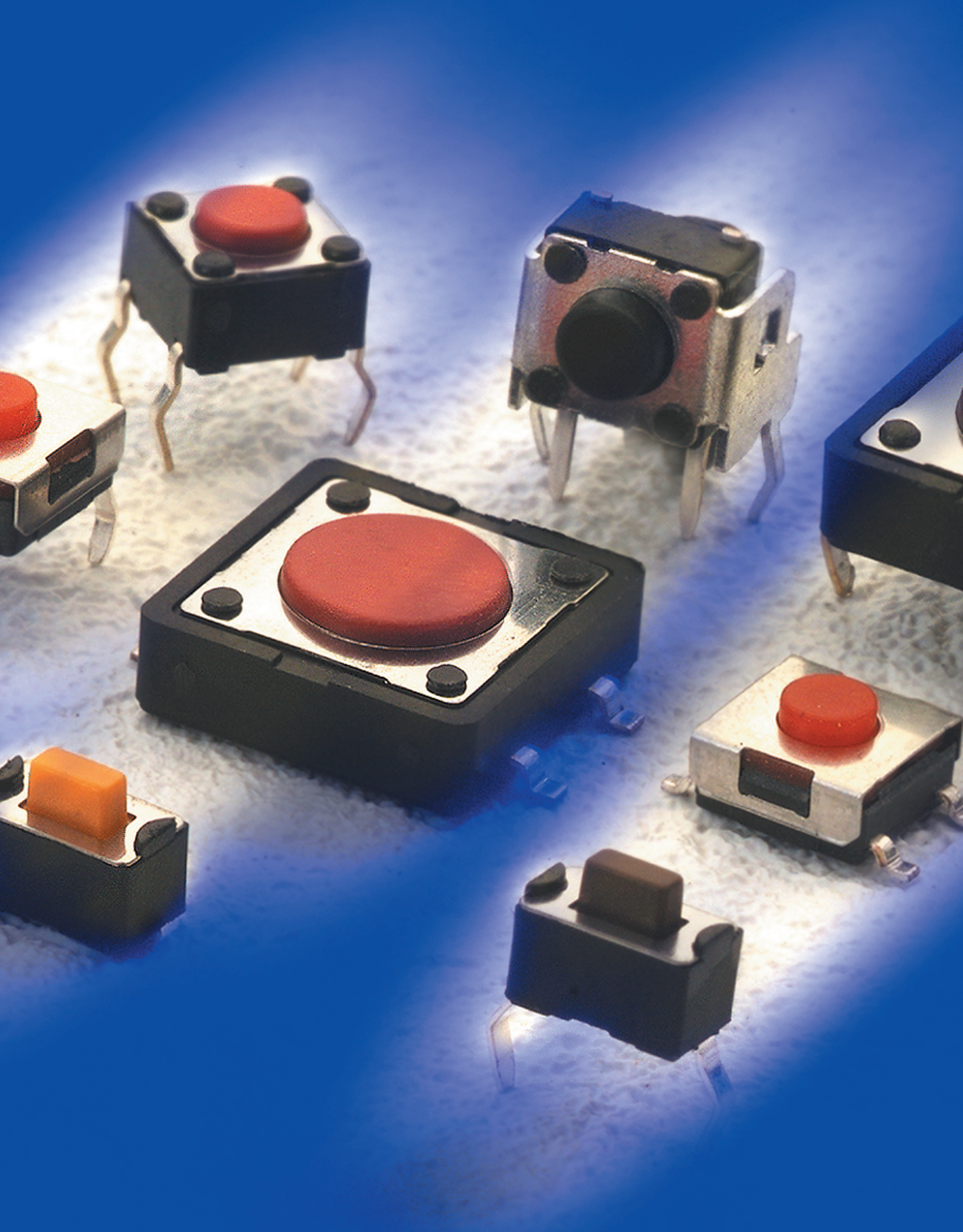




**TACT SWITCHES**

- Excellent tactile feedback
- Washable and non-washable versions
- Insert molded terminals to prevent flux buildup during soldering
- Ultraminiature and lightweight design suitable for high density mounting
- RoHS Compliant

