PS-12G Series
Pushbutton Switches

Features/Benefits

- ***Latching pushbutton***
- ***Non-shorting with lock***
- ***5 mm travel***
- ***SPDT***

Typical Applications

- ***Automotive interior lighting***
- ***Computer peripherals***
- ***Appliances***

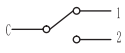


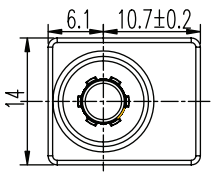
How To Order

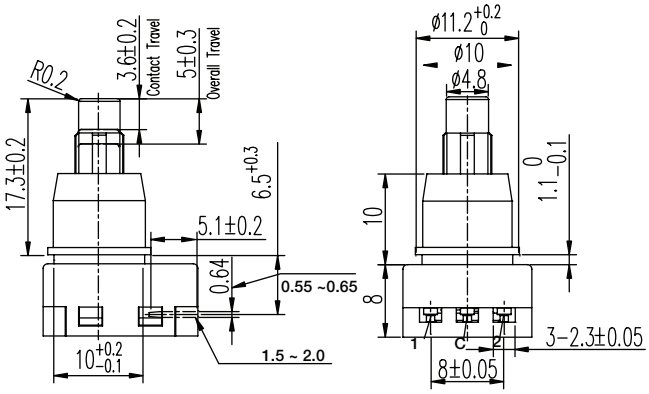
Part number list is shown below. For individual part details, please refer to the following pages.

Part Number (Part Description)	Product Details
PS-12G01	SPDT, non-shorting with lock, 1A @ 14 VDC, white actuator
PS-12G03	SPDT, non-shorting with lock, 2.2A @ 14.5 VDC, black actuator



PART NUMBER	PACKAGING	SCHEMATIC
PS-12G01	200 pieces	





Dimensions

WIDTH X DEPTH: 14 x 16.8 mm

HEIGHT: 18 mm

Specifications

CONTACT RATING: 1A @ 14 VDC

INITIAL CONTACT RESISTANCE: 100 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 20,000 cycles with load

OPERATING FORCE: 400 ± 100 gf

OPERATING POSITION: 3.6 ± 0.2 mm

TOTAL TRAVEL: 5 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM (UL 94HB)

HOUSING: PBT (UL 94V-0)

COVER: PBT (UL 94V-0)

ROTOR: PBT (UL 94V-0)

SLIDER: POM (UL 94HB)

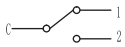
TERMINAL: Phospher bronze, silver plated

SPRING: Stainless steel

CONTACT: Phospher bronze, silver plated

PS-12G Series
Pushbutton Switches



PART NUMBER	PACKAGING	SCHEMATIC
PS-12G03	200 pieces	

Dimensions

WIDTH X DEPTH: 14 x 16.8 mm

HEIGHT: 18.3 mm

Specifications

CONTACT RATING: 2.2A @ 14.5 VDC

INITIAL CONTACT RESISTANCE: 50 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 20,000 cycles with load

OPERATING FORCE: 650 ± 300 gf

OPERATING POSITION: 4.00 ± 0.2 mm

TOTAL TRAVEL: 4.5 ± 0.3 mm

OPERATING TEMPERATURE: -40°C to 85°C

Materials

KNOB: POM (UL 94HB)

HOUSING: PBT & PA (UL 94V-0)

COVER: PBT (UL 94V-0)

