V Ioggles

Rockers

Keylocks | Programmable | Illuminated PB | Pushbuttons

Rotaries

Tactiles

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Touch

Supplement Accessories Indicators

General Specifications

Electrical Capacity (Resistive Load)

Logic Level:

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

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:	1.6N for momentary & 1.7N for maintained
Angle of Throw:	28°
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Actuator:	Polyphenylene sultide (UL94V-0)
Case:	Polyphenylene sulfide (UL94V-0)
Sealing Rings:	Nitrile butadiene rubber
Movable Contacts:	Phosphor bronze with gold plating
Stationary Contacts:	Phosphor bronze with gold plating
Base:	Polyphenylene sulfide (UL94V-0)
Terminals:	Phosphor bronze with gold plating

Slides **Environmental Data**

Operating lemperature Range: Humidity: Vibration: Shock:	-30°C through +85°C (-22°F through +185°F) 90 ~ 95% humidity for 96 hours @ 40°C (104°F) 10 ~ 500Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning in 1 minute; 3 right angled directions for 2 hours 50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)
Installation Mounting: Coplanarity:	It is recommended that the body of models for upright mounting without bracket be fastened to a panel or similar support for protection of solder joints from mechanical stress. See specifications in Terms & Acronyms in Supplement section
Processing Soldering: Cleaning:	Reflow Soldering recommended. See Profile B in Supplement section. Manual Soldering: See Profile B in Supplement section. Automated cleaning. See Cleaning specifications in Supplement section.
Standards & Certifications Flammability Standard:	UL94V-0 actuator, case & base The G3T Series 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.



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Distinctive Characteristics

Ultra-miniature size allows high density mounting, and extremely light weight of 0.6 gram makes these switches ideal for handheld equipment.

Tape-reel and stick-tube packaging allow rapid automated placement of surface mount devices. Tape-reel packaging meets EIA-481-D Standard.

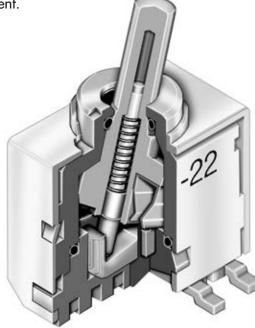
Heat resistant resin used for housing, base, and lever allows vapor phase and infrared convection reflow soldering.

Combination of design features achieves total seal and allows automated processing techniques, including flux cleaning procedures: one-piece bushing and housing, rubber seals surrounding actuator and base, epoxy at joint of case and base, and molded-in, epoxy-sealed terminals.

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.)

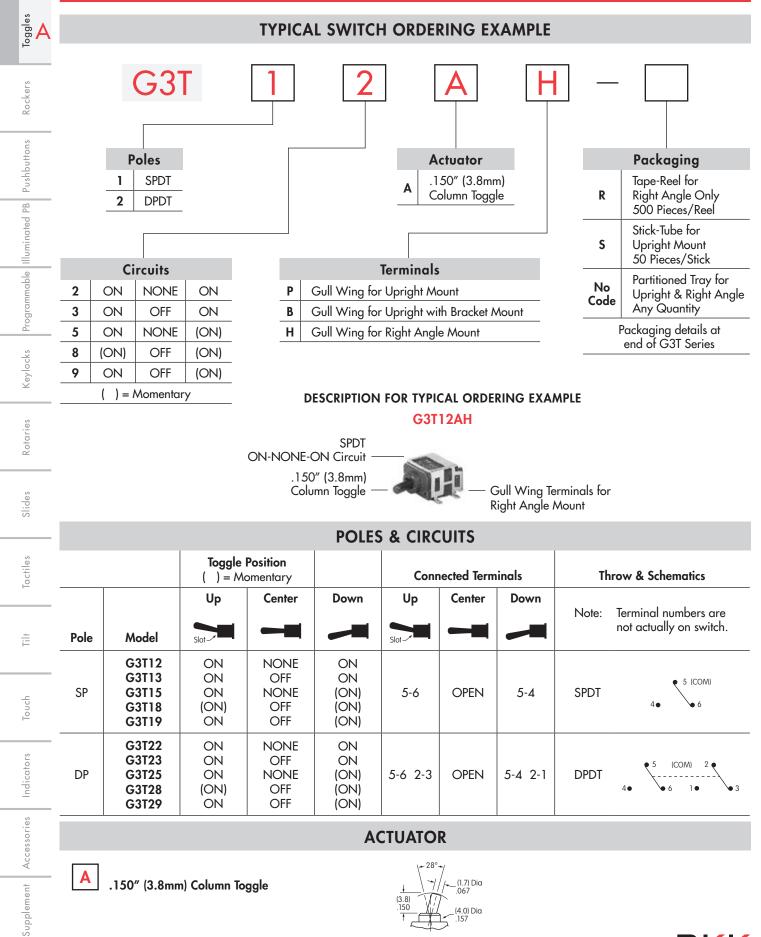
Gull-wing terminals provide mechanical stability during soldering and simplified solder joint inspection.

Coplanarity: all considered surfaces must lie between two parallel planes that are a maximum distance apart of .0059" (0.15mm). (Additional coplanarity details in Terms and Acronyms in the Supplement section.)