Page

Selection Chart ..... 2

**NON-WASHABLE TACTILE SWITCHES**

6mm x 3.5mm ..... 3

6mm Square ..... 4

12mm Square ..... 7

5mm Square ..... 9

**WASHABLE TACTILE SWITCHES**

6mm ..... 10

|                               | Description                           | Actuation Forces Available (grams) | Actuator Heights Available (inch) | Series | Page |
|-------------------------------|---------------------------------------|------------------------------------|-----------------------------------|--------|------|
| Non Washable Tactile Switches |                                       |                                    |                                   |        |      |
| Surface Mount-Gullwing Leads  | 3.5mm x 6mm                           | 160                                | .169, .197                        | 95C04  | C-4  |
|                               |                                       | 320                                | .169, .197                        | 95C04  | C-4  |
|                               | 5 mm square                           | 160                                | 0.059                             | 95C05  | C-10 |
|                               | 6mm Square                            | 100                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               |                                       | 160                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               |                                       | 260                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               |                                       | 320                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               |                                       | 520                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               | 6mm Square for use with actuator cap  | 100                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 160                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 260                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 320                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 520                                | 0.287                             | 95C06  | C-5  |
|                               | 12mm Square                           | 160                                | .169, .335                        | 95C12  | C-8  |
|                               |                                       | 260                                | .169, .335                        | 95C12  | C-8  |
|                               | 12mm Square for use with actuator cap | 160                                | 0.287                             | 95C12  | C-8  |
| 260                           |                                       | 0.287                              | 95C12                             | C-8    |      |
| Thru-Hole                     | 3.5mm x 6mm                           | 160                                | .169, .197                        | 95C04  | C-4  |
|                               |                                       | 320                                | .169, .197                        | 95C04  | C-4  |
|                               | 6mm Square                            | 100                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               |                                       | 160                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               |                                       | 260                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               |                                       | 320                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               |                                       | 520                                | .169, .197, .276, .374, .512      | 95C06  | C-5  |
|                               | 6mm Square for use with actuator cap  | 100                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 160                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 260                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 320                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 520                                | 0.287                             | 95C06  | C-5  |
|                               | 12mm Square                           | 160                                | .169, .335                        | 95C12  | C-8  |
|                               |                                       | 260                                | .169, .335                        | 95C12  | C-8  |
|                               | 12mm Square for use with actuator cap | 160                                | 0.287                             | 95C12  | C-8  |
|                               |                                       | 260                                | 0.287                             | 95C12  | C-8  |
| Right Angle Thru-Hole         | 6mm Square                            | 100                                | .124, .152, .230, .329, .467      | 95C06  | C-5  |
|                               |                                       | 160                                | .124, .152, .230, .329, .467      | 95C06  | C-5  |
|                               |                                       | 260                                | .124, .152, .230, .329, .467      | 95C06  | C-5  |
|                               | 6mm Square for use with actuator cap  | 100                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 160                                | 0.287                             | 95C06  | C-5  |
|                               |                                       | 260                                | 0.287                             | 95C06  | C-5  |
| Washable Tactile Switches     |                                       |                                    |                                   |        |      |
| Surface Mount-Gullwing Leads  | 6mm square                            | 160                                | 0.091, .122                       | 95CW06 | C-11 |
|                               |                                       | 180                                | .138, .150, .205                  | 95CW06 | C-11 |
|                               |                                       | 260                                | .138, .150, .205                  | 95CW06 | C-11 |
|                               |                                       | 360                                | .138, .150, .205                  | 95CW06 | C-11 |
|                               |                                       | 520                                | .150, .205                        | 95CW06 | C-11 |
| Surface Mount-J Leads         | 6mm square                            | 160                                | 0.091, .122                       | 95CW06 | C-11 |
|                               |                                       | 180                                | .138, .150, .205                  | 95CW06 | C-11 |
|                               |                                       | 260                                | .138, .150, .205                  | 95CW06 | C-11 |
|                               |                                       | 360                                | .138, .150, .205                  | 95CW06 | C-11 |
|                               |                                       | 520                                | .150, .205                        | 95CW06 | C-11 |
| Thru-Hole                     | 6mm square                            | 160                                | 0.091, .122                       | 95CW06 | C-11 |
|                               |                                       | 180                                | .138, .150, .205                  | 95CW06 | C-11 |
|                               |                                       | 260                                | .138, .150, .205                  | 95CW06 | C-11 |
|                               |                                       | 360                                | .138, .150, .205                  | 95CW06 | C-11 |
|                               |                                       | 520                                | .150, .205                        | 95CW06 | C-11 |
| Surface Mount-Right Angle     | 6mm square                            | 260                                | .031, .039, .091                  | 95CW06 | C-11 |



## SERIES 95C

6mm x 3.5mm

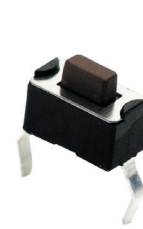


### FEATURES

- 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.

