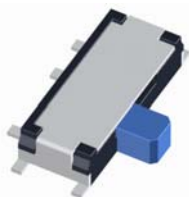


Insert Molding Mini Slide Switch - Horizontal Knob

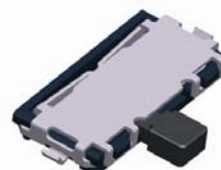
FKB-12D16



SKY-12C01



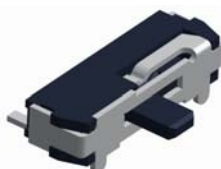
SKYD-12C03



SKY-12D01



SKY-12D13



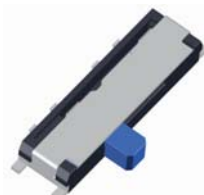
SKYB-12D22



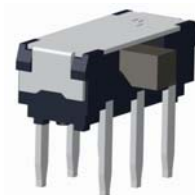
SKY-12D26



SKY-13C01



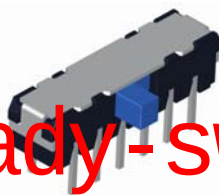
SKYB-22D01



SKY-23D01



SKY-42D13



<http://pady-switch.com>

Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
FKB-12D16	1P2T	Non-shorting	2.0mm	-20 °C to 70 °C	Dip ; Manual

Electrical Performance

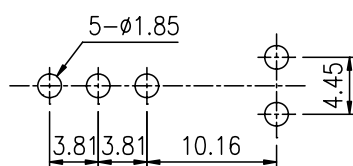
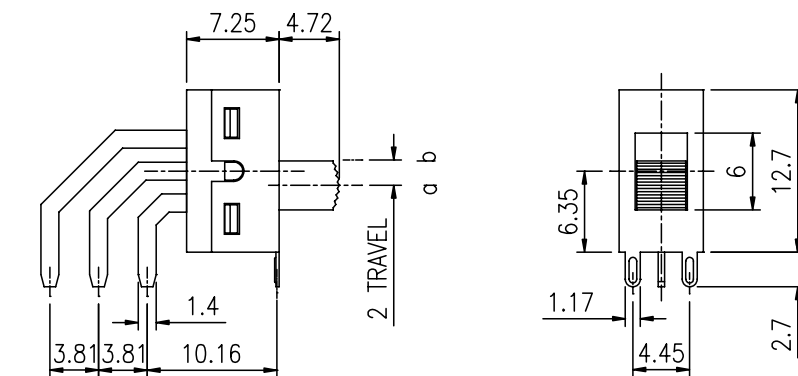
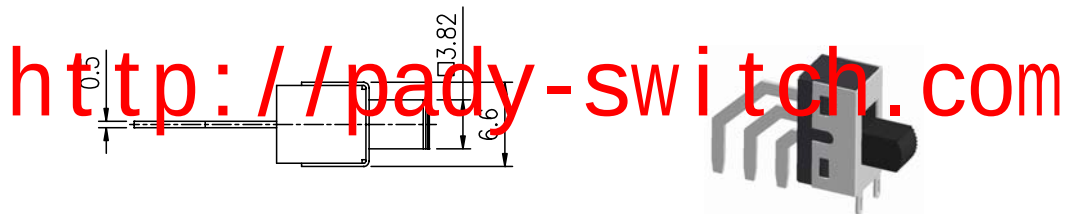
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
DC 30V 0.2A	20 m Ω max.	1000 M Ω min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

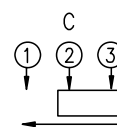
Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Dip soldering	Manual soldering
1000gf max.	0.5 kgf for 15 seconds	3.0 kgf for 30 seconds	245 $\pm$ 5 °C	260°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

Operating life without load	Cold	Dry heat	Damp heat
10,000cycles , 40 m Ω max.	-30 °C for 48 hrs	85°C for 48 hrs	40 °C , 90 to 95% RH for 96 hrs



HOLE LAYOUT



CIRCUIT DIAGRAM
C: COMMON PIN

Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SKY-12C01	1P2T	Non-specified	1.5mm	-10 °C to 60 °C	Reflow ; Manual

Electrical Performance

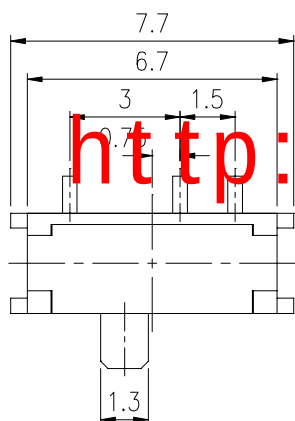
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.3A 5V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Reflow soldering	Manual soldering
120 gf ± 50 gf	0.5 kgf for 15 seconds	1.0 kgf for 15 seconds	230 ± 5 °C	260°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

