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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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General Specifications

Electrical Capacity (Resistive Load)

Logic Level: 0.4VA maximum @ 28V AC/DC maximum (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V) Note: Find additional explanation of operating range in Supplement section.

Other Ratings

| Contact Resistance: | 80 milliohms maximum |
|--------------------------|--------------------------------------|
| Insulation Resistance: | 500 megohms minimum @ 500V DC |
| Dielectric Strength: | 500V AC minimum for 1 minute minimum |
| Mechanical Life: | 50,000 operations minimum |
| Electrical Life: | 50,000 operations minimum |
| Nominal Operating Force: | 1.0N |
| Angle of Throw: | 28° |

Materials & Finishes

| Polycarbonate resin (UL94V-0) |
|--|
| Glass fiber reinforced polyamide (UL94V-0) |
| Nitrile butadiene rubber |
| Glass fiber reinforced polyamide |
| Phosphor bronze with gold plating |
| Phosphor bronze with gold plating |
| Phosphor bronze with gold plating |
| |

Environmental Data

| Operating Temperature Range: | –25°C through +55°C (–13°F through +131°F) |
|------------------------------|--|
| Humidity: | 90 ~ 95% humidity for 240 hours @ 40°C (104°F) |
| Vibration: | 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning in |
| | 5 minutes; 3 right angled directions for 2 hours |
| Shock: | 50G (490m/s ²) acceleration (tested in 3 right angled directions, with 5 shocks in each direction) |
| | |

PCB Processing

Soldering:Wave Soldering recommended. See Profile A in Supplement section.Manual Soldering:See Profile A in Supplement section.Cleaning:These devices are not process sealed. Hand clean locally using alcohol based solution.

Standards & Certifications

Flammability Standard: UL94

UL94V-0 actuator & case

The GW Series illuminated paddles have not been tested for UL recognition or CSA certification. These switches are designed for use in a low-voltage, low-current, logic-level circuit. When used as intended in a logic-level circuit, the results do not produce hazardous energy.

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Toggles

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Touch

Rotaries

Slides



Distinctive Characteristics

World's smallest fully illuminated paddles (patent pending) for highly visible status indication; LEDs available in red, green, or amber for single color and red/green for bicolor.

Specially designed switching mechanism provides crisp actuation feedback to positively indicate circuit transfer (patent pending).

Insert molded terminals prevent entry of flux and other contaminants.

Award-winning STC contact mechanism with benefits unavailable in conventional mechanisms: smoother, positive detent actuation, increased contact stability, and unparalleled logic-level reliability. (Additional STC details in Terms & Acronyms; see Supplement section.)

 $.100^{\prime\prime}$ x $.100^{\prime\prime}$ (2.54mm x 2.54mm) terminal spacing conforms to standard PC board grid spacing for straight and angle mounting.



Actual Size



Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides

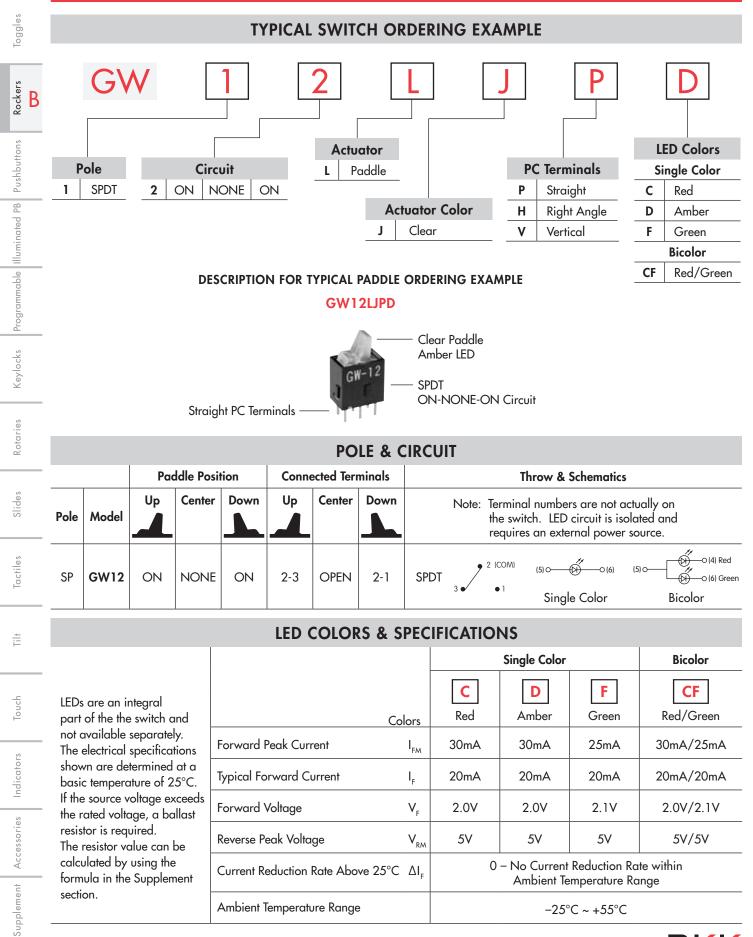
Tactiles

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Touch

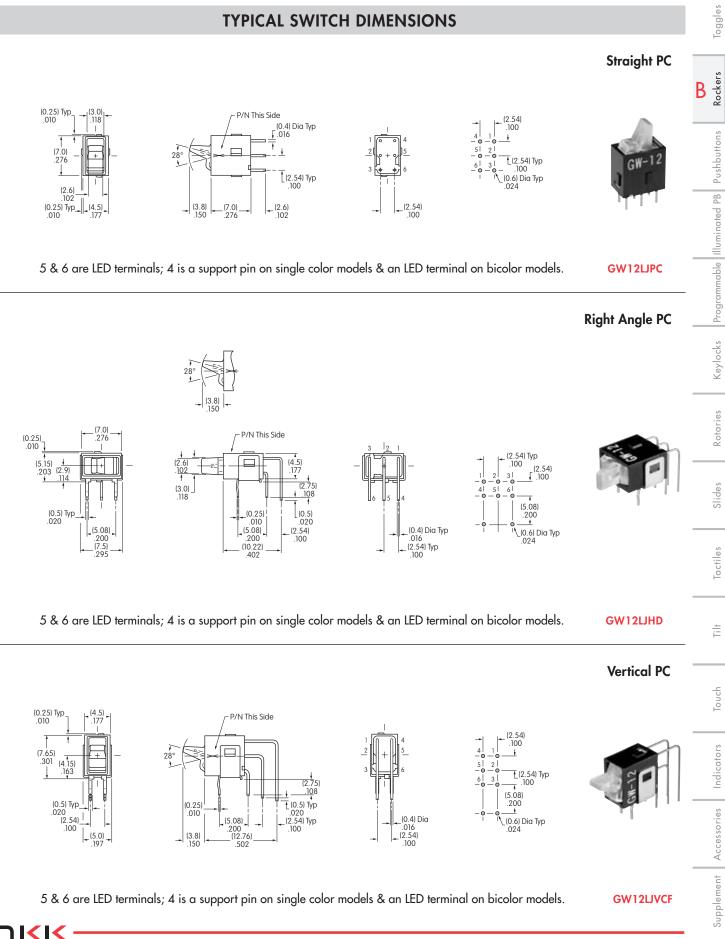
Supplement Accessories Indicators

Ultra-Thin Fully Illuminated Paddles





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