

# Tact Switches

## Series 95C

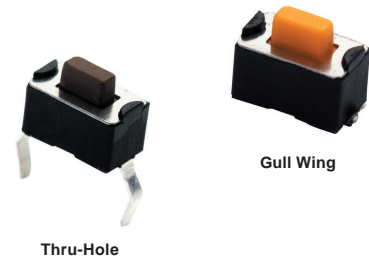
### 6mm x 3.5mm

### FEATURES

- Excellent Tactile Feedback
- Thru-hole and Gull Wing 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

### APPLICATIONS

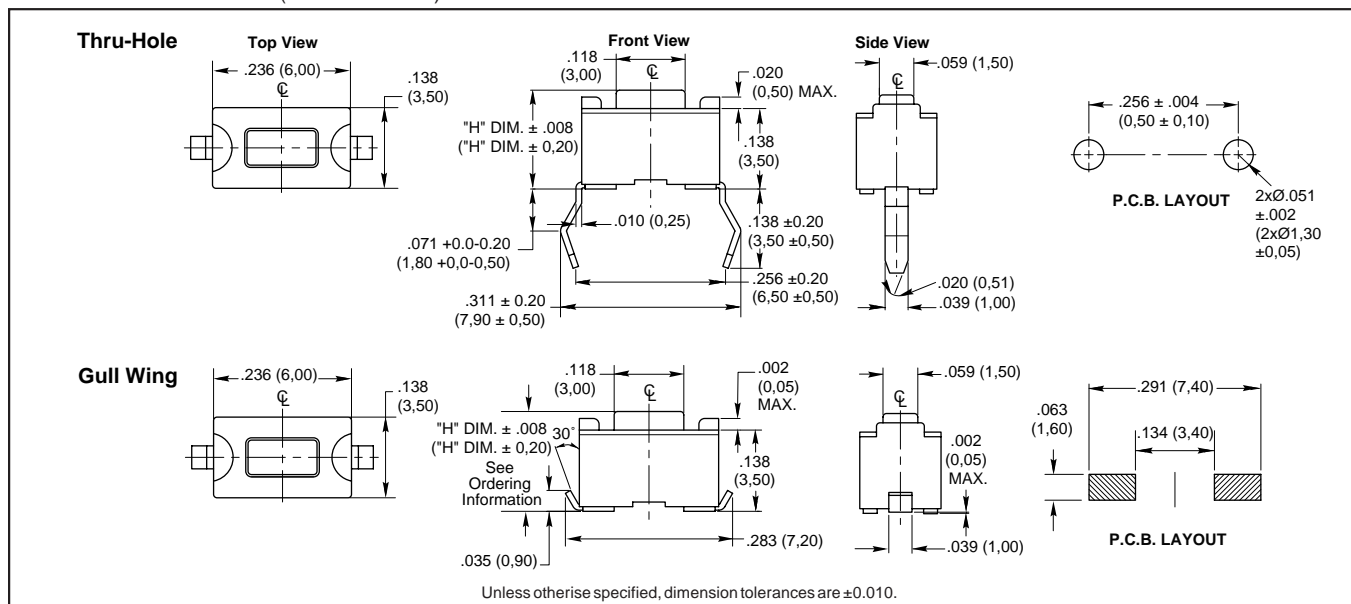
Used in applications such as consumer electronics, audio equipment, PCs, VCRs, cable boxes, modems, communications equipment, controls, security and alarm equipment, and test and measurement equipment.



Thru-Hole

Gull Wing

### DIMENSIONS In inches (and millimeters)



### SPECIFICATIONS

#### Materials

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

**Cover:** Stainless steel

**Actuator:** UL94V-0 Nylon high temperature thermoplastic, black

**Terminal:** Brass with silver-plating

**Contact:** Stainless steel with silver-plating

#### Electrical

**Rating:** 50mA, 12 Vdc

**Life:** 50,000 cycles

**Contact Resistance:** 100 m $\Omega$  max.

#### ORDERING INFORMATION

	<b>Series</b>	95C
	<b>Size:</b> 04 = 3.5mm x 6mm	04
	<b>Height:</b> A = .169 (4,30), B = .197 (5,00)	A
	<b>95C04A3GWR</b>	
	<b>Packaging:</b> Blank = Tube, R = Tape and Reel (see pkg note)	3
	<b>Terminal Style:</b> Blank = Thru-Hole, GW = Gull Wing	G
	<b>Operating Force:</b> 3 = 160g (brown), 5 = 320g (orange)	3

Available from your local Grayhill Component Distributor.

**Insulation Resistance:** 100 M $\Omega$  min. at 500Vdc

**Dielectric Strength:** No dielectric breakdown after 250V after one minute

**Contact Arrangement:** single pole, single throw

#### Environmental

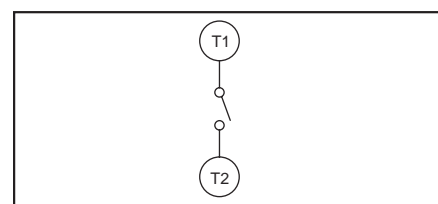
**Operating Temperature Range:** -25 to 70°C

**Storage Temperature Range:** -30 to 80°C

**Mechanical Shock:** MIL-STD-202F, Method 213B, Test Condition A. Gravity: 50G (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/minute.

#### Soldering Process

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

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

**Wave Soldering:** 260°C (500°F) max. for 5 seconds. Subject to P.C.B. .063 in. (1,6mm) thickness.

#### Packaging

Thru-Hole: 135 pcs/tube. Surface Mount: 135 pcs/tube, 1800 pcs/reel (.169" height), 1600 pcs/reel (.197" height).