Operating life with load (load: as ratings)	Cold	Dry heat	Damp heat
10,000cycles , 150 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C, 90 to 95% RH for 96 hrs



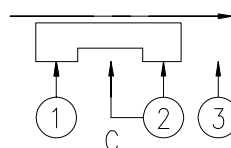
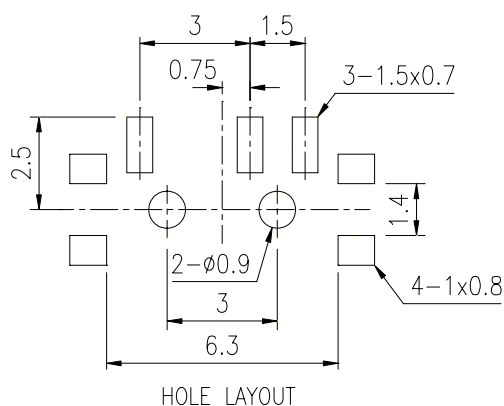
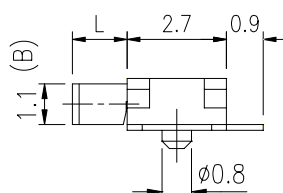
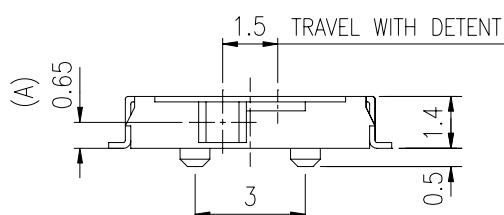
Carrier taping available

Knob Style:

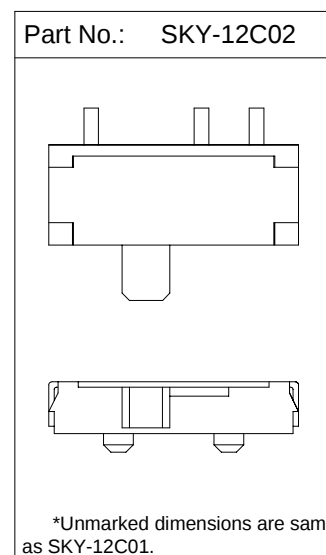
GA: A=1.0 ; B=0.4

GB: A=0.8 ; B=0.8

Available: L= 1.5 ; 2.3



CIRCUIT DIAGRAM
C: COMMON PIN
BOTTOM VIEW



Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SKYD-12C03	1P2T	Non-specified	1.5mm	-20 °C to 70 °C	Reflow ; Manual

Electrical Performance

Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
1mA 5V DC	100 m Ω max.	100 M Ω min. 500 V DC	250 V AC for 1 min.

Mechanical & Solderability Performance

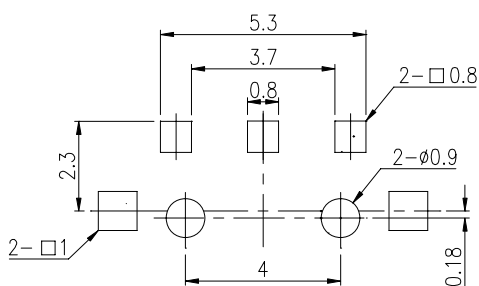
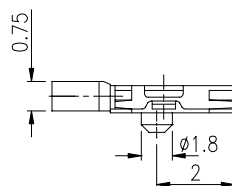
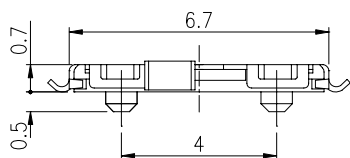
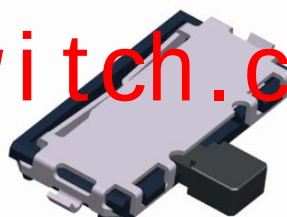
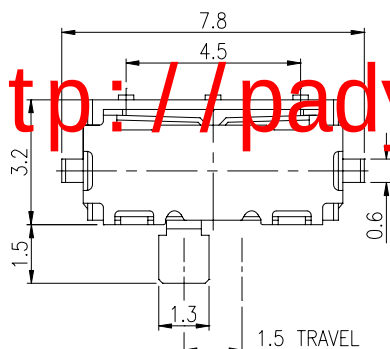
Operating force	Actuator Strength	Solderability	Resistance to soldering heat	
			Reflow soldering	Manual soldering
100 gf ^{+100 gf} _{-50gf}	0.5 kgf for 15 seconds	230 $\pm$ 5 °C	240°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

