

## 0.25 AMP MINIATURE LED LIGHTED

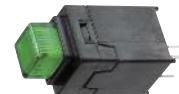
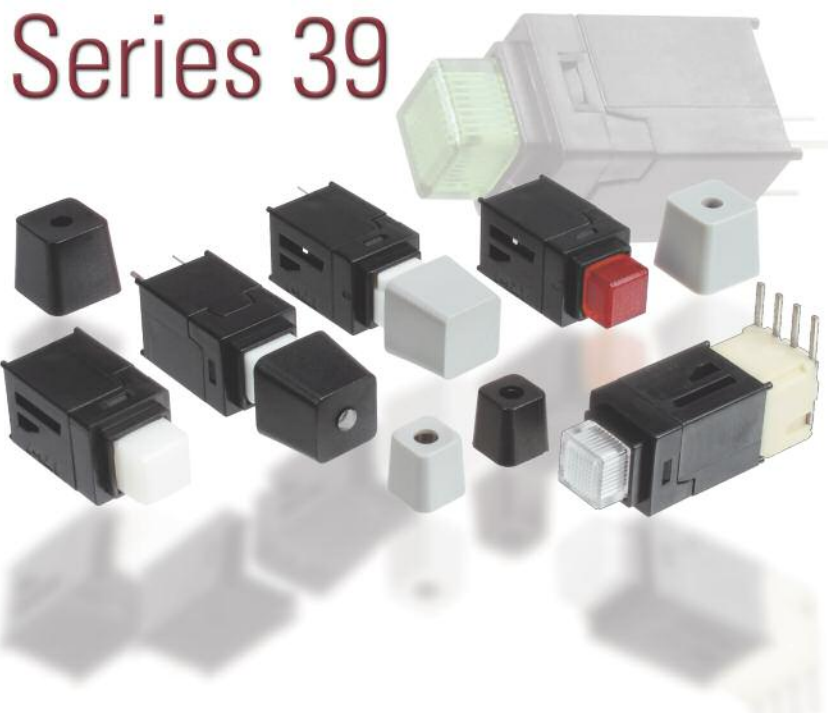
This highly reliable low cost pushbutton features bifurcated contacts that have wiping, self-cleaning action. The PC terminals allow for vertical mounting, while an optional connector allows for right angle mounting.

### APPLICATIONS

- Control panel assemblies
- Recording equipment
- Telecom switching systems
- Scientific instrumentation
- Telecom test gear

### KEY FEATURES:

- Momentary or maintained action
- Wave solderable
- Lighted (T-1 LED) or non-lighted
- Bifurcated silver contacts
- Variety of button and keycap styles



ACTUAL SIZE

### ORDERING INFORMATION:

#### Switches

| Part Number | Lighted | LED Color | Button Color | Button Style | Action     |
|-------------|---------|-----------|--------------|--------------|------------|
| 39-12101    | Yes*    | —         | Clear        | Button       | Momentary  |
| 39-12111    | Yes*    | —         | Red          | Button       | Momentary  |
| 39-12113    | Yes*    | —         | Yellow       | Button       | Momentary  |
| 39-12114    | Yes*    | —         | Smoke Grey   | Button       | Momentary  |
| 39-12502    | No      | —         | White        | Button       | Momentary  |
| 39-12503    | No      | —         | Red          | Button       | Momentary  |
| 39-12509    | No      | —         | Black        | Button       | Momentary  |
| 39-12601    | Yes     | Red       | Clear        | Button       | Momentary  |
| 39-12712    | Yes     | Green     | Green        | Button       | Momentary  |
| 39-13101    | Yes*    | —         | Clear        | Button       | Maintained |
| 39-13113    | Yes*    | —         | Yellow       | Button       | Maintained |
| 39-22100    | Yes*    | —         | —            | Keycap       | Momentary  |
| 39-22500    | No      | —         | —            | Keycap       | Momentary  |
| 39-23100    | Yes*    | —         | —            | Keycap       | Maintained |
| 39-23500    | No      | —         | —            | Keycap       | Maintained |

\* LED not included; LED support 80-390003 supplied in bulk.

#### Button/Keycap Colors

| Part Number | Lighted | Color      | Cap Size |
|-------------|---------|------------|----------|
| 80-390101   | Yes*    | White      | Large    |
| 80-390102   | Yes*    | Light Grey | Large    |
| 80-390103   | Yes*    | Dark Grey  | Large    |
| 80-390106   | No      | Light Grey | Large    |
| 80-390107   | No      | Dark Grey  | Large    |
| 80-390108   | No      | Black      | Large    |
| 80-390111   | Yes**   | Black      | Small    |

\* Requires light pipe 80-390100 (order separately)

\*\* Requires light pipe 80-390109 (order separately)