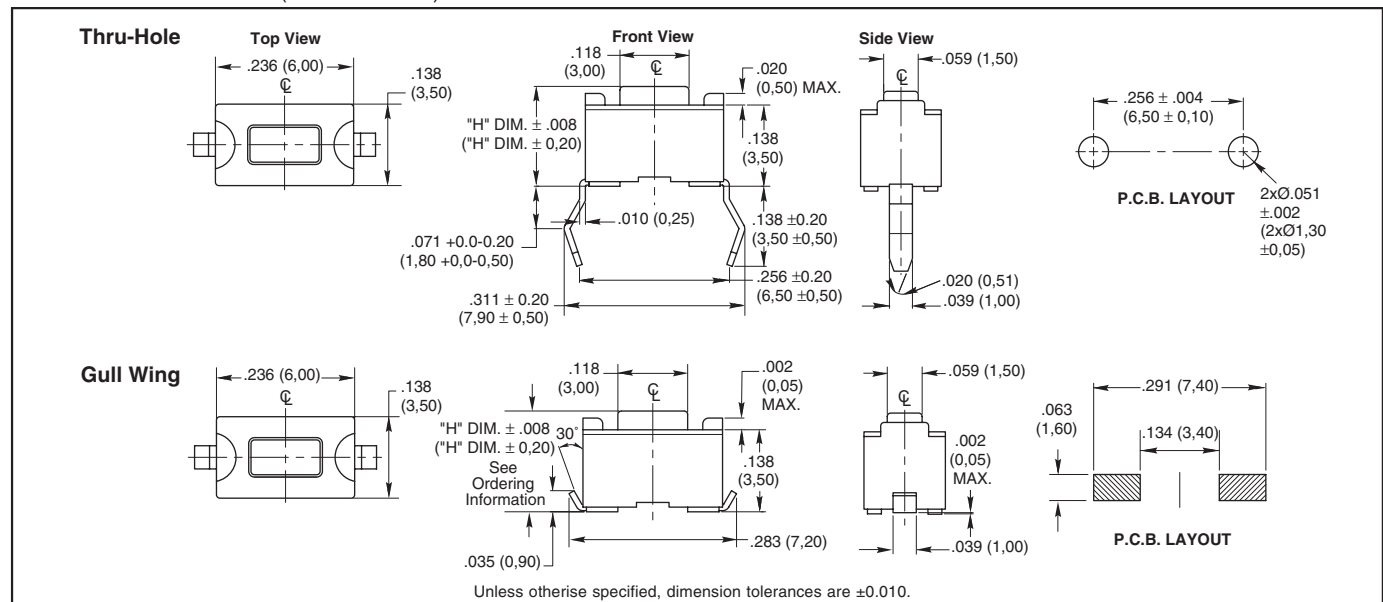


Thru-Hole, 160g,  
Brown Actuator



Gull Wing, 320g,  
Orange Actuator

### DIMENSIONS In inches (and millimeters)



### SPECIFICATIONS

#### Materials

**Base:** UL94V-0 Nylon thermoplastic

**Cover:** Stainless steel

**Actuator:** UL94V-0 Nylon thermoplastic

**Terminal:** Brass with silver-plating

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

#### Electrical

**Rating:** 50mA, 12 Vdc

**Life:** 50,000 cycles

**Actuator Travel:** .010" + .008" / - .004"

**Contact Resistance:** 100 mΩ max.

**Insulation Resistance:** 100 MΩ min. at 500Vdc

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

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

#### Environmental

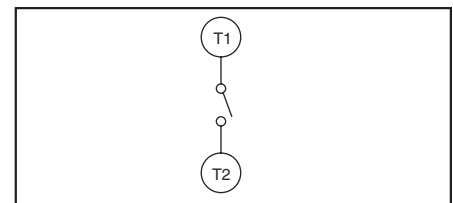
**Operating Temperature Range:** -25 to 70°C

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

### CIRCUITRY



#### 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:** 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).

### ORDERING INFORMATION

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

Available from your local Grayhill Component Distributor.

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

## SERIES 95C

6mm Square, Non-washable

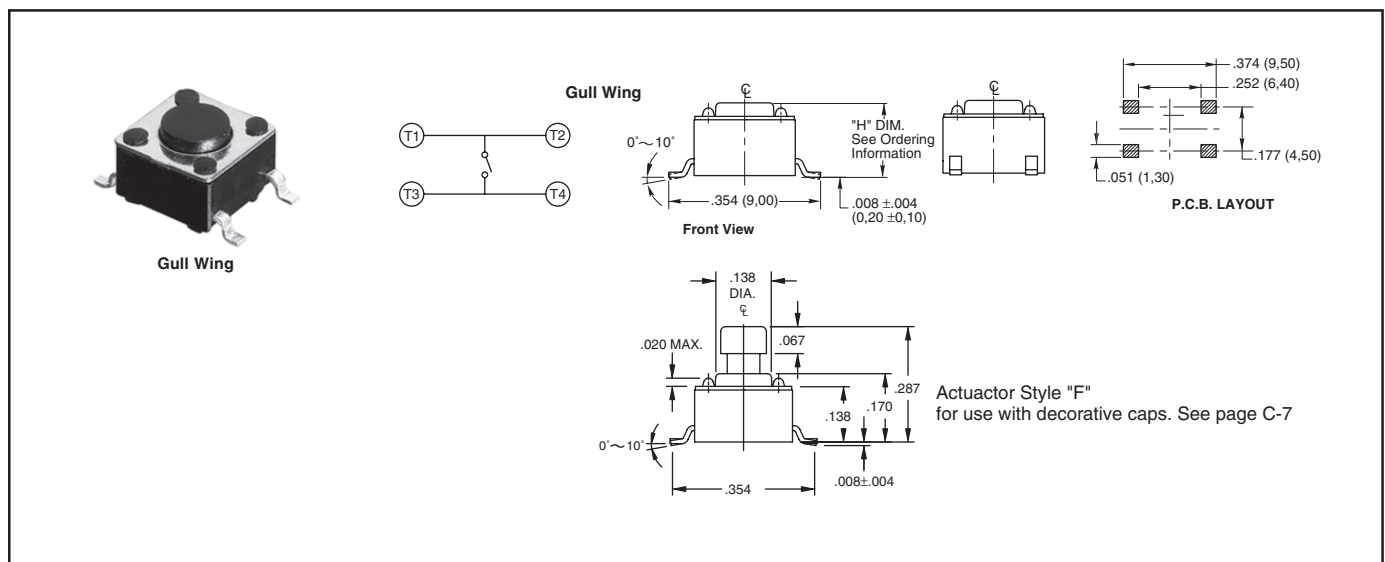
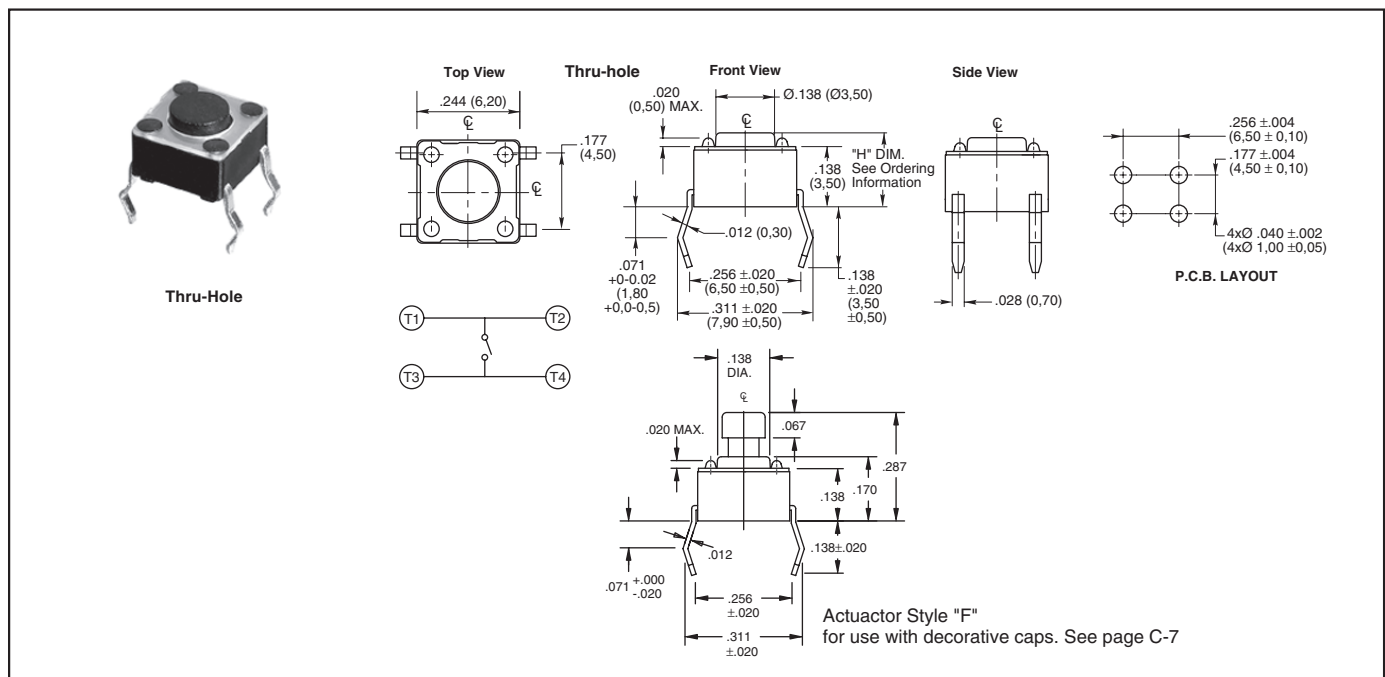
### FEATURES

