

G Series

Instrument Grade

Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

SPECIFICATIONS

Contact ratings:
Gold; 0.4 Volt-Amps (VA) max. at 20 V max. (AC or DC)
Silver; 4 A at 125 VAC, 2 A at 250 VAC or 3 A at 30 VDC
Initial contact resistance: 10 milliohms max.
Insulation resistance: 1000 megohms min.
Dielectric strength: 1000 V rms min.
Electrical life w/resistive load: Gold; 60,000 cycles min.
 Silver; 2 pos. - 40,000 cycles, 3 pos. - 20,000 cycles
Operating temperature range: -30°C to +85°C
Solder heat resistance: 300°C max. for 5 seconds
Washing not recommended

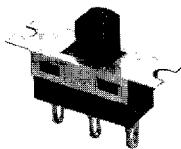
FEATURES

- Epoxy sealed terminals.
- Break-before-make contact action.
- SPDT and DPDT models with long electrical life.
- Many additional models & options available (see page G35).

MATERIALS

Contacts & terminals: Gold or silver available (see contact ratings)
Cover: Stainless steel
Actuator: Glass filled polyamide
Case: PES high temp. thermoplastic
Terminal seal: Epoxy

MODEL NO.	PLATING	ACTION
GH36S000001	Gold	on - on
GH39S000001	Gold	on off on
GH36S010001	Silver	on - on
GH39S010001	Silver	on off on

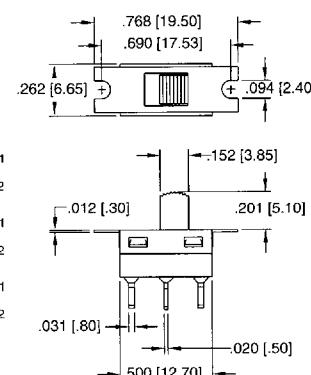


SPDT

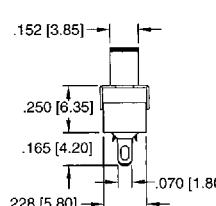
FUNCTION
(see pg. G35).

6 9
ON ON 1 1
 2 2 1 2
OFF 3 1 1
 2 2 1 2
ON ON 1 1
 2 2 1 2
● = COMMON

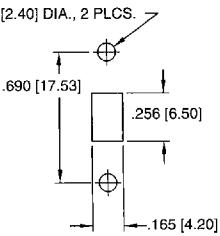
SCHEMATIC



.086 (2.20) TRAVEL/THROW

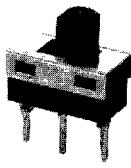


MECHANICAL OUTLINE



PANEL CUTOUT

MODEL NO.	PLATING	ACTION
GH36P000001	Gold	on - on
GH39P000001	Gold	on off on
GH36P010001	Silver	on - on
GH39P010001	Silver	on off on

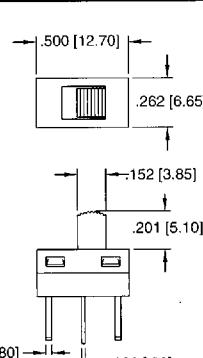


SPDT

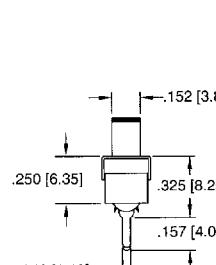
FUNCTION
(see pg. G35).

6 9
ON ON 1 1
 2 2 1 2
OFF 3 1 1
 2 2 1 2
ON ON 1 1
 2 2 1 2
● = COMMON

SCHEMATIC



.086 (2.20) TRAVEL/THROW



P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
GH36W000001	Gold	on - on
GH39W000001	Gold	on off on
GH36W010001	Silver	on - on
GH39W010001	Silver	on off on

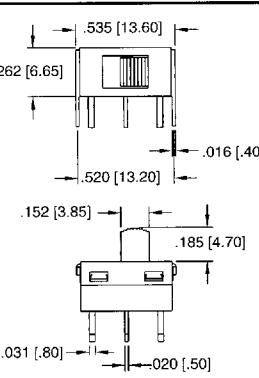


SPDT

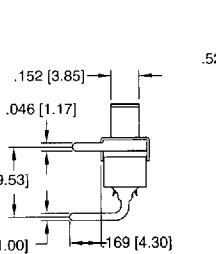
FUNCTION
(see pg. G35).