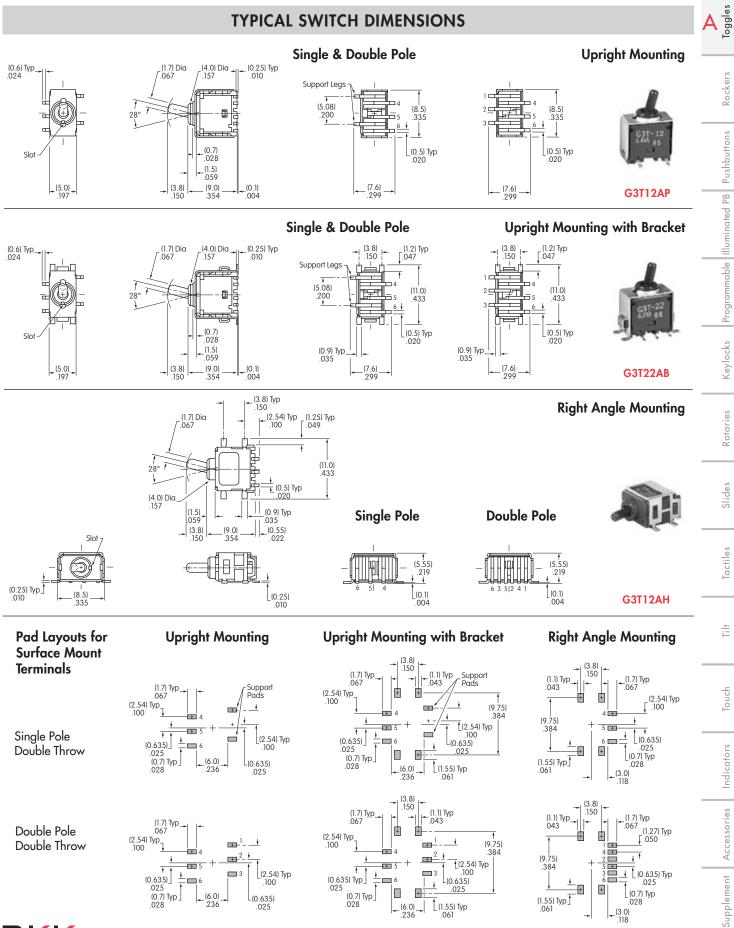








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Tape-Reel

Stick-Tube

for Upright Mount

Switches must be ordered in 50-piece increments when stick-tube packaging is selected.

50 pieces per stick

for Right Angle

500 pieces per reel

Switches must be ordered in 500-piece increments when tape-reel packaging is selected.

This packaging meets EIA-481-D Standard for "16mm and 24mm Embossed Carrier Taping of Surface Mount Components for Automatic Handling."

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PACKAGING

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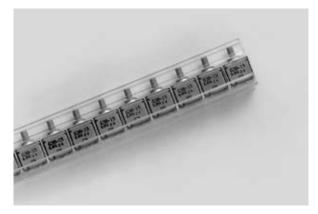
Supplement Accessories

Partitioned Tray for Upright & Right Angle

Any quantity

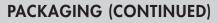
If the G3 upright models are ordered in less than 50-piece increments or the right angle models in less than 500-piece increments, the switches are packaged in a partitioned tray. No code is required.



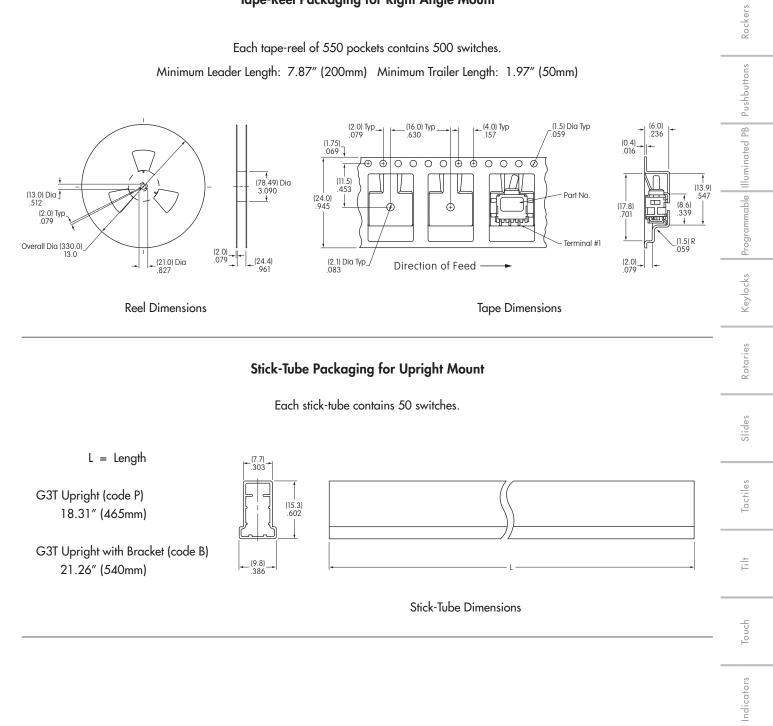








Tape-Reel Packaging for Right Angle Mount



Supplement 📗 Accessories

Series G3T

Toggles

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