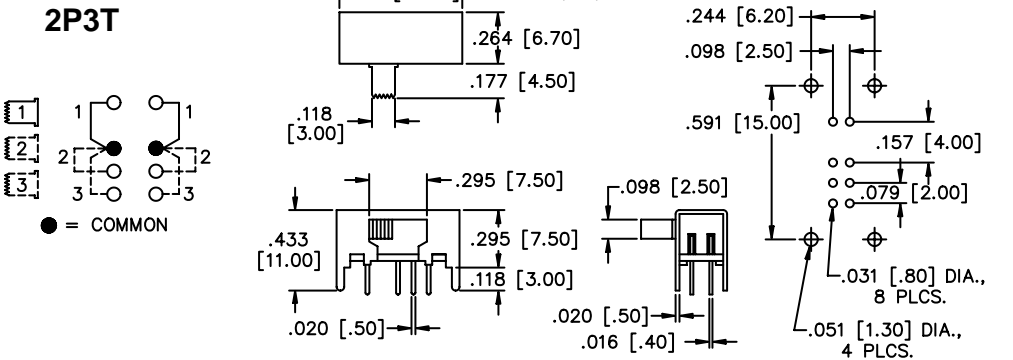
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



# SLB Series

(with thru-p.c. board hole mounting bracket)  
Miniature Slide Switches



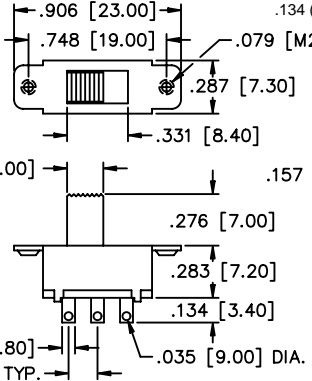
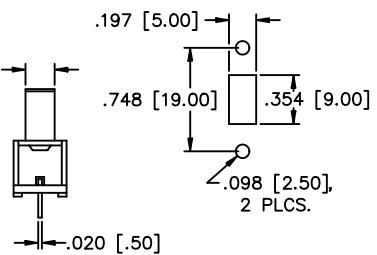


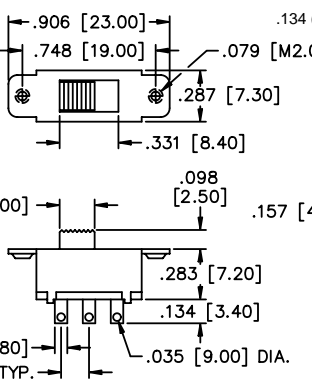
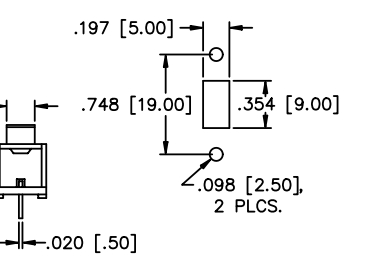
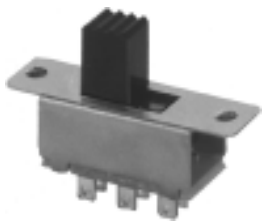
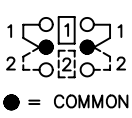
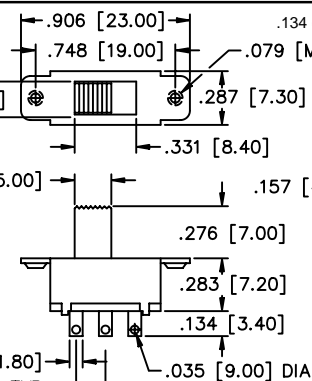
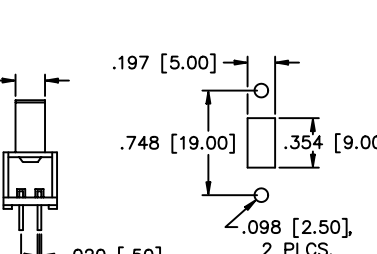
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<p><b>MODEL NO.</b> <b>SLB2280R5</b></p>  <p>RIGHT ANGLE ACTUATOR</p>	<p><b>2P2T</b></p> <p style="text-align: right;">.126 (3.20) TRAVEL/THROW</p>  <p>SCHMATIC      MECHANICAL OUTLINE      P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b> <b>SLB23804</b></p>  <p>VERTICAL ACTUATOR</p>	<p><b>2P3T</b></p> <p style="text-align: right;">.126 (3.20) TRAVEL/THROW</p>  <p>SCHMATIC      MECHANICAL OUTLINE      P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b> <b>SLB234145</b></p>  <p>VERTICAL ACTUATOR</p>	<p><b>2P3T</b></p> <p style="text-align: right;">.126 (3.20) TRAVEL/THROW</p>  <p>SCHMATIC      MECHANICAL OUTLINE      P.C. BOARD LAYOUT</p>
<p><b>MODEL NO.</b> <b>SLB2340R45</b></p>  <p>RIGHT ANGLE ACTUATOR</p>	<p><b>2P3T</b></p> <p style="text-align: right;">.079 (2.00) TRAVEL/THROW</p>  <p>SCHMATIC      MECHANICAL OUTLINE      P.C. BOARD LAYOUT</p>