- Excellent Tactile Feedback
- Thru-hole, Gull Wings, and Right Angle 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.

### DIMENSIONS: Non-Washable Switches In inches (and millimeters)





## ORDERING INFORMATION: Non-Washable Switches

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thru-Hole and Gull Wing | <b>Series</b><br><b>Size:</b> 06 = 6mm Square<br><b>Height ("H"):</b> A = .169 (4,29), B = .197 (5,00), C = .276 (7,01), D = .374 (9,50), E = .512 (13,00)<br>F = .287 (7,29) for use with decorative caps<br><b>RoHS compliant</b><br><b>Packaging:</b> Blank = Tube or bulk, R = Tape and Reel (see pkg note)<br><b>Terminal Style:</b> Blank = Thru-hole, GW = Gull Wing<br><b>Operating Force (Actuator Color):</b> 2 = 100g (Black), 3 = 160g (Brown), 4 = 260g (Red), 5 = 320g (Orange), 6 = 520g (Yellow) |
| 95C06A2GWRT             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Right Angle             | <b>Series</b><br><b>Size:</b> 06 = 6mm Square<br><b>Height ("H"):</b> A = .124 (3,14), B = .152 (3,86), C = .230 (5,84), D = .329 (8,36), E = .467 (11,86)<br>F = .242 (6,15) for use with decorative caps<br><b>RoHS compliant</b><br><b>Terminal Style:</b> RA = Right Angle<br><b>Operating Force (Actuator Color):</b> 2 = 100g (Black), 3 = 160g (Brown), 4 = 260g (Red)                                                                                                                                    |
| 95C06A2RAT              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**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" and .287" height), 380 pcs/reel (.374" height). Right Angle: Bulk, 1000 pcs/bag.

## SPECIFICATIONS:

### Non-Washable Switches

#### Materials

**Base:** UL94V-0 Nylon thermoplastic

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

**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:** 100g, 160g: 1,000,000 cycles;

260g: 500,000 cycles

320g, 520g, 300,000 cycles

**Actuator Travel:** .010" + .008" / - .004"

**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 350°C for 5 seconds maximum while applying solder.

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

## DECORATIVE CAPS (for use with "F" style square actuators)

6mm SQUARE

figure 1

6mm ROUND

figure 2

| PART NUMBER | SWITCH SIZE | SHAPE  | COLOR   | FIGURE |
|-------------|-------------|--------|---------|--------|
| 95CAP-000   | 6mm         | SQUARE | YELLOW  | 1      |
| 95CAP-001   | 6mm         | SQUARE | BLUE    | 1      |
| 95CAP-002   | 6mm         | SQUARE | RED     | 1      |
| 95CAP-003   | 6mm         | SQUARE | NATURAL | 1      |
| 95CAP-004   | 6mm         | SQUARE | BLACK   | 1      |
| 95CAP-005   | 6mm         | SQUARE | GREEN   | 1      |
| 95CAP-006   | 6mm         | SQUARE | ORANGE  | 1      |
| 95CAP-010   | 6mm         | ROUND  | YELLOW  | 2      |
| 95CAP-011   | 6mm         | ROUND  | BLUE    | 2      |
| 95CAP-012   | 6mm         | ROUND  | RED     | 2      |
| 95CAP-013   | 6mm         | ROUND  | NATURAL | 2      |
| 95CAP-014   | 6mm         | ROUND  | BLACK   | 2      |
| 95CAP-015   | 6mm         | ROUND  | GREEN   | 2      |
| 95CAP-016   | 6mm         | ROUND  | ORANGE  | 2      |

