

# Tact Switches

Series 95C

6mm Square, Non-washable



## FEATURES

- Excellent Tactile Feedback
- Thru-hole, Gull Wings, Right Angle, and J-Lead Versions
- Surface Mount Versions Compatible with SMT Assembly Including Infrared and Vapor Phase

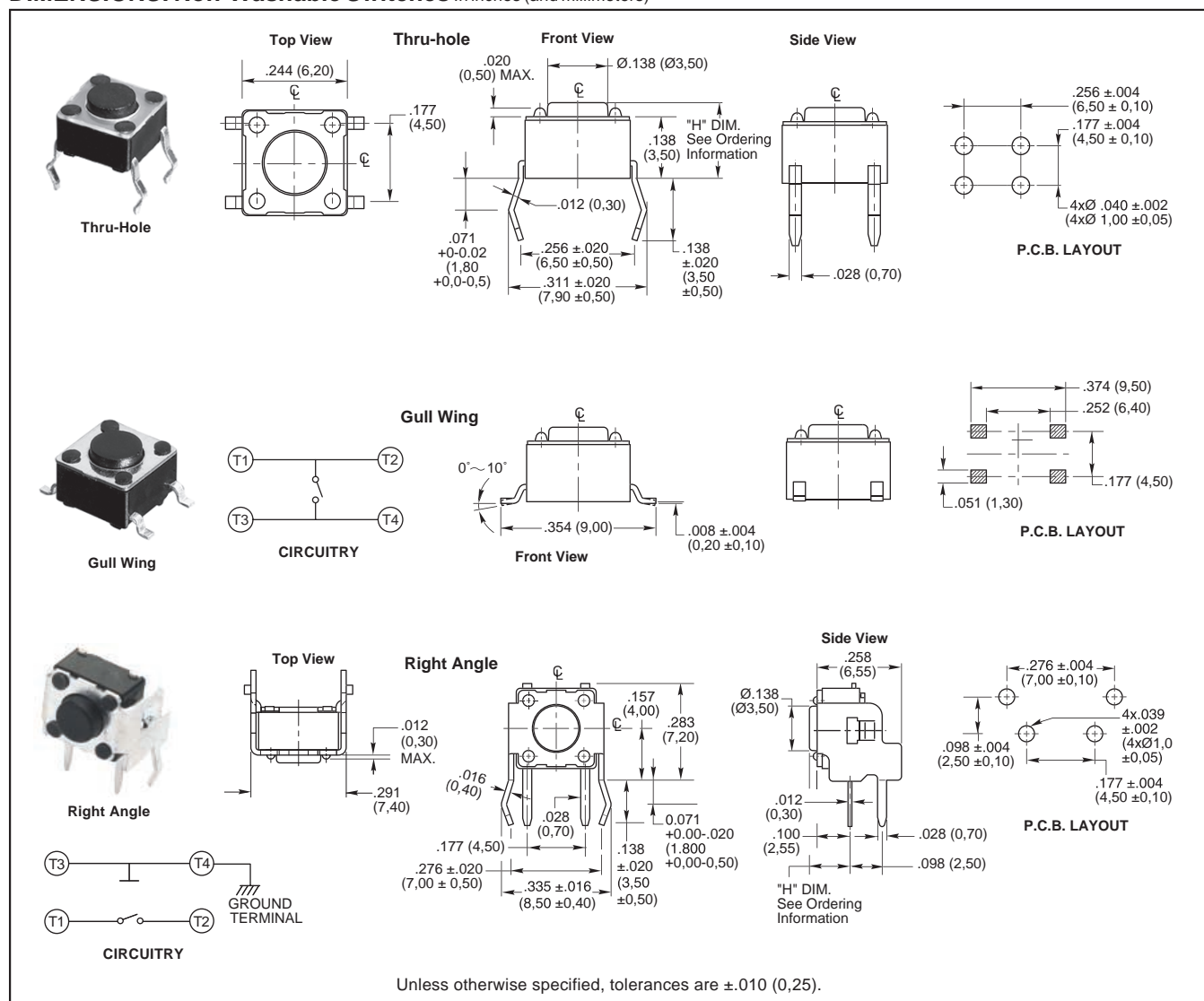
- Ultraminiature and Lightweight Structure Suitable for High Density Mounting
- Insert Molded Terminals to Prevent Flux Build-up During Soldering
- Washable Switches (style 95CW06) are Designed to Allow Submersed Washing After Soldering

