imall

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:	50 milliohms maximum
Insulation Resistance:	500 megohms minimum @ 500V DC
Dielectric Strength:	500V AC minimum for 1 minute minimum
Mechanical Life:	100,000 operations minimum
Electrical Life:	50,000 operations minimum
Nominal Operating Force:	1.18N
Contact Timing:	Nonshorting (break-before-make)
Angle of Throw:	26°

Materials & Finishes

Actuator:	Polyamide
Bushing Housing:	Polyamide
Case Housing:	Glass fiber reinforced polyamide
Support Bracket:	Phosphor bronze with tin plating
Movable Contact:	Phosphor bronze with gold plating
Stationary Contacts:	Brass with tin plating
Terminals:	Brass 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:	Automated alcohol based cleaning recommended, 5 minutes maximum. Do not use high-purity
-	alcohol (50% alcohol or more) or organic solvent. High alcohol solution can damage clear plastic.
	See Cleaning specifications in Supplement section.

Standards & Certifications

The B Series illuminated toggles 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.

Rotaries

A Toggles

Touch

Indicators



Series B

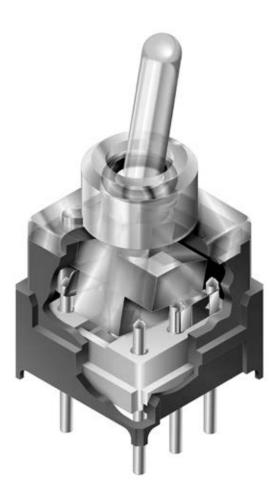
Distinctive Characteristics

LED provides maximum illumination to bushing and actuator, indicating actuator status in highly visible green, red, or amber for single color or red/green for bicolor. (Patent pending.)

Totally sealed body construction prevents contact contamination and allows time- and money-saving automated soldering and cleaning. Molded-in, epoxy sealed terminals lock out 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" x .100" (2.54mm x 2.54mm) terminal spacing conforms to standard PC board grid spacing.



Actual Size



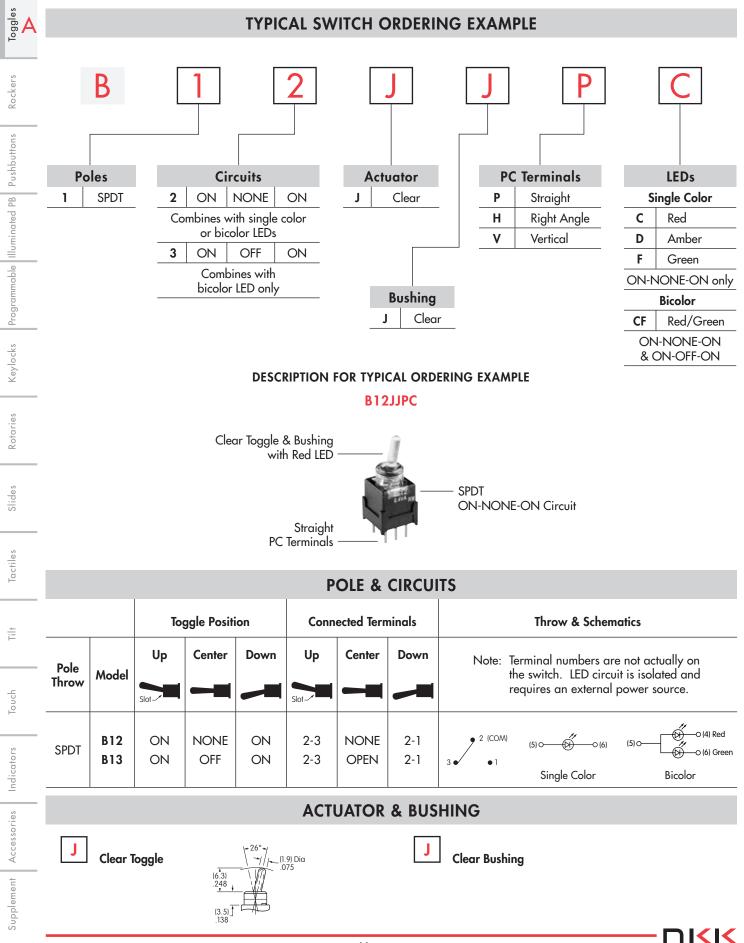
Rockers

Toggles

Tactiles



Series B



CHES

Series B

