

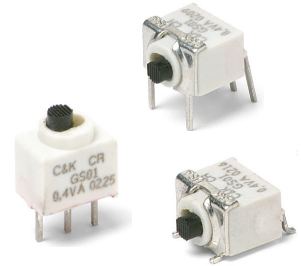
# GS Series Sealed Ultraminiature Slide Switches

## Features/Benefits

- Ultraminiature design saves PCB space
- Sealed construction, process compatible with most PCB wash processes
- Available in thru-hole and surface mount
- Long life contact design
- RoHS compliant

## Typical Applications

- Computer peripherals & network products
- Test & measurement equipment
- Telephone & cable modems



## Specifications

CONTACT RATING: 0.4 VA max. @ 20 V AC or DC max.

MECHANICAL & ELECTRICAL LIFE: 40,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 50 m Ω typ. initial @ 2-4 V DC, 100 mA.

INSULATION RESISTANCE: 10<sup>9</sup> Ω min.

DIELECTRIC STRENGTH: 500 Vrms min. @ sea level.

STORAGE & OPERATING TEMPERATURE: -40°C to 85°C.

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

PACKAGING: Switches available in embossed anti-static tape and reels per EIA 481A. Some models available on embossed anti-static tape and reels per EIA 481-3, consult Customer Service Center.

## Materials

HOUSING & BASE: Glass filled 4/6, flame retardant, heat stabilized (UL 94V-0).

ACTUATOR: Polyetherimide PEI (UL 94V-0), with standard internal seal.

SWITCH SUPPORT: Brass, matte-tin plated.

MOVABLE CONTACT: Copper with gold plate over nickel plate.

STATIONARY CONTACTS: Copper alloy, with gold plate over nickel plate.

TERMINALS: Copper alloy, with gold plate over nickel plate.

TERMINAL SEAL: Epoxy. All terminals insert molded.

**NOTE:** All models are RoHS compliant and compatible with all options.

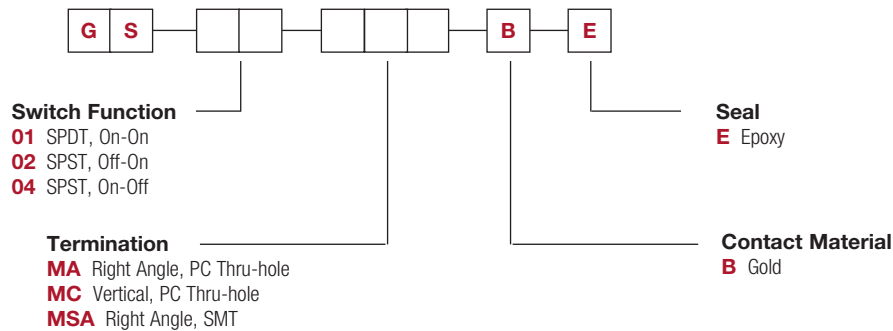
**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.



Slide

## How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

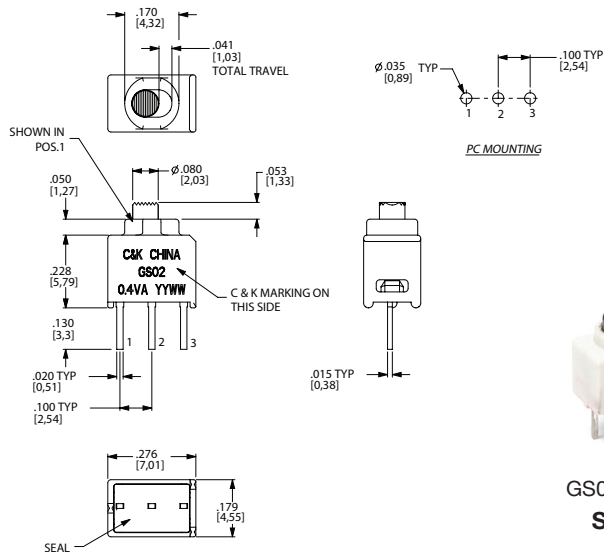


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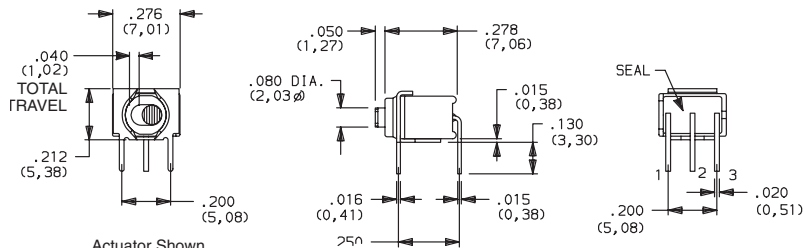