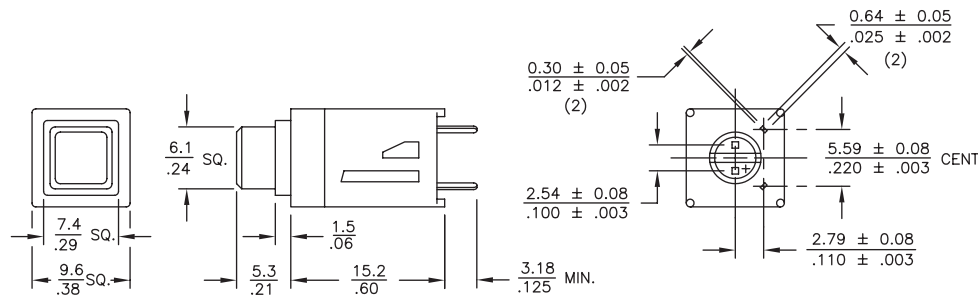
#### Connectors

| Part Number | Mount   |
|-------------|---------|
| 39-800001   | In-Line |

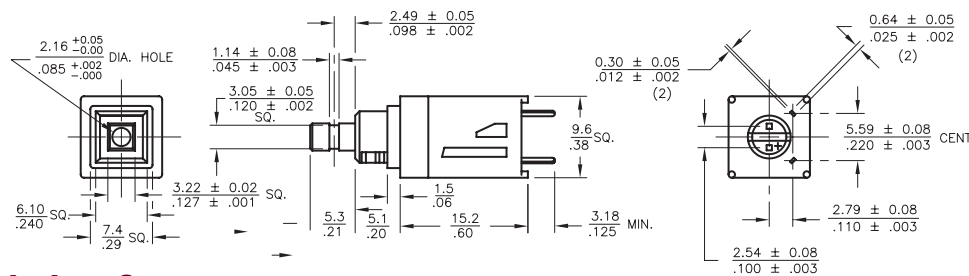
### STANDARDS / AGENCY / RATINGS:



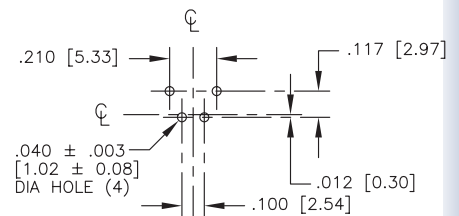
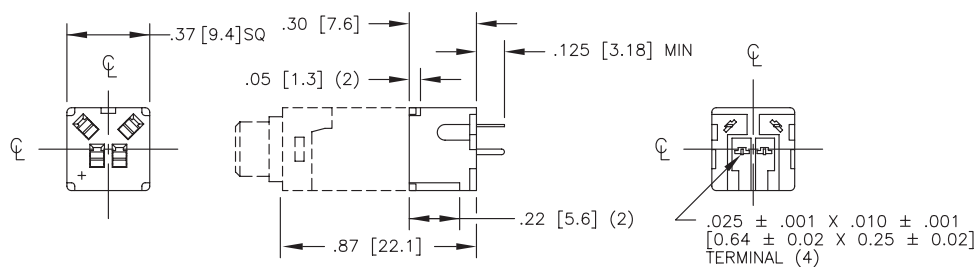
## STANDARD BUTTON STYLE



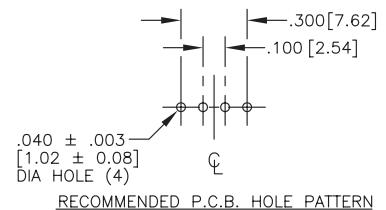
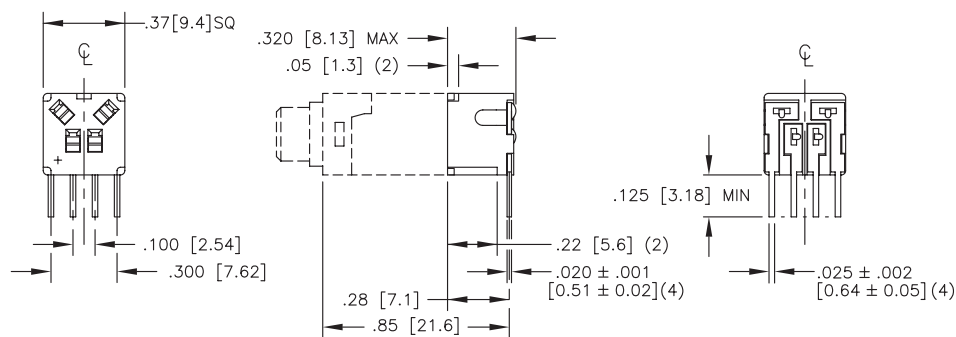
## KEYCAP BUTTON STYLE



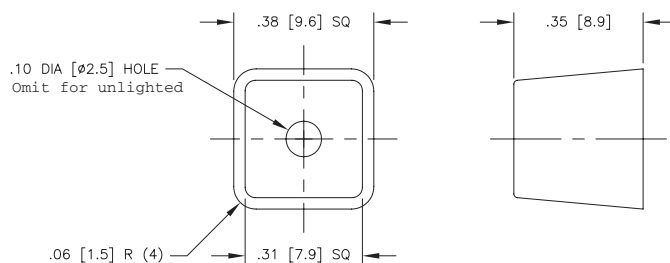
## IN-LINE CONNECTOR



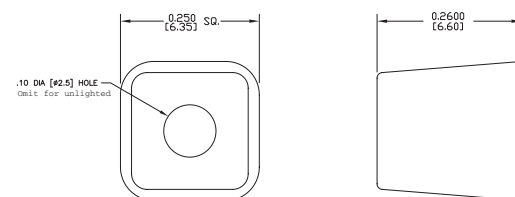
## RIGHT ANGLE CONNECTOR



## LARGE LIGHTED & UNLIGHTED KEYCAP



## SMALL LIGHTED & UNLIGHTED KEYCAP



## MECHANICAL / ELECTRICAL CHARACTERISTICS:

### Action:

SPST-NO-DB (Form X)

### Button travel:

3.05 mm (.120 in) nominal

### Operating Force:

113 grams nominal

### Contact Resistance:

Initial: 25 mΩ max.

End of life: 50 mΩ max.

### Contact bounce:

Initial: 1 millisecond max.

End of life 3 milliseconds max.

### Electrical life:

Momentary: 1 million cycles

Maintained: 25,000 cycles

### Electrical rating:

.25A @ 30 VDC res.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## ITW Switches:

[80-390100](#) [80-390102](#) [80-390103](#) [80-390106](#) [80-390108](#)