6 9
ON ON 1 1
 2 2 1 2
OFF 3 1 1
 2 2 1 2
ON ON 1 1
 2 2 1 2
● = COMMON

SCHEMATIC



.086 (2.20) TRAVEL/THROW



P.C. BOARD LAYOUT

G Series

Instrument Grade

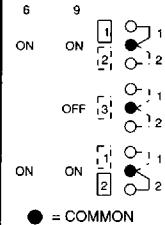
Miniature Slide Switches

MODEL NO.	PLATING	ACTION
GH36WW00001	Gold	on - on
GH39WW00001	Gold	on off on
GH36WW10001	Silver	on - on
GH39WW10001	Silver	on off on

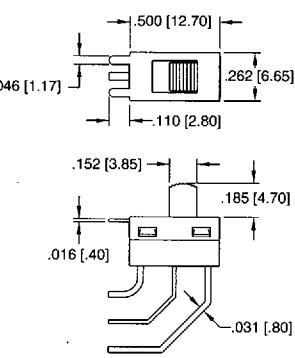


SPDT

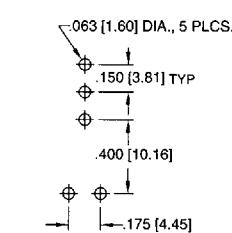
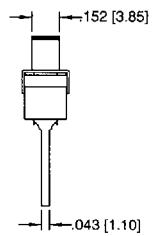
FUNCTION
(see pg. G35)



SCHEMATIC



.086 (2.20) TRAVEL/THROW



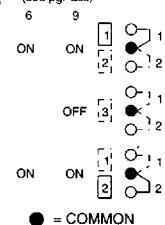
P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
GH36Y00001	Gold	on - on
GH39Y00001	Gold	on off on
GH36Y01001	Silver	on - on
GH39Y01001	Silver	on off on

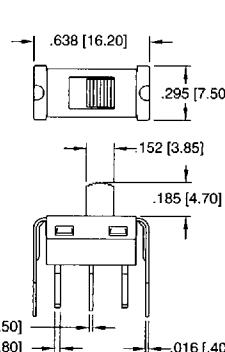


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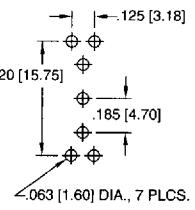
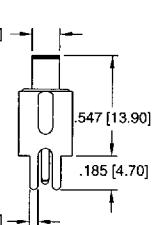
FUNCTION
(see pg. G35)



SCHEMATIC

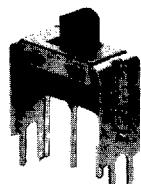


.086 (2.20) TRAVEL/THROW



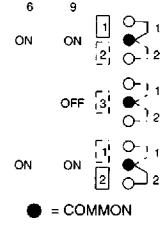
P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
GH36Y40001	Gold	on - on
GH39Y40001	Gold	on off on
GH36Y41001	Silver	on - on
GH39Y41001	Silver	on off on

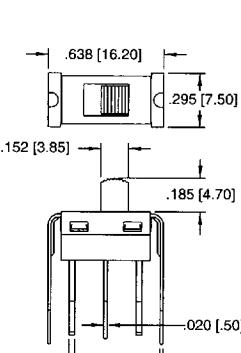


SPDT

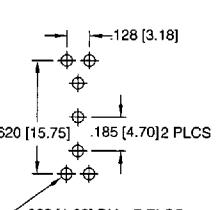
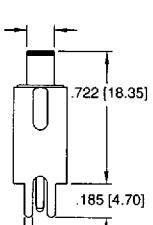
FUNCTION
(see pg. G35)



SCHEMATIC



.086 (2.20) TRAVEL/THROW



P.C. BOARD LAYOUT

ACTUATOR POSITION AND CONNECTIONS
(FOR BOTH SP & DP MODELS)



Function 6

ON

NONE

ON

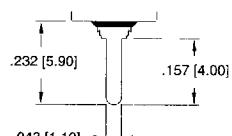
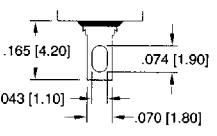
Function 9

ON

OFF

ON

SOLDER LUG TERMINAL



P.C. TERMINAL

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

1 96E ■ 6346802 0001468 786 ■

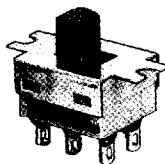
G Series

Instrument Grade

Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MODEL NO.	PLATING	ACTION
GH46S000001	Gold	on - on
GH49S000001	Gold	on off on
GH46S010001	Silver	on - on
GH49S010001	Silver	on off on