Slide

PART NUMBER	SWITCH FUNCTION		SCHEMATIC
	POS. 1	POS. 2	
<b>GS01MCBE</b>	ON	ON	 SPDT
Conn. Terms.	2-1	2-3	
<b>GS02MCBE</b>	OFF	ON	 SPST
Conn. Terms.	OPEN	3-1	
<b>GS04MCBE</b>	ON	OFF	 SPST
Conn. Terms.	1-3	OPEN	



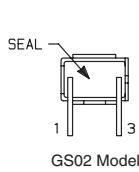
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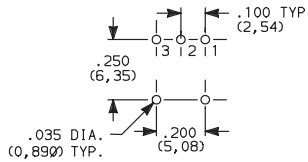
Actuator Shown in Pos. 1



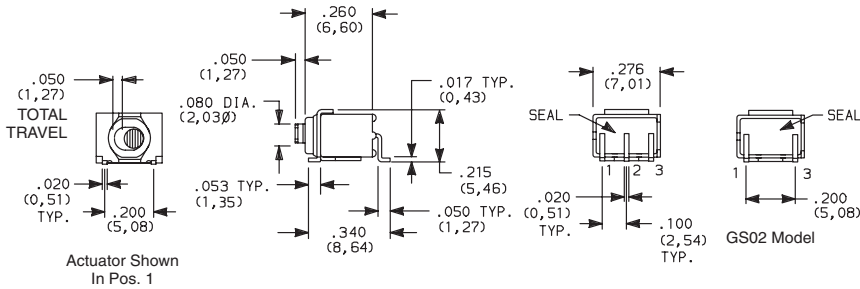
GS01MABE  
Horizontal Actuation  
SPDT



PC MOUNTING



PART NUMBER	SWITCH FUNCTION		SCHEMATIC
	POS.1	POS. 2	
<b>GS01MABE</b>	ON	ON	 1 2 (COMM) 3 SPDT
Conn. Terms.	2-1	2-3	
<b>GS02MABE</b>	OFF	ON	 1 3 SPST
Conn. Terms.	OPEN	3-1	
<b>GS04MABE</b>	ON	OFF	 1 3 SPST
Conn. Terms.	1-3	OPEN	



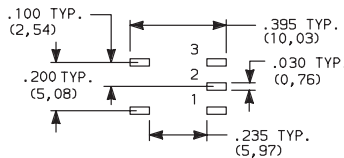
Actuator Shown in Pos. 1

SMT



GS01MSABE  
Horizontal Actuation  
SPDT

PC MOUNTING

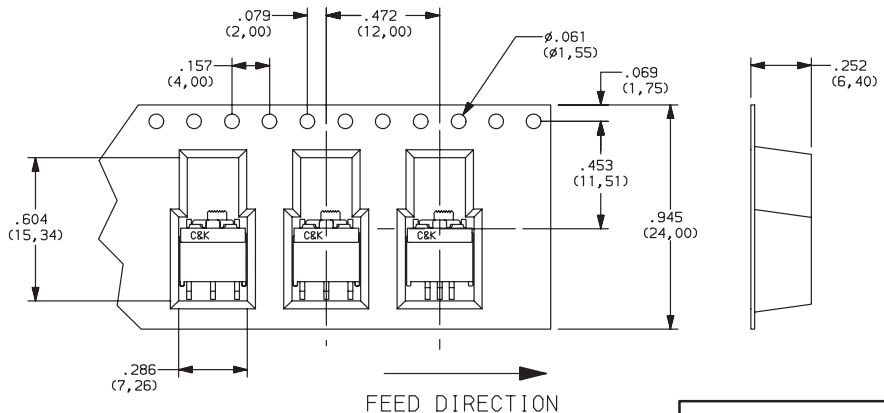


PART NUMBER	SWITCH FUNCTION		SCHEMATIC
	POS.1	POS. 2	
<b>GS01MSABE</b>	ON	ON	 1 2 (COMM) 3 SPDT
Conn. Terms.	2-1	2-3	
<b>GS02MSABE</b>	OFF	ON	 3 1 SPST
Conn. Terms.	OPEN	3-1	
<b>GS04MSABE</b>	ON	OFF	 1 3 SPST
Conn. Terms.	1-3	OPEN	

## TAPE & REEL

FOR PART NUMBERS GS01MSABE, GS02MSABE, GS04MSABE

REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.512 (13,0)
QUANTITY PER REEL	600



Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change



16 Mar 22



Slide