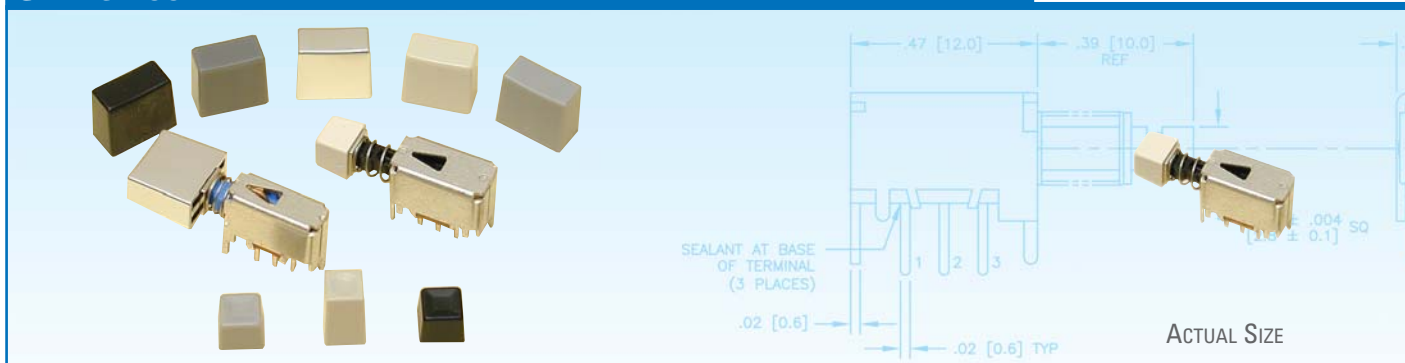


## SERIES 100



### RIGHT ANGLE MINIATURE PUSHBUTTON SWITCH

The Series 100 right angle miniature pushbutton switch is available in momentary or self-lock (maintained) action with a variety of keycap styles and colors. Ideal for high volume, low-cost electrical applications.

#### KEY FEATURES:

- Momentary or self-lock (maintained) operation
- Single or double pole
- PCB terminals
- Silver contacts

#### TYPICAL APPLICATIONS:

- Toys
- Consumer electronics
- Telcom/Datacom products
- Test and measurement
- Medical

### ORDERING INFORMATION:

#### Switch

| Part Number        | Switch Action          | Circuit | Actuator Color |
|--------------------|------------------------|---------|----------------|
| <b>100-510-501</b> | Momentary              | DPDT    | Black          |
| <b>100-510-502</b> | Self-Lock (maintained) | DPDT    | Blue           |
| <b>100-510-507</b> | Self-Lock (maintained) | SPDT    | Blue           |
| <b>100-510-508</b> | Momentary              | SPDT    | Black          |

#### Keycaps

| Part Number       | Color*        | Keycap Style |
|-------------------|---------------|--------------|
| <b>55-002-230</b> | Black         | Rectangular  |
| <b>55-002-231</b> | Light Grey    | Rectangular  |
| <b>55-002-232</b> | Dark Grey     | Rectangular  |
| <b>55-002-233</b> | White         | Rectangular  |
| <b>55-002-234</b> | Bright Chrome | Rectangular  |
| <b>55-002-235</b> | Satin Chrome  | Rectangular  |
| <b>55-002-091</b> | Sand          | Large Square |
| <b>80-397010</b>  | Light Grey    | Small Square |
| <b>80-397012</b>  | Black         | Small Square |
| <b>80-397013</b>  | White         | Small Square |

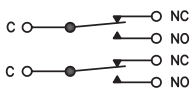
\*For other colors, please consult factory.