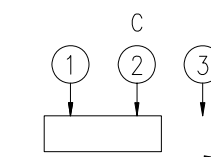
Operating life without load	Operating life with load (load: as ratings)	Cold	Dry heat	Damp heat
10,000cycles , 150 m Ω max.		-25 °C for 48 hrs	70°C for 48 hrs	40 °C , 90 to 95% RH for 96 hrs

Carrier taping available

<http://pady-switch.com>



HOLE LAYOUT



CIRCUIT DIAGRAM
C: COMMON PIN

Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SKY-12D01	1P2T	Non-shorting	2.0mm	-10 °C to 60 °C	Dip ; Manual

Electrical Performance

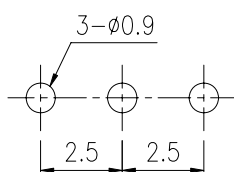
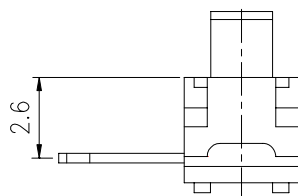
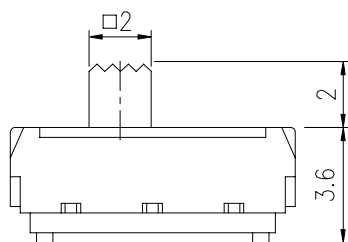
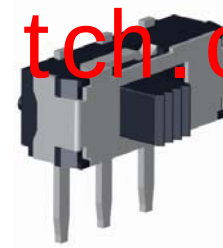
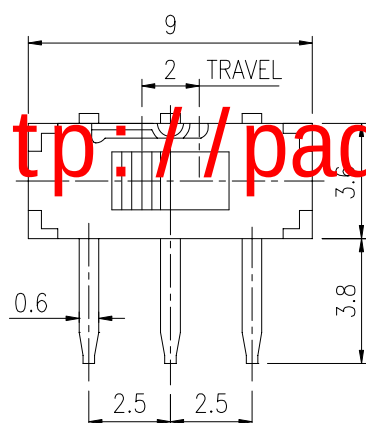
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.3A 6V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

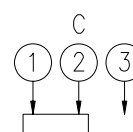
Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Dip soldering	Manual soldering
200gf ± 100 gf	0.5 kgf for 15 seconds	1.5 kgf for 15 seconds	230 ± 5 °C	260°C , 10 seconds	350°C , 3 seconds

Endurance, Environmental Performance

Operating life without load	Cold	Dry heat	Damp heat
5,000cycles , 100 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C, 90 to 95% RH for 96 hrs



HOLE LAYOUT



CIRCUIT DIAGRAM
C: COMMON PIN
BOTTEM VIEW

Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SKY-12D13	1P2T	Non-shorting	2.0mm	-10 °C to 60 °C	Reflow ; Manual

Electrical Performance

Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.5A 4V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

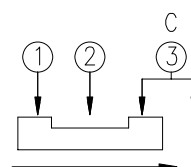
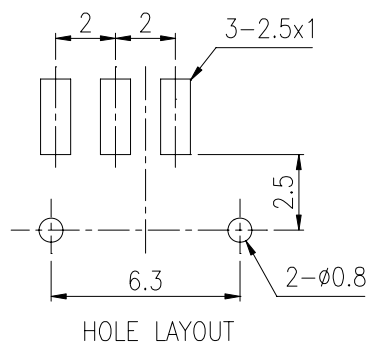
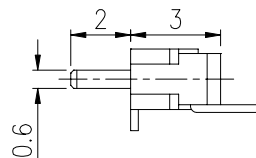
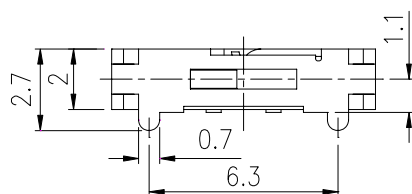
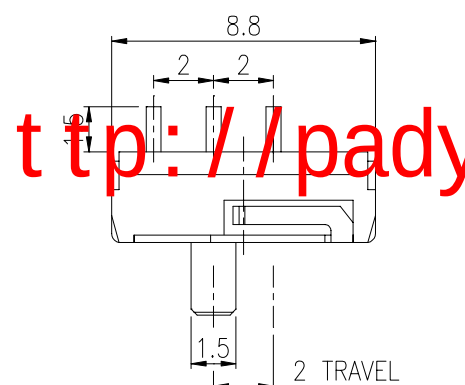
Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Reflow soldering	Manual soldering
100 gf ± 30 gf	0.3 kgf for 15 seconds	1.0 kgf for 15 seconds	230 ± 5 °C	240°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