## 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
- 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.

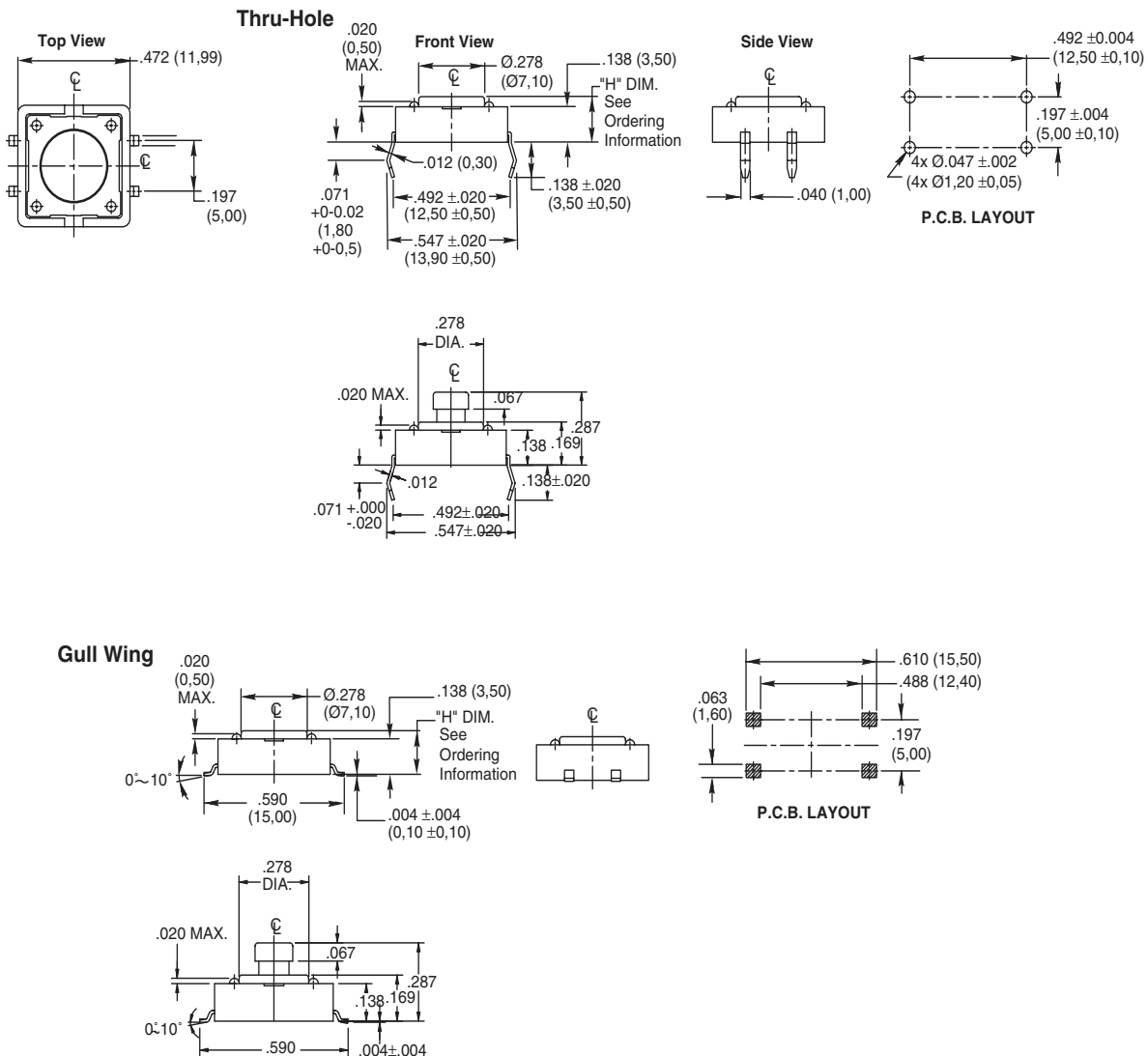


Thru-Hole



Gull Wing

### DIMENSIONS In inches (and millimeters)





## SPECIFICATIONS

### Materials

**Base:** UL94V-0 Nylon thermoplastic  
**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

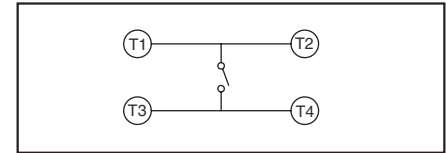
**Rating:** 50mA, 12 Vdc  
**Life:** 160g: 1,000,000 cycles/  
 260g: 500,000 cycles  
**Actuator Travel:** .014" ± .004"  
**Contact Resistance:** 100 mΩ max.