# SLC Series

## Miniature Slide Switches

SPECIFICATIONS	FEATURES
<p><b>Contact ratings:</b> 300 mA at 125 VAC or 30 VDC</p> <p><b>Initial contact resistance:</b> 20 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 volts RMS for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +85°C</p> <p><b>Actuation force:</b> 220g ± 100g</p> <p><b>Solder heat resistance:</b> 260°C max. for 3 seconds</p> <p><b>Solvent washing permissible</b></p>	<ul style="list-style-type: none"> <li>● <b>Panel mounting with solder lug terminals.</b></li> <li>● <b>Wash-through open frame construction.</b></li> <li>● <b>Positive spring loaded ball detent mechanism.</b></li> </ul>
MATERIALS	
<p><b>Contacts &amp; terminals:</b> Silver plated</p> <p><b>Frame:</b> Zinc plated steel</p> <p><b>Actuator:</b> Thermoplastic</p> <p><b>Base:</b> Phenolic laminated sheet</p>	

<p style="background-color: #f8d7da; margin: 0; padding: 2px;"><b>MODEL NO.</b></p> <p style="margin: 0; padding: 2px;"><b>SLC12007</b></p>	<div style="text-align: center;">  </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p><b>1P2T</b></p>  <p>● = COMMON</p> <p style="font-size: small;">SCHEMATIC</p> </div> <div style="text-align: center;">  <p style="font-size: x-small;">MECHANICAL OUTLINE</p> </div> <div style="text-align: center;">  <p style="font-size: x-small;">PANEL CUTOUT</p> </div> </div>
<p style="background-color: #f8d7da; margin: 0; padding: 2px;"><b>MODEL NO.</b></p> <p style="margin: 0; padding: 2px;"><b>SLC120025</b></p>	<div style="text-align: center;">  </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p><b>1P2T</b></p>  <p>● = COMMON</p> <p style="font-size: small;">SCHEMATIC</p> </div> <div style="text-align: center;">  <p style="font-size: x-small;">MECHANICAL OUTLINE</p> </div> <div style="text-align: center;">  <p style="font-size: x-small;">PANEL CUTOUT</p> </div> </div>
<p style="background-color: #f8d7da; margin: 0; padding: 2px;"><b>MODEL NO.</b></p> <p style="margin: 0; padding: 2px;"><b>SLC22007</b></p>	<div style="text-align: center;">  </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p><b>2P2T</b></p>  <p>● = COMMON</p> <p style="font-size: small;">SCHEMATIC</p> </div> <div style="text-align: center;">  <p style="font-size: x-small;">MECHANICAL OUTLINE</p> </div> <div style="text-align: center;">  <p style="font-size: x-small;">PANEL CUTOUT</p> </div> </div>