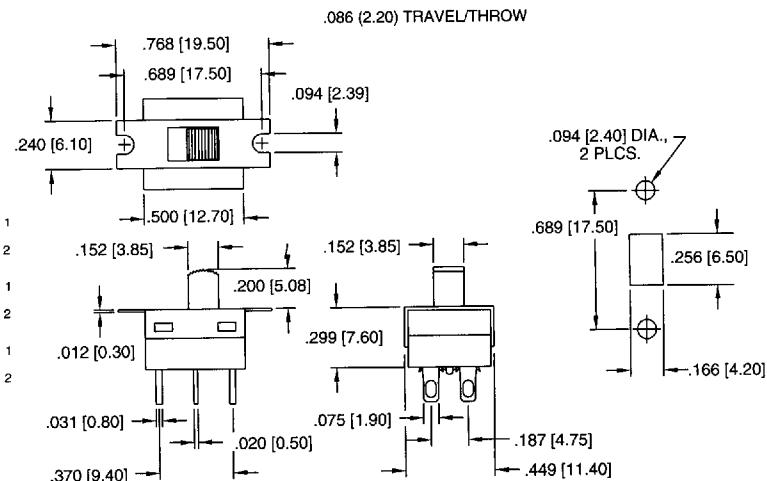
New!

DPDT

FUNCTION (see pg. G35)

6	9
ON	ON
OFF	OFF
ON	ON

● = COMMON

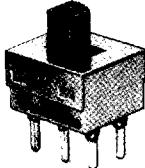


SCHEMATIC

MECHANICAL OUTLINE

P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
GH46P000001	Gold	on - on
GH49P000001	Gold	on off on
GH46P010001	Silver	on - on
GH49P010001	Silver	on off on

New!

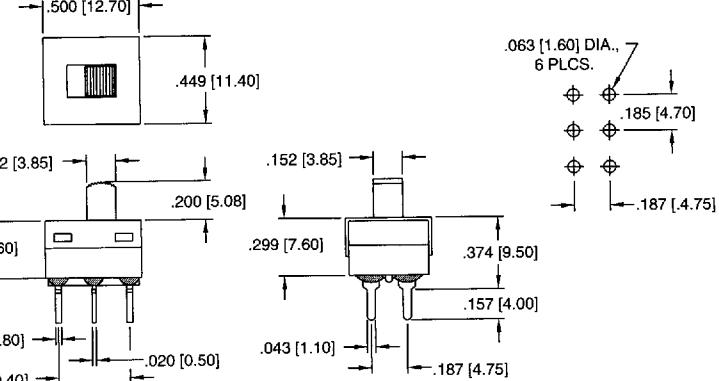
DPDT

.086 (2.20) TRAVEL/THROW

FUNCTION (see pg. G35)

6	9
ON	ON
OFF	OFF
ON	ON

● = COMMON

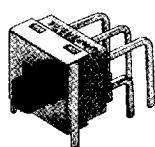


SCHEMATIC

MECHANICAL OUTLINE

P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
GH46W000001	Gold	on - on
GH49W000001	Gold	on off on
GH46W010001	Silver	on - on
GH49W010001	Silver	on off on

New!

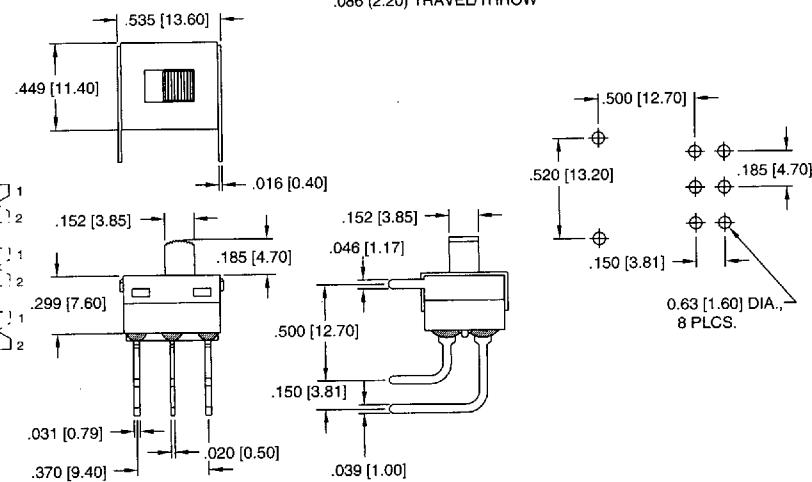
DPDT

.086 (2.20) TRAVEL/THROW

FUNCTION (see pg. G35)