**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

## 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:** 260°C (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

**Series**  
**Size:** 12 = 12mm Square  
**Height ("H"):** A = .169 (4,29); B = .335 (8,51); C = Square .287 (7,29)  
**95C12A3GWRT**  
**RoHS compliant**  
**Packaging:** Blank = Tube or Bulk, R = Tape and Reel (see pkg note)  
**Terminal Style:** Blank = Thru-hole, GW = Gull Wing  
**Operating Force (Actuator Color):** 3 = 160g (Brown), 4 = 260g (Red)

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

| PART NUMBER | SWITCH SIZE | SHAPE  | COLOR   | FIGURE |
|-------------|-------------|--------|---------|--------|
| 95CAP-100   | 12mm        | SQUARE | YELLOW  | 3      |
| 95CAP-101   | 12mm        | SQUARE | BLUE    | 3      |
| 95CAP-102   | 12mm        | SQUARE | RED     | 3      |
| 95CAP-103   | 12mm        | SQUARE | NATURAL | 3      |
| 95CAP-104   | 12mm        | SQUARE | BLACK   | 3      |
| 95CAP-105   | 12mm        | SQUARE | GREEN   | 3      |
| 95CAP-106   | 12mm        | SQUARE | ORANGE  | 3      |
| 95CAP-110   | 12mm        | ROUND  | YELLOW  | 4      |
| 95CAP-111   | 12mm        | ROUND  | BLUE    | 4      |
| 95CAP-112   | 12mm        | ROUND  | RED     | 4      |
| 95CAP-113   | 12mm        | ROUND  | NATURAL | 4      |
| 95CAP-114   | 12mm        | ROUND  | BLACK   | 4      |
| 95CAP-115   | 12mm        | ROUND  | GREEN   | 4      |
| 95CAP-116   | 12mm        | ROUND  | ORANGE  | 4      |

## SERIES 95C

5mm Square

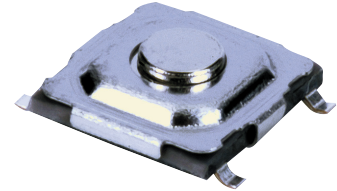


### FEATURES

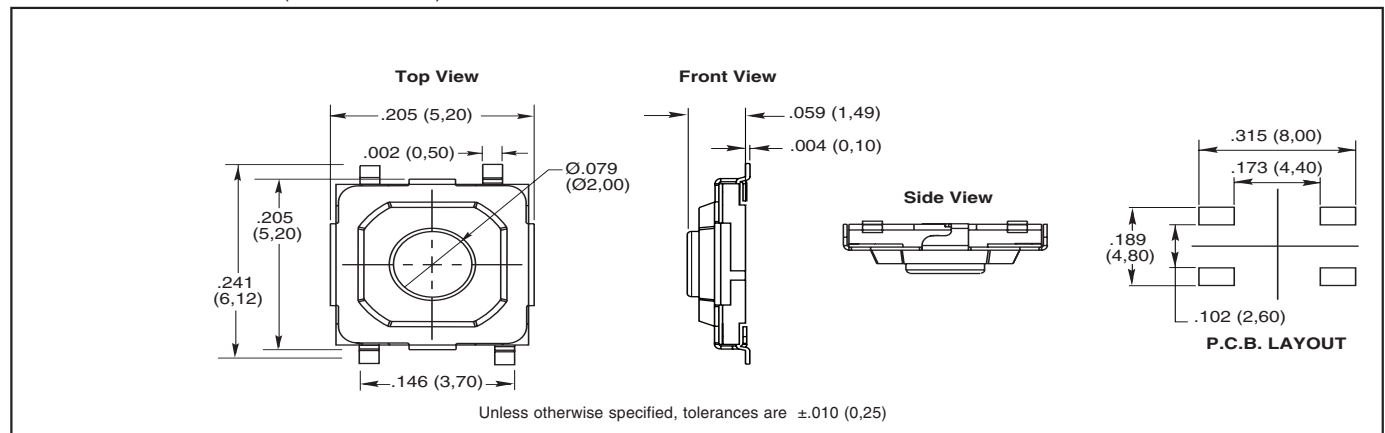
- Excellent Tactile Feedback
- Compatible with SMT Assembly Including Infrared and Vapor Phase
- Ultraminiature and Lightweight Structure Suitable for High Density Mounting
- Insert Molded Terminals to Prevent Flux Build-Up During Soldering

### 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.



### DIMENSIONS In inches (and millimeters)



### SPECIFICATIONS

#### Materials

**Base:** UL94V-0 LCP thermoplastic

**Cover:** Nickel silver

**Actuator:** Brass with nickel-plating

**Terminal:** Brass with silver-plating

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

#### Electrical

**Rating:** 50mA, 12 Vdc

**Life:** 160g: 1,000,000 cycles;

260g: 200,000 cycles

**Actuator Travel:** .010" + .008" / - .004"

**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

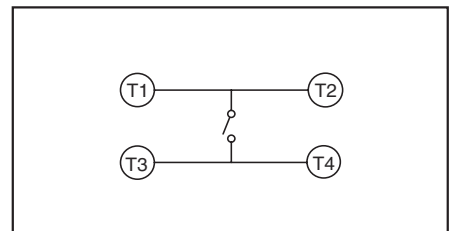
**Operating Temp. Range:** -25 to 70°C

**Storage Temp. Range:** -30 to 80°C

**Mechanical Shock:** MIL-STD-202F, Method 213B, Test Condition A. Gravity: 50G (peak value), 11 msec. Direction and times: 6 sides and 3 times in each direction.

**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

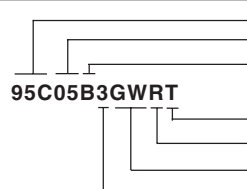
**Hand Soldering:** Use a soldering iron of 30 watts, controlled at 350°C for 5 seconds maximum while applying solder.

**Reflow Soldering:** Peak temperature 260°C (500°F).

#### Packaging

Tape and Reel: 4000 pcs/reel.

