Schematic S1

Schematic S2

Schematic S3

Schematic S4

Schematic S5

Schematic S6

Schematic S7

Schematic S8

Schematic shown with Positive Common configuration. Negative Common configuration has all Diode orientations reversed.
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High quality microwave and millimeterwave components and subsystems. Visit Ducommun online at www.ducommun.com
### Single Line Logic Driver Truth Table for 1P2T & Transfer Latching Switches

<table>
<thead>
<tr>
<th>Logic</th>
<th>Position Activated</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

### Low Logic BCD Truth Table for 1P3T to 1P10T Switches

<table>
<thead>
<tr>
<th>BCD 8</th>
<th>BCD 4</th>
<th>BCD 2</th>
<th>BCD 1</th>
<th>Position Activated</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
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<td>0</td>
<td>1</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
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<td>8</td>
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<tr>
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<td>1</td>
<td>1</td>
<td>0</td>
<td>9</td>
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<tr>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>Open</td>
<td>Open</td>
<td>Open</td>
<td>Open</td>
<td>None or FS</td>
</tr>
</tbody>
</table>

### High Logic BCD Truth Table for 1P3T to 1P10T Switches

<table>
<thead>
<tr>
<th>BCD 8</th>
<th>BCD 4</th>
<th>BCD 2</th>
<th>BCD 1</th>
<th>Position Activated</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
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<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
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<tr>
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<td>1</td>
<td>2</td>
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<tr>
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<td>1</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
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<td>0</td>
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<td>0</td>
<td>10</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>None or FS</td>
</tr>
</tbody>
</table>

### Low Logic Driver Truth Table for 1P2T & Transfer Failsafe Switches

<table>
<thead>
<tr>
<th>Logic 2</th>
<th>Logic 1</th>
<th>Position Activated</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

### High Logic Driver Truth Table for 1P2T & Transfer Failsafe Switches

<table>
<thead>
<tr>
<th>Logic 2</th>
<th>Logic 1</th>
<th>Position Activated</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

### Low Logic Driver Truth Table for 1P3T to 1P10T Switches

<table>
<thead>
<tr>
<th>Logic</th>
<th>Position Activated</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Normally Open</td>
</tr>
<tr>
<td>1</td>
<td>Normally Closed</td>
</tr>
</tbody>
</table>

### High Logic Driver Truth Table for 1P3T to 1P10T Switches

<table>
<thead>
<tr>
<th>Logic</th>
<th>Position Activated</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>None or Failsafe</td>
</tr>
<tr>
<td>1</td>
<td>None or Failsafe</td>
</tr>
</tbody>
</table>

**NOTE:** All BCD inputs shown in the Pin-Out Tables must be controlled. Devices will not function if any BCD inputs are floating.

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