6	9
ON	ON
OFF	OFF
ON	ON

● = COMMON



SCHEMATIC

MECHANICAL OUTLINE

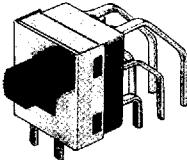
P.C. BOARD LAYOUT

G Series

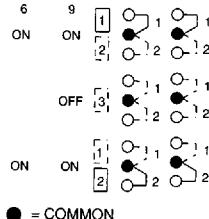
Instrument Grade

Miniature Slide Switches

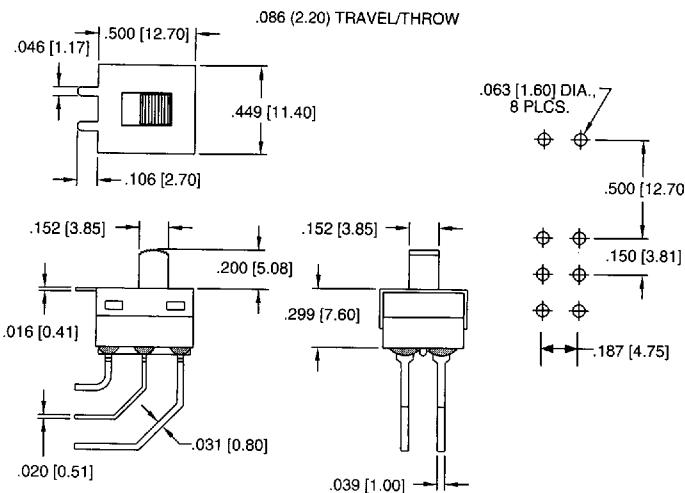
MODEL NO.	PLATING	ACTION
GH46WW00001	Gold	on - on
GH49WW00001	Gold	on off on
GH46WW10001	Silver	on - on
GH49WW10001	Silver	on off on

New!

DPDT

FUNCTION
(see pg. G35)

.086 (2.20) TRAVEL/THROW

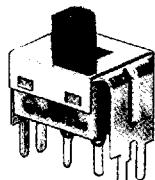


SCHEMATIC

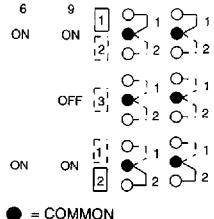
MECHANICAL OUTLINE

P.C. BOARD LAYOUT

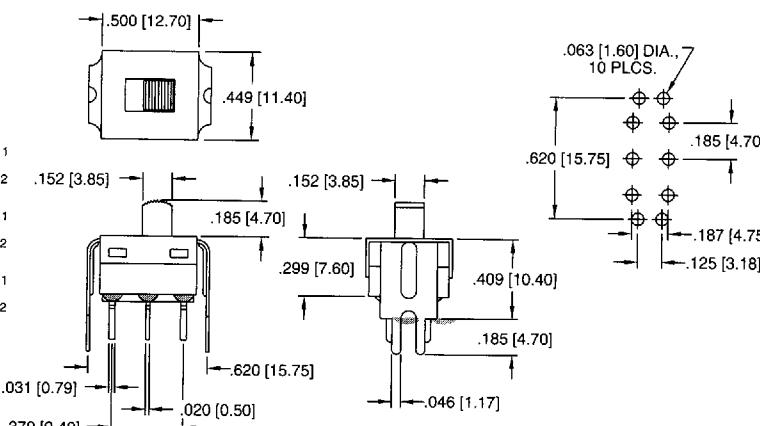
MODEL NO.	PLATING	ACTION
GH46Y00001	Gold	on - on
GH49Y00001	Gold	on off on
GH46Y01001	Silver	on - on
GH49Y01001	Silver	on off on

New!