### ORDERING INFORMATION

|                                                                                     |                                                    |
|-------------------------------------------------------------------------------------|----------------------------------------------------|
|  | <b>Series</b>                                      |
|                                                                                     | <b>Size:</b> 05 = 5mm Square                       |
|                                                                                     | <b>Height:</b> B = .059 (1,49)                     |
|                                                                                     | <b>RoHS compliant</b>                              |
|                                                                                     | <b>Packaging:</b> R = Tape and Reel (see pkg note) |
|                                                                                     | <b>Terminal Style:</b> GW = Gull Wing              |
|                                                                                     | <b>Operating Force:</b> 3 = 160g, 4 = 260g         |

Available from your local Grayhill Component Distributor.

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

## SERIES 95C

6mm Square, Washable



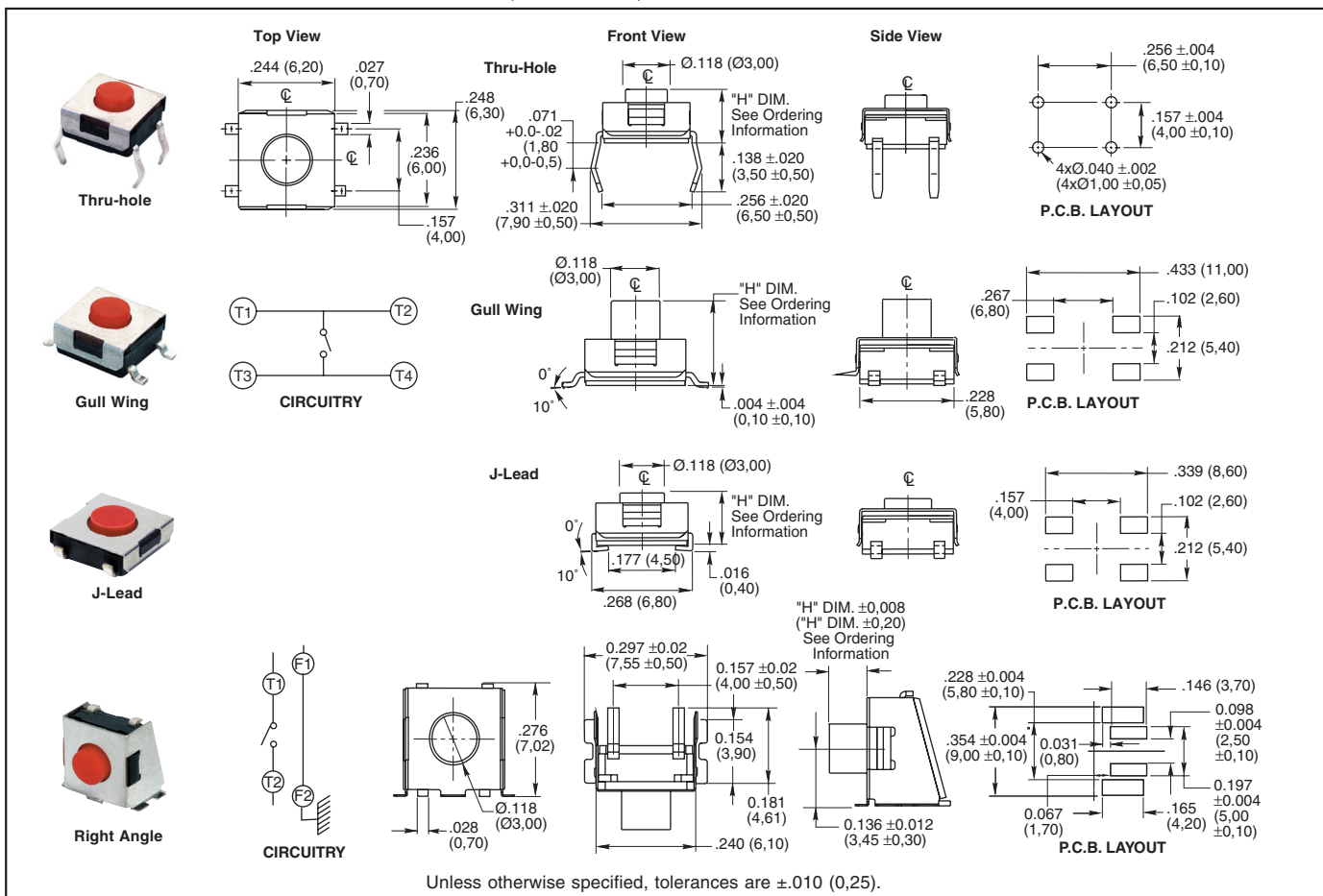
### FEATURES

- Designed to Allow Submersed Washing After Soldering
- 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

### 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: Washable Switches In inches (and millimeters)



### SPECIFICATIONS:

#### Washable Switches

##### Materials

**Base:** UL94V-0 Nylon thermoplastic  
**Cover:** Stainless steel, nickel silver  
**Actuator:** Silicone rubber  
**Terminal:** Brass with silver-plating  
**Contact:** Stainless steel with silver-plating

##### Electrical

**Rating:** 50mA, 12 Vdc  
**Life:** See table, page C-12  
**Actuator Travel:** .018" ± .008"  
**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 350°C for 5 seconds maximum while applying solder.  
**Reflow Soldering** (surface mount versions only): Peak temperature 260°C (500°F).  
**Wave Soldering:** 260°C (500°F) maximum for 5 seconds subject to PCB .063 in. (1,60 mm) thickness.