Operating life without load	Cold	Dry heat	Damp heat
10,000cycles , 100 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C, 90 to 95% RH for 96 hrs

<http://pady-switch.com>

Carrier taping available



CIRCUIT DIAGRAM
C: COMMON PIN

Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SKYB-12D22	1P2T	Non-shorting	2.0mm	-10 °C to 60 °C	Dip ; Manual
SKYB-22D01	2P2T				

Electrical Performance

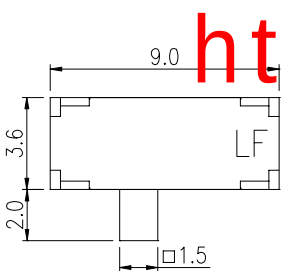
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.3A 6V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

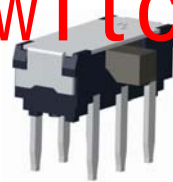
Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Dip soldering	Manual soldering
200 gf ± 100 gf	0.5 kgf for 15 seconds	1.5 kgf for 15 seconds	230 ± 5 °C	260°C , 10 seconds	350°C , 3 seconds

Endurance, Environmental Performance

Operating life without load	Cold	Dry heat	Damp heat
5,000cycles , 150 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C , 90 to 95% RH for 96 hrs



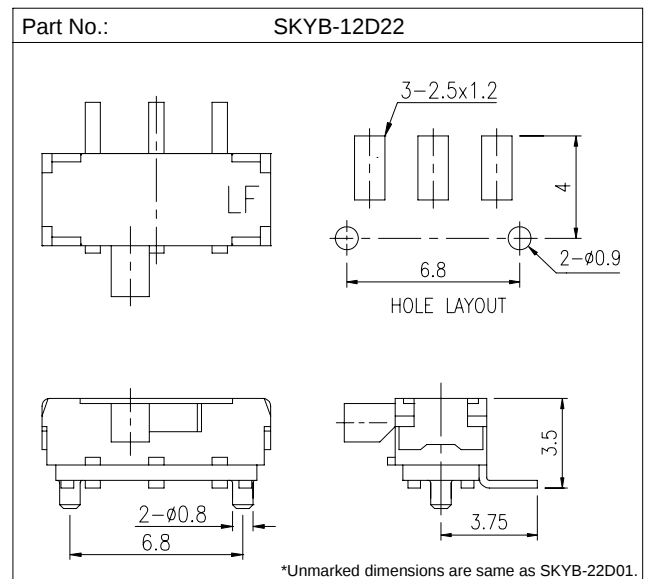
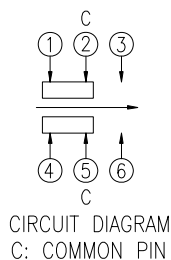
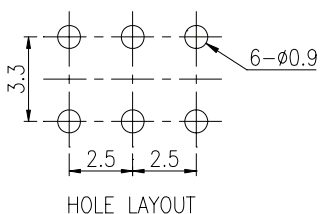
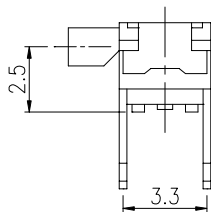
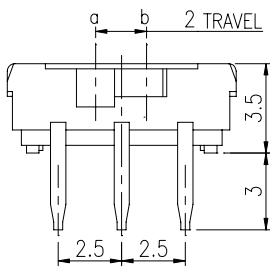
<http://pady-switch.com>



Part No.: SKYB-22D01



SKYB-12D22



Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SKY-12D26	1P2T	Non-shorting	2.0mm	-10 °C to 60 °C	Dip ; Manual

Electrical Performance

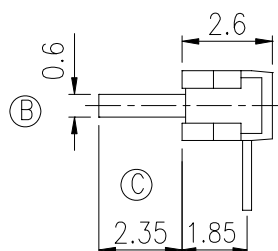
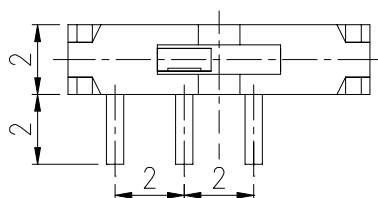
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.5A 4V DC	70 mΩ max.	100 MΩ min. 100 V DC	100 V AC for 1 min.