DPDT

FUNCTION
(see pg. G35)

.086 (2.20) TRAVEL/THROW

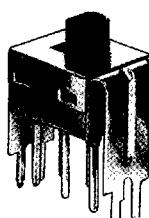


SCHEMATIC

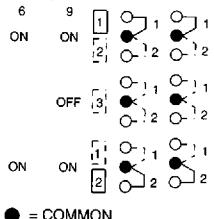
MECHANICAL OUTLINE

P.C. BOARD LAYOUT

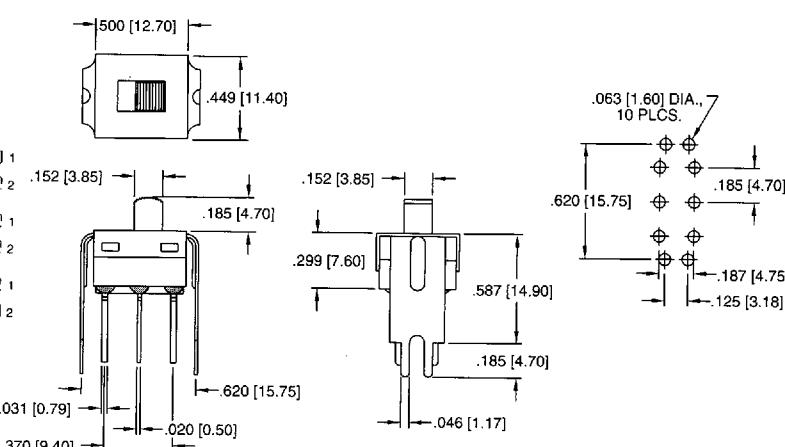
MODEL NO.	PLATING	ACTION
GH46Y40001	Gold	on - on
GH49Y40001	Gold	on off on
GH46Y41001	Silver	on - on
GH49Y41001	Silver	on off on

New!

DPDT

FUNCTION
(see pg. G35)

.086 (2.20) TRAVEL/THROW



SCHEMATIC

MECHANICAL OUTLINE

P.C. BOARD LAYOUT

Additional ordering information: Commonly ordered models are shown on pgs. G31 thru G34 with complete specifications. Below is an ordering format that enables you to 'build your own switch' by simply selecting from all available options shown and filling in the boxes.

G Series
Instrument Grade
Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

'BUILD YOUR OWN SWITCH' ORDER FORMAT

Fill in all boxes shown with options selected from below.
Allowable options for each box are shown under each respective box.

Series	Actuator Height	Poles	Function	Terminals	Contact & Term. Mat'l.	Special Option 1	Special Option 2
G	B	3	6	S 0	0	0 0	0 0
	C	4	9	P 0	1	1 0	0 1
	E		1	W 0	2	1 1	1 0
	H			WW	5	1 2	1 1
	L			Y 0	8		
	N			Y 4			

Actuators heights: Dimensions in inches and millimeters. H is standard.

B = .301" (7.65mm) C = .137" (3.50mm) E = .358" (9.10mm)

H = .200" (5.10mm) for S0 & P0 and .185" (4.70mm) for Y,Y4,W0 & WW

L = .251" (6.40mm) N = .374" (9.50mm)

Poles: 3 = Single Pole 4 = Double Pole

Functions: 6 = ON - ON 9 = ON OFF ON 1 = ON - OFF

Terminals: See completely specified models in prior section for configurations and dimensions.

S0 = Solder lugs

P0 = .250" (6.35mm) long Printed circuit terminals

W0 = Right angle horizontal p.c. terminals with mounting bracket

WW = Right angle vertical p.c. terminals with mounting bracket

Y0 = P.C. terminals with short bracket

Y4 = P.C. terminals with tall bracket

Contact & terminal materials: See contact ratings under "specifications".

0 = Gold plated brass

1 = Silver

2 = Gold plated silver

5 = Special contact with lower rating

8 = Gold plated brass contacts with tin plated terminals (not available w/S0)

Special options 1: 00 = Standard model

10 = Switch without ground plate

11 = .407" (10.35mm) long printed circuit terminals

12 = Same as 11 except without ground plate

Special options 2: 00 = No epoxy seal (for printed circuit terminals only as

S0 (solder lug) terminals are always sealed)

01 = Epoxy sealed terminals (standard on solder lug models)

10 = Extended terminals for WW models (see figure 1)

11 = Same as 10 above except with epoxy sealed terminals

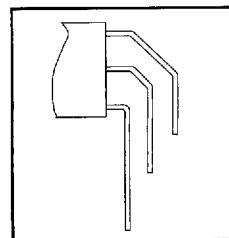


figure 1

1 96E ■ 6346802 0001471 270 ■

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Apem:

[GH49Y000001](#) [GH49Y400001](#) [GH49W010001](#) [GH49P000001](#) [GH49Y010001](#) [GH39Y000001](#) [GH46Y400001](#)
[GH46Y000001](#) [GH49Y410001](#) [GH49WW10001](#) [GH39W010001](#) [GH46Y010001](#) [GH46Y410001](#) [GH39Y410001](#)