## ORDERING INFORMATION: Washable Switches

## Thru-Hole

| Part Number | Height ("H") in (mm) | Force (Grams) | Actuator Color | Electrical Life (Cycles) | Tube Packaging |
|-------------|----------------------|---------------|----------------|--------------------------|----------------|
| 95CW06A1T   | .091 (2,3)           | 160           | Silver         | 100,000                  | 75PCS/Tube     |
| 95CW06B1T   | .122 (3,1)           | 160           | Brown          | 100,000                  | 75PCS/Tube     |
| 95CW06C2T   | .138 (3,5)           | 180           | Brown          | 500,000                  | 75PCS/Tube     |
| 95CW06C3T   | .138 (3,5)           | 260           | Red            | 500,000                  | 75PCS/Tube     |
| 95CW06C5T   | .138 (3,5)           | 360           | Clear          | 500,000                  | 75PCS/Tube     |
| 95CW06D2T   | .150 (3,8)           | 180           | Brown          | 500,000                  | 75PCS/Tube     |
| 95CW06D3T   | .150 (3,8)           | 260           | Red            | 500,000                  | 75PCS/Tube     |
| 95CW06D4T   | .150 (3,8)           | 520           | Yellow         | 50,000                   | 75PCS/Tube     |
| 95CW06D5T   | .150 (3,8)           | 360           | Clear          | 500,000                  | 75PCS/Tube     |
| 95CW06E2T   | .205 (5,2)           | 180           | Brown          | 500,000                  | 77PCS/Tube     |
| 95CW06E3T   | .205 (5,2)           | 260           | Red            | 500,000                  | 77PCS/Tube     |
| 95CW06E4T   | .205 (5,2)           | 520           | Yellow         | 50,000                   | 77PCS/Tube     |
| 95CW06E5T   | .205 (5,2)           | 360           | Clear          | 500,000                  | 77PCS/Tube     |

## Gull Wing

| Part Number | Height ("H") in (mm) | Force (Grams) | Actuator Color | Electrical Life (Cycles) | Tube Packaging | Tape & Reel* Packaging |
|-------------|----------------------|---------------|----------------|--------------------------|----------------|------------------------|
| 95CW06A1GWT | .091 (2,29)          | 160           | Silver         | 100,000                  | 75PCS/Tube     | 2000PCS/Reel           |
| 95CW06B1GWT | .122 (3,10)          | 160           | Brown          | 100,000                  | 75PCS/Tube     | 2000PCS/Reel           |
| 95CW06C2GWT | .138 (3,51)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06C3GWT | .138 (3,51)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06C5GWT | .138 (3,51)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06D2GWT | .150 (3,81)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06D3GWT | .150 (3,81)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06D4GWT | .150 (3,81)          | 520           | Yellow         | 50,000                   | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06D5GWT | .150 (3,81)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06E2GWT | .205 (5,21)          | 180           | Brown          | 500,000                  | 77PCS/Tube     | 900PCS/Reel            |
| 95CW06E3GWT | .205 (5,21)          | 260           | Red            | 500,000                  | 77PCS/Tube     | 900PCS/Reel            |
| 95CW06E4GWT | .205 (5,21)          | 520           | Yellow         | 50,000                   | 77PCS/Tube     | 900PCS/Reel            |
| 95CW06E5GWT | .205 (5,21)          | 360           | Clear          | 500,000                  | 77PCS/Tube     | 900PCS/Reel            |

## J-Lead

| Part Number | Height ("H") in (mm) | Force (Grams) | Actuator Color | Electrical Life (Cycles) | Tube Packaging | Tape & Reel* Packaging |
|-------------|----------------------|---------------|----------------|--------------------------|----------------|------------------------|
| 95CW06A1JT  | .091 (2,29)          | 160           | Silver         | 100,000                  | 75PCS/Tube     | 2000PCS/Reel           |
| 95CW06B1JT  | .122 (3,10)          | 160           | Brown          | 100,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06C2JT  | .138 (3,51)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06C3JT  | .138 (3,51)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06C5JT  | .138 (3,51)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06D2JT  | .150 (3,81)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06D3JT  | .150 (3,81)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06D4JT  | .150 (3,81)          | 520           | Yellow         | 50,000                   | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06D5JT  | .150 (3,81)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06E2JT  | .205 (5,21)          | 180           | Brown          | 500,000                  | 77PCS/Tube     | 900PCS/Reel            |
| 95CW06E3JT  | .205 (5,21)          | 260           | Red            | 500,000                  | 77PCS/Tube     | 900PCS/Reel            |
| 95CW06E4JT  | .205 (5,21)          | 520           | Yellow         | 50,000                   | 77PCS/Tube     | 900PCS/Reel            |
| 95CW06E5JT  | .205 (5,21)          | 360           | Clear          | 500,000                  | 77PCS/Tube     | 900PCS/Reel            |

## Right Angle

| Part Number  | Height in ("H") (mm) | Force (Grams) | Actuator Color | Electrical Life (Cycles) | Tape & Reel Packaging |
|--------------|----------------------|---------------|----------------|--------------------------|-----------------------|
| 95CW06A3RART | .031 (0,79)          | 260           | Red            | 500,000                  | 700PCS/Reel           |
| 95CW06B3RART | .039 (0,99)          | 260           | Red            | 500,000                  | 700PCS/Reel           |
| 95CW06C3RART | .091 (2,31)          | 260           | Red            | 500,000                  | 700PCS/Reel           |

Available from your local Grayhill Component Distributor. \*Insert "R" before "T" for tape and reel packaging.  
For prices and discounts, contact a local Sales Office, an authorized local distributor, or Grayhill.