### STANDARDS / AGENCY / RATINGS:

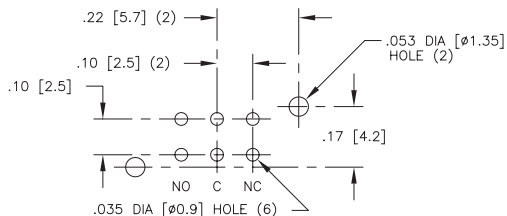


# SERIES 100—RIGHT ANGLE MINIATURE PUSHBUTTON SWITCH

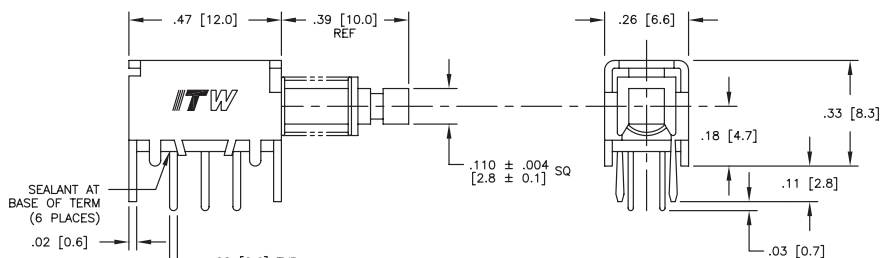
## SWITCHES:



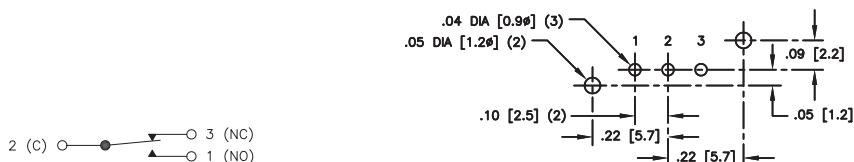
**SCHEMATIC**



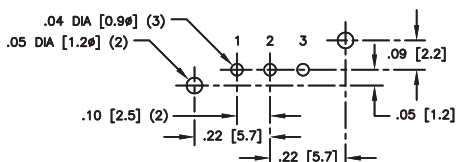
**RECOMMENDED PCB HOLE PATTERN**



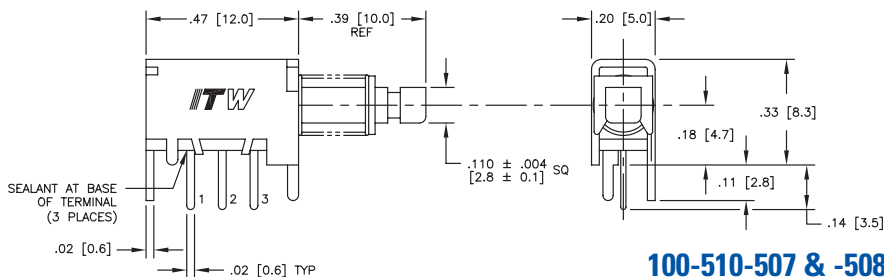
**100-510-501 & -502**



**SCHEMATIC**

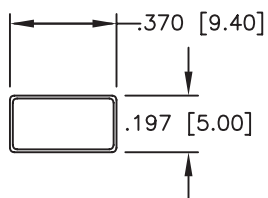


**RECOMMENDED PCB HOLE PATTERN**

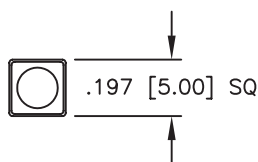


**100-510-507 & -508**

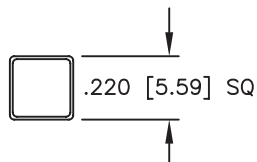
## KEYCAPS:



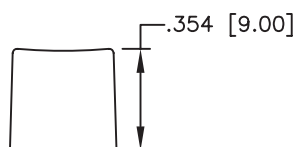
**RECTANGULAR**



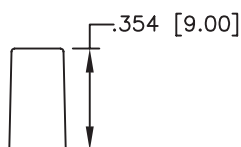
**LARGE SQUARE**



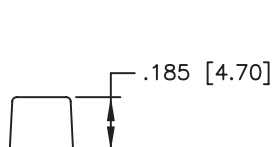
**SMALL SQUARE**



**RECTANGULAR**



**LARGE SQUARE**



**SMALL SQUARE**

## MECHANICAL / ELECTRICAL CHARACTERISTICS:

### Contact Rating:

500 mA, 30 VDC  
(100 -510 -501 & -502)

800 mA, 30 VDC  
(100 -510 -507 & -508)

### Contact Type:

Non-Shorting

### Initial Contact Resistance:

50 milliohms MAX @  
5 VDC, 100 mA

### Travel Full:

.14" (3.5 mm)

### Travel Lock:

.10" (2.5 mm)

### Operating Force:

330 ± 100 Grams  
(-501 & -502)

230 ± 100 Grams  
(-507 & -508)

**ITW Switches**

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