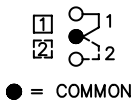
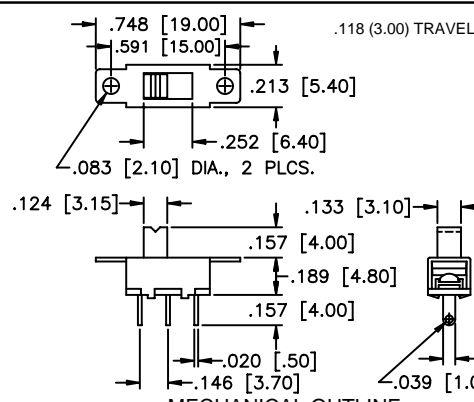
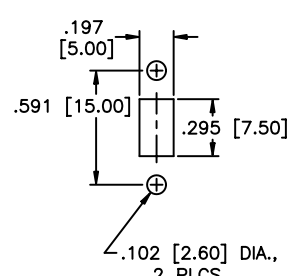

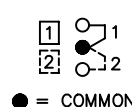
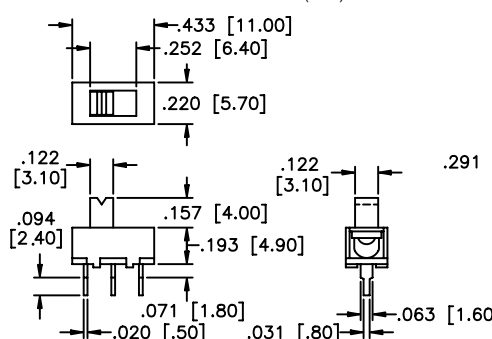
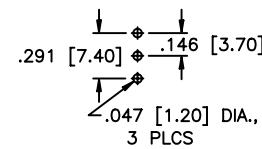
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

# SLG Series

## Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

SPECIFICATIONS	FEATURES
<p><b>Contact ratings:</b> 300 mA at 125 VAC or 30 VDC</p> <p><b>Initial contact resistance:</b> 20 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 volts RMS for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +85°C</p> <p><b>Actuation force:</b> 200g ± 75g</p> <p><b>Solder heat resistance:</b> 260°C max. for 3 seconds</p> <p><b>Solvent washing permissible</b></p>	<ul style="list-style-type: none"> <li>● Wash-through open frame construction.</li> <li>● Panel and p.c. mounting models.</li> <li>● Positive spring loaded ball detent mechanism.</li> </ul>
	MATERIALS
	<p><b>Contacts &amp; terminals:</b> Silver plated</p> <p><b>Frame:</b> Zinc plated steel</p> <p><b>Actuator:</b> Thermoplastic</p> <p><b>Base:</b> Phenolic laminated sheet</p>


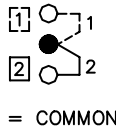
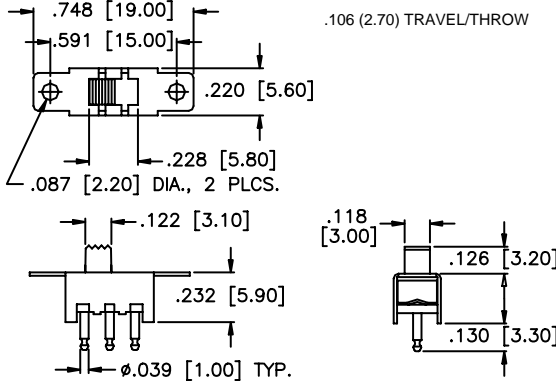
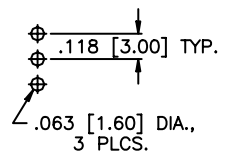