Mechanical & Solderability Performance

Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Dip soldering	Manual soldering
130gf ± 80 gf	0.3 kgf for 15 seconds	1.0 kgf for 15 seconds	230 ± 5 °C	260°C , 5 seconds	350°C , 3 seconds

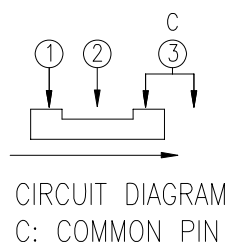
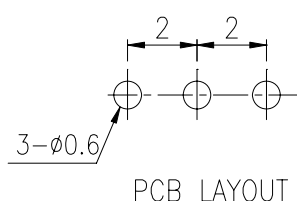
Endurance, Environmental Performance

Operating life without load	Cold	Dry heat	Damp heat
10,000cycles , 100 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C, 90 to 95% RH for 96 hrs



Knob style GA:

A = 1.6 ;
B = 0.65 ;
C = 2.1 ; 2.4



Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SKY-12F06	1P2T	Non-specified	3.0mm	-10 °C to 60 °C	Reflow ; Manual
SKY-13C01	1P3T		1.5mm		

Electrical Performance

Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.3A 4V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

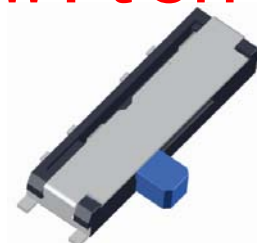
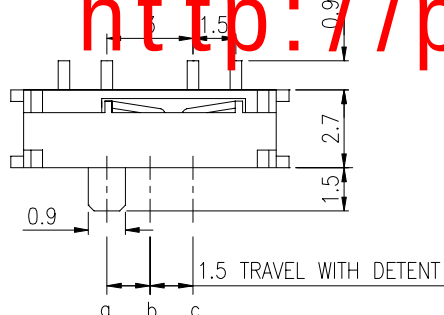
Mechanical & Solderability Performance

Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Reflow soldering	Manual soldering
SKY-12F06: 250 gf ± 100 gf SKY-13C01: 150 gf ± 100 gf	0.3 kgf for 15 seconds	1.0 kgf for 15 seconds	230 ± 5 °C	240°C , 5 seconds	350°C , 3 seconds

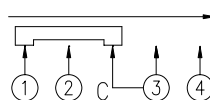
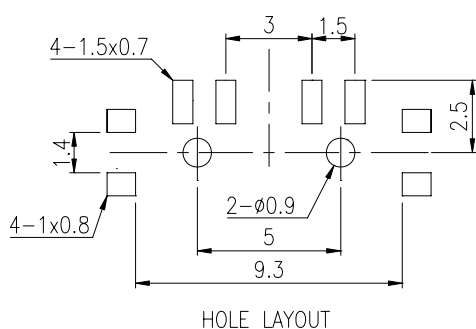
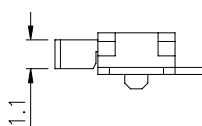
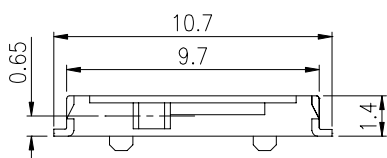
Endurance, Environmental Performance

Operating life without load	Cold	Dry heat	Damp heat
10,000cycles , 150 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C , 90 to 95% RH for 96 hrs

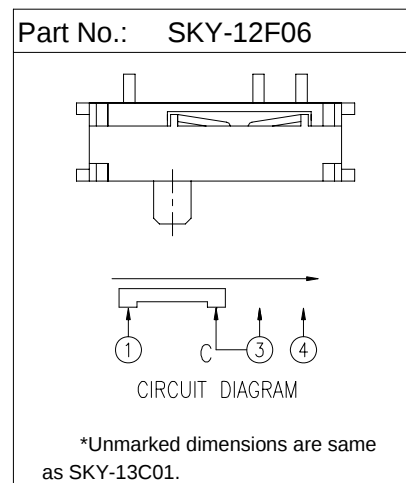
<http://pady-switch.com>



Carrier taping available



CIRCUIT DIAGRAM
C: COMMON PIN



Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SKY-13D01	1P3T	Non-shorting	2.0mm	-10 °C to 60 °C	Dip ; Reflow; Manual
SKY-23D01	2P3T				
SKY-23D22					