## APPLICATIONS

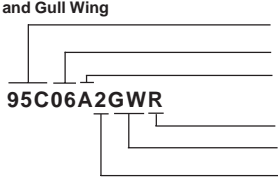
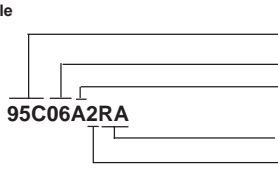
Used in applications such as consumer electronics, audio equipment, PCs, VCRs, cable boxes, modems, communications equipment, controls, security and alarm equipment, and test and measurement equipment.

## DIMENSIONS: Non-Washable Switches

In inches (and millimeters)



### ORDERING INFORMATION: Non-Washable Switches

<p>Thru-Hole and Gull Wing</p>  <p>95C06A2GWR</p>	<p><b>Series</b></p> <p><b>Size:</b> 06 = 6mm Square</p> <p><b>Height:</b> A = .169 (4,29), B = .197 (5,00), C = .276 (7,01), D = .374 (9,50), E = .512 (13,00)</p> <p><b>Packaging:</b> Blank = Tube or bulk, R = Tape and Reel (see pkg note)</p> <p><b>Terminal Style:</b> Blank = Thru-hole, GW = Gull Wing</p> <p><b>Operating Force (Actuator Color):</b> 2 = 100g (Black), 3 = 160g (Brown), 4 = 260g (Red), 5 = 320g (Orange), 6 = 520g (Yellow)</p>
<p>Right Angle</p>  <p>95C06A2RA</p>	<p><b>Series</b></p> <p><b>Size:</b> 06 = 6mm Square</p> <p><b>Height:</b> A = .124 (3,14), B = .152 (3,86), C = .230 (5,84), D = .329 (8,36), E = .467 (11,86)</p> <p><b>Terminal Style:</b> RA = Right Angle</p> <p><b>Operating Force (Actuator Color):</b> 2 = 100g (Black), 3 = 160g (Brown), 4 = 260g (Red)</p>

**Packaging** Thru-Hole: Bulk, 1000 pcs/bag. Surface Mount: 77 pcs/tube, 1000 pcs/reel (.169" height), 900 pcs/reel (.197" height), 500 pcs/reel (.276" height), 380 pcs/reel (.374" height).

### SPECIFICATIONS: Washable and Non-Washable Switches

#### Materials

**Base:** UL94V-0 Nylon or PPA high-temp thermoplastic, black

**Cover:** Stainless steel, tin-plated steel

**Actuator:** UL94V-0 Nylon thermoplastic

**Terminal:** Brass with silver-plating

**Contact:** Phosphor bronze with silver-plating

**Cap:** Thermoplastic ABS

**Seal:** Silicone Rubber (Washable only)

#### Electrical

**Rating:** 50mA, 12 Vdc

**Life:** 160g/100,000 cycles; 180g and 260g/500,000 cycles; 520g/50,000 cycles

**Contact Resistance:** 100 mΩ max.

**Insulation Resistance:** 100 MΩ 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 perpendicular planes at a cycle of 10-55-10Hz/minute. High reliability.

#### Soldering Process

**Hand Soldering:** Use a soldering iron of 30 watts, controlled at 320°C (608°F) approximately 2 seconds while applying solder.

**Reflow Soldering** (surface mount versions only): Peak temperature 240°C (464°F).

**Wave Soldering:** 260°C (500°F) maximum for 5 seconds subject to PCB .063 in. (1,6mm) thickness.

**Available from your local Grayhill Component Distributor.**

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