

ORDERING INFORMATION: Non-Washable Switches

Thru-Hole and Gull Wing 95C06A2GWRT	Series Size: 06 = 6mm Square Height ("H"): A = .169 (4,29), B = .197 (5,00), C = .276 (7,01), D = .374 (9,50), E = .512 (13,00) F = .287 (7,29) for use with decorative caps 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): 2 = 100g (Black), 3 = 160g (Brown), 4 = 260g (Red), 5 = 320g (Orange), 6 = 520g (Yellow)
	Series Size: 06 = 6mm Square Height ("H"): A = .124 (3,14), B = .152 (3,86), C = .230 (5,84), D = .329 (8,36), E = .467 (11,86) F = .242 (6,15) for use with decorative caps RoHS compliant Terminal Style: RA = Right Angle Operating Force (Actuator Color): 2 = 100g (Black), 3 = 160g (Brown), 4 = 260g (Red)
Right Angle 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		<table> <tr> <th>PART NUMBER</th><th>SWITCH SIZE</th><th>SHAPE</th><th>COLOR</th><th>FIGURE</th></tr> <tr><td>95CAP-000</td><td>6mm</td><td>SQUARE</td><td>YELLOW</td><td>1</td></tr> <tr><td>95CAP-001</td><td>6mm</td><td>SQUARE</td><td>BLUE</td><td>1</td></tr> <tr><td>95CAP-002</td><td>6mm</td><td>SQUARE</td><td>RED</td><td>1</td></tr> <tr><td>95CAP-003</td><td>6mm</td><td>SQUARE</td><td>NATURAL</td><td>1</td></tr> <tr><td>95CAP-004</td><td>6mm</td><td>SQUARE</td><td>BLACK</td><td>1</td></tr> <tr><td>95CAP-005</td><td>6mm</td><td>SQUARE</td><td>GREEN</td><td>1</td></tr> <tr><td>95CAP-006</td><td>6mm</td><td>SQUARE</td><td>ORANGE</td><td>1</td></tr> <tr><td>95CAP-010</td><td>6mm</td><td>ROUND</td><td>YELLOW</td><td>2</td></tr> <tr><td>95CAP-011</td><td>6mm</td><td>ROUND</td><td>BLUE</td><td>2</td></tr> <tr><td>95CAP-012</td><td>6mm</td><td>ROUND</td><td>RED</td><td>2</td></tr> <tr><td>95CAP-013</td><td>6mm</td><td>ROUND</td><td>NATURAL</td><td>2</td></tr> <tr><td>95CAP-014</td><td>6mm</td><td>ROUND</td><td>BLACK</td><td>2</td></tr> <tr><td>95CAP-015</td><td>6mm</td><td>ROUND</td><td>GREEN</td><td>2</td></tr> <tr><td>95CAP-016</td><td>6mm</td><td>ROUND</td><td>ORANGE</td><td>2</td></tr> </table>	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
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