Electrical Performance

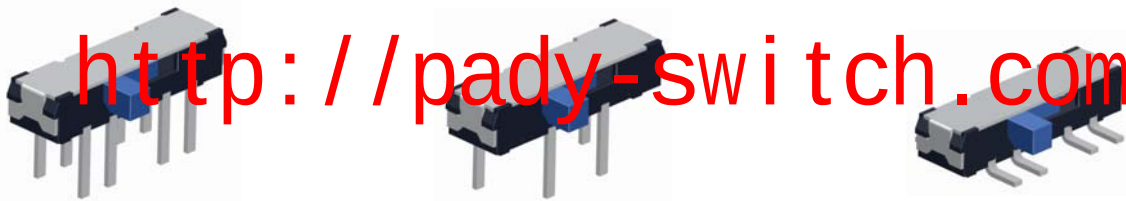
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.3A 6V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat		
				Dip soldering	Reflow soldering	Manual soldering
a-b c-b 200gf ± 100 gf b-a b-c 300gf ± 150gf	0.5 kgf, 15 seconds	1.5 kgf for 15 seconds	230 ± 5 °C	260°C , 5 seconds	245°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

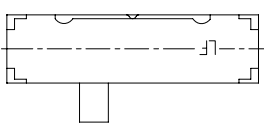
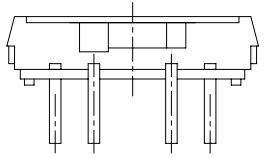
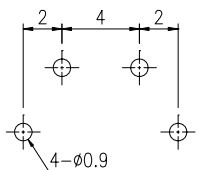
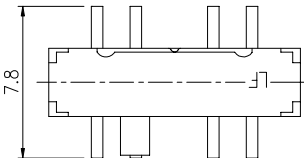
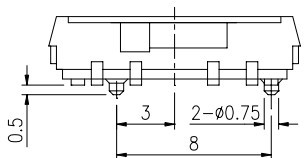
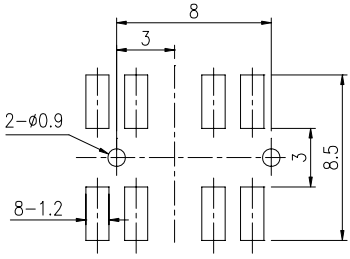
Operating life without load	Cold	Dry heat	Damp heat
5,000cycles , 150 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C , 90 to 95% RH for 96 hrs

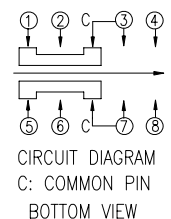
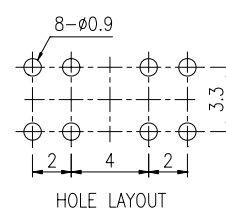
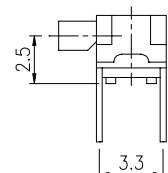
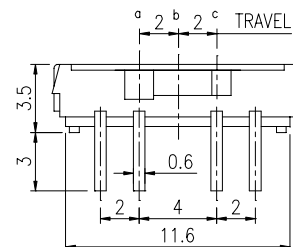
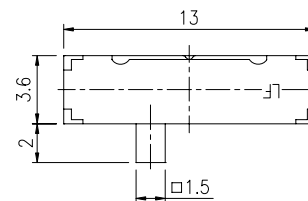


Part No.: SKY-23D01

SKY-13D01

SKY-23D22BT

*Unmarked dimensions are same as SKY-23D01.	
Part No.: SKY-13D01	Part No.: SKY-23D22BT
   HOLE LAYOUT BOTTOM VIEW	   SURFACE MOUNTING DIMENSION



Insert Molding Mini Slide Switch (Horizontal Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SKY-42D13	4P2T	Non-shorting	2.0mm	-10 °C to 60 °C	Dip ; Manual

Electrical Performance

Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.5A 12V DC	40 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Dip soldering	Manual soldering
300 gf ± 150 gf	0.5 kgf for 1 min.	2.0 kgf for 15 seconds	230 ± 5 °C	260°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

Operating life without load	Cold	Dry heat	Damp heat
10,000 cycles , 80 mΩ max.	-25 °C for 48 hrs	85°C for 48 hrs	40 °C, 90 to 95% RH for 96 hrs

<http://pady-switch.com>