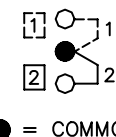
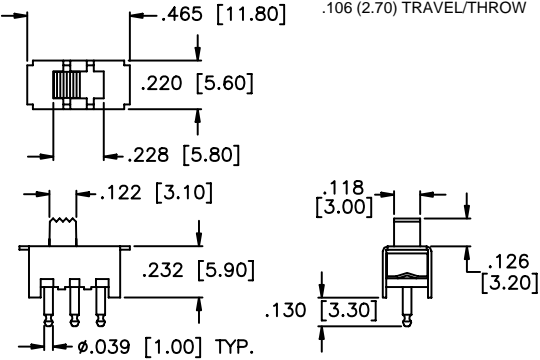
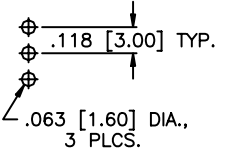
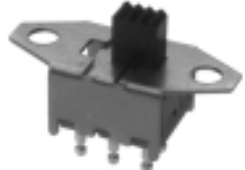
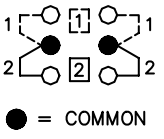
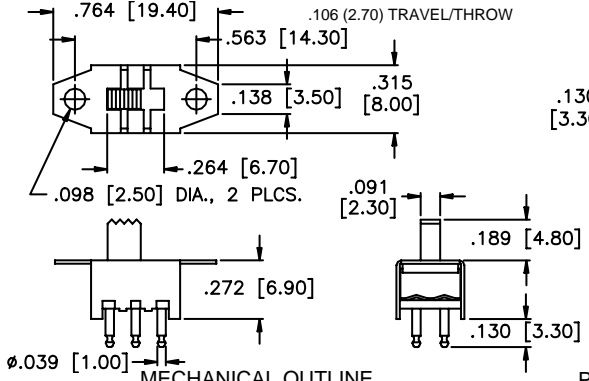
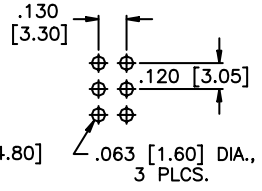
MODEL NO.	1P2T		
SLG12004	.118 (3.00) TRAVEL/THROW		
			
	SCHEMATIC	MECHANICAL OUTLINE	PANEL CUTOUT
MODEL NO.	1P2T		
SLG12014	.118 (3.00) TRAVEL/THROW		
			
VERTICAL MOUNTING	SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT

# SLA Series


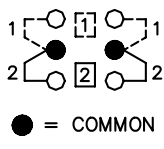
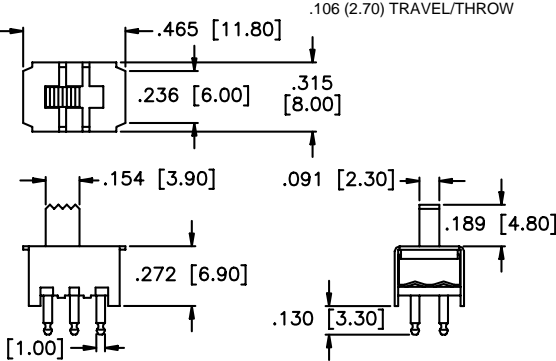
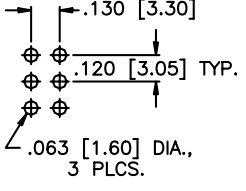
## Miniature Slide Switches

SPECIFICATIONS	FEATURES
<p><b>Contact ratings:</b> 500 mA at 125 VAC</p> <p><b>Initial contact resistance:</b> 20 milliohms max.</p> <p><b>Insulation resistance:</b> 100 megohms min. at 500 VDC</p> <p><b>Dielectric strength:</b> 500 volts RMS for 1 minute</p> <p><b>Electrical life:</b> 10,000 cycles min.</p> <p><b>Operating temperature range:</b> -20°C to +85°C</p> <p><b>Actuation force:</b> 350g ± 200g</p> <p><b>Solder heat resistance:</b> 260°C max. for 3 seconds</p> <p><b>Solvent washing permissible</b></p>	<ul style="list-style-type: none"> <li>● <b>Miniature compact size.</b></li> <li>● <b>Wash-through open frame construction.</b></li> <li>● <b>Panel and p.c. mounting models.</b></li> </ul>
	MATERIALS
	<p><b>Contacts &amp; terminals:</b> Silver plated brass</p> <p><b>Frame:</b> Zinc plated steel</p> <p><b>Actuator:</b> PBT Thermoplastic</p> <p><b>Base:</b> Phenolic laminated sheet</p>

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MODEL NO.			
SLA1200			
	<p><b>1P2T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
MODEL NO.			
SLA1201			
	<p><b>1P2T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>
MODEL NO.			
SLA2200			
	<p><b>2P2T</b></p>  <p>● = COMMON</p>	 <p>MECHANICAL OUTLINE</p>	 <p>P.C. BOARD LAYOUT</p>

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<b>MODEL NO.</b>	<b>2P2T</b>		
<b>SLA2201</b>			
	 <p>● = COMMON</p>		
	SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT

