

**SERIES 95C**

12mm Square

**FEATURES**

- Excellent Tactile Feedback
- Surface Mount Versions Compatible with SMT Assembly Including Infrared and Vapor Phase
- Ultraminiature and Lightweight Structure Suitable for High Density Mounting

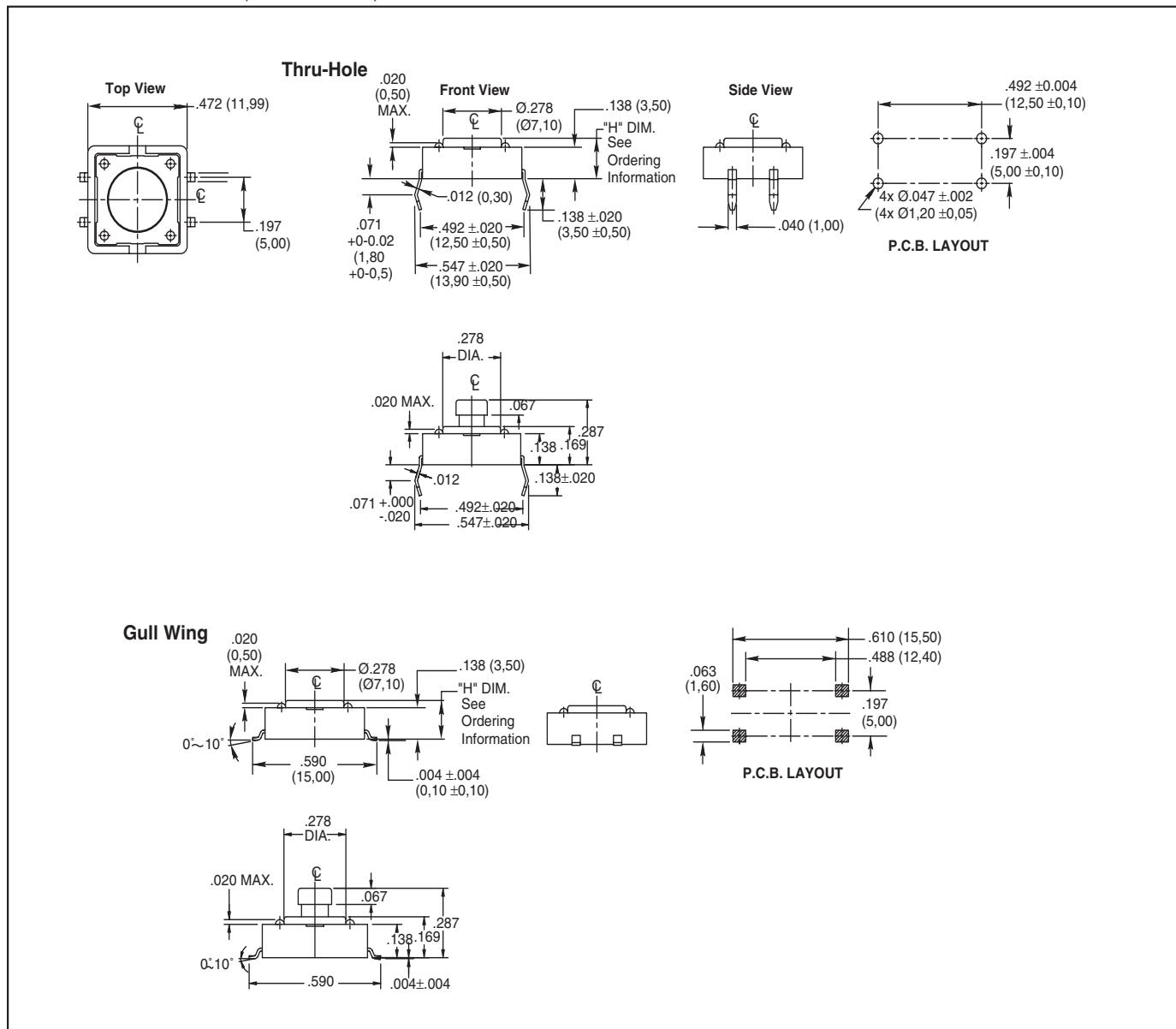
Used in applications such as consumer electronics, audio equipment, PCs, VCRs, cable boxes, modems, communications equipment, controls, security and alarm equipment, and test and measurement equipment.



Thru-Hole



Gull Wing

**APPLICATIONS****DIMENSIONS** In inches (and millimeters)

**SPECIFICATIONS****Materials**

**Base:** UL94V-0 Nylon thermoplastic  
**Cover:** Stainless steel, tin-plated  
**Actuator:** UL94V-0 Nylon thermoplastic  
**Terminal:** Brass with silver-plating  
**Contact:** Stainless steel with silver-plating  
**Cap:** Thermoplastic ABS

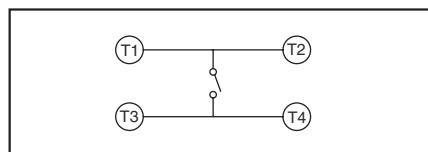
**Electrical**

**Rating:** 50mA, 12 Vdc  
**Life:** 160g: 1,000,000 cycles/  
 260g: 500,000 cycles  
**Actuator Travel:** .014"  $\pm$  .004"  
**Contact Resistance:** 100 m $\Omega$  max.

**Insulation Resistance:** 100 M $\Omega$  min. at 500Vdc  
**Dielectric Strength:** No dielectric breakdown after 250V for one minute  
**Contact Arrangement:** single pole, single throw

**Environmental**

**Operating Temp. Range:** -25 to 70°C  
**Storage Temp. Range:** -30 to 80°C  
**Mechanical Shock:** MIL-STD-202F, Method, 213B, Test Condition A. Gravity: 50G's (peak value), 11 msec. Direction and times: 6 sides and 3 times in each direction. High reliability.  
**Vibration:** MIL-STD-202F, Method 201A. Passed 6 hours (2 hours in each) of three

**CIRCUITRY**

perpendicular planes at a cycle of 10-55-10Hz/1 minute.

**Stop Strength:** Place the switch such that vertical, a static load of 3kg shall be applied in the direction of stem operation for a period of 15 seconds.

**Soldering Process**

**Hand Soldering:** Use a soldering iron of 30 watts, controlled at 350°C for 5 seconds maximum while applying solder.

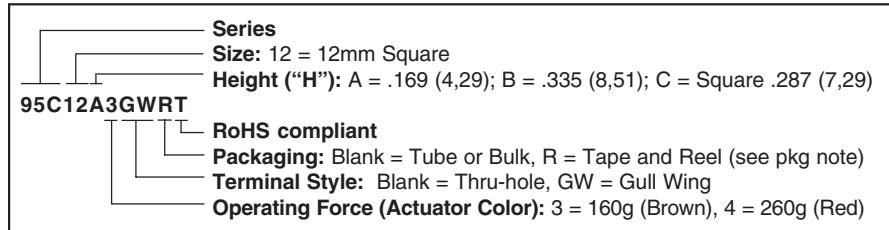
**Reflow Soldering** (surface mount versions only): Peak temperature 260°C (500°F).

**Wave Soldering:** 260C° (500°F) maximum for 5 seconds subject to PCB .063 in. (1.6mm) thickness.

**Packaging**

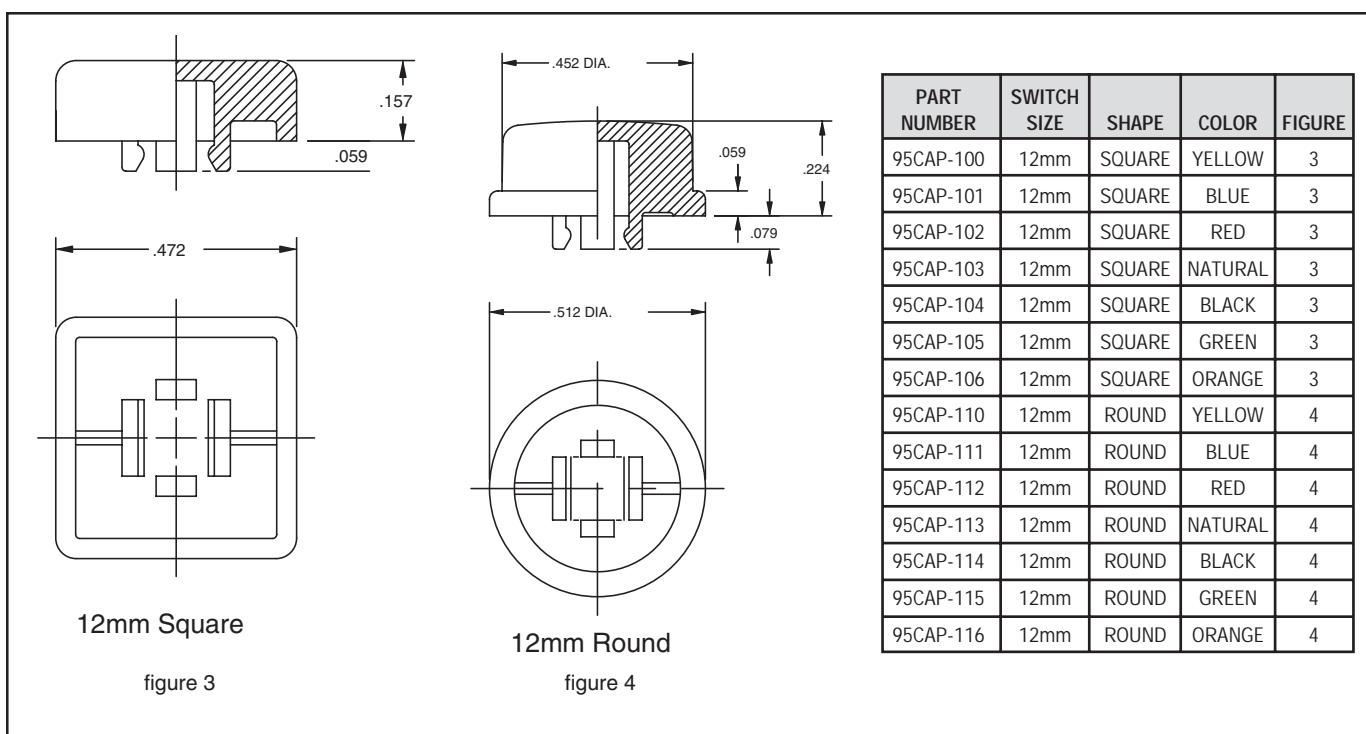
Thru-Hole: Bulk, 500 pcs/bag.

Surface Mount: 40 pcs/tube, 700 pcs/reel (.169" height), 500 pcs/reel (.335" and .287" height).

**ORDERING INFORMATION**

Available from your local Grayhill Component Distributor.

For prices and discounts, contact a local Sales Office, an authorized local distributor, or Grayhill.

**DECORATIVE CAPS** (for use with "C" style square actuators)

12mm Square

figure 3

12mm Round

figure 4

# Mouser Electronics

Authorized Distributor

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

[Grayhill](#):

[95C12A4GWT](#) [95C12A3GWT](#) [95C12A3GWRT](#)