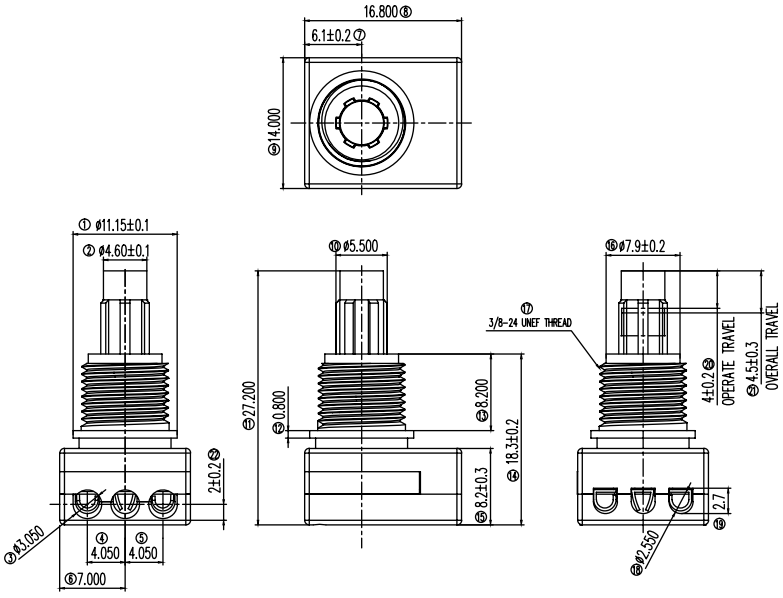
ROTOR: PBT (UL 94V-0)

SLIDER: POM (UL 94HB)

TERMINAL: Brass, silver plated

SPRING: Stainless steel

CONTACT: Phosphor bronze, silver plated



TYCO .062 Commercial Pin and Socket Connector PT# 770983-1

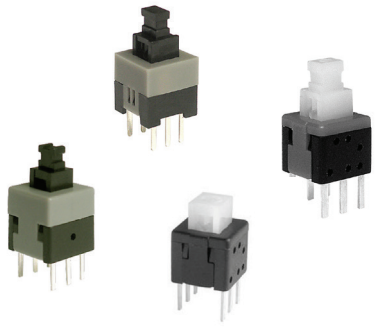
PS-22 Series
Subminiature Pushbutton Switches

Features/Benefits

- *Compact miniature push switch*
- *Momentary or latching options*
- *Shorting or non-shorting*
- *DPDT*

Typical Applications

- *Industrial*
- *Automotive*
- *Audio and visual equipment*



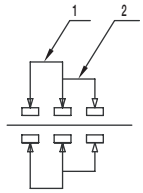
How To Order

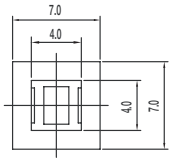
Part number list is shown below. For individual part details, please refer to the following pages.

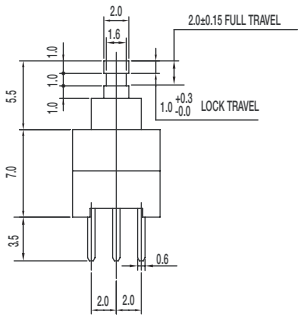
Part Number (Part Description)	Product Details
PS-2203-L NS PA	DPDT, non-shorting, lock, dim: 7.0*7.0*12.5 mm
PS-2203-F NS PA	DPDT, non-shorting, mom, dim: 7.0*7.0*12.5 mm
PS-2206-F NS	DPDT, non-shorting, mom, dim: 8.0*8.0*12.5 mm

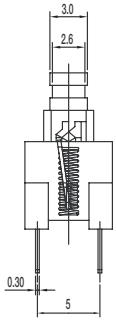
Part Number (Part Description)	Product Details
PS-2214-L NS PA	DPDT, non-shorting, lock, dim: 5.8*5.8*7.5 mm
PS-2214-F NS PA	DPDT, non-shorting, mom, dim: 5.8*5.8*7.5 mm
PS-221605-L NS	DPDT, non-shorting, lock, dim: 5.8*5.8*10.0 mm

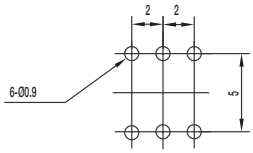


PART NUMBER	PACKAGING	SCHEMATIC
PS-2203-L NS PA	1,000 pieces	
PS-2203-F NS PA	1,000 pieces	









PIERCING PLAN

Dimensions

WIDTH X DEPTH: 7.0 x 7.0 mm

HEIGHT: 12.5 mm

Specifications

CONTACT RATING: 0.1A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE:
200 ± 100 gf (1.96 ± 0.98N)

LOCK TRAVEL: 1 mm

TOTAL TRAVEL: 2 mm

OPERATING TEMPERATURE: -20˚C to 70˚C

Materials

KNOB: POM Black

HOUSING: PA Black

COVER: POM Grey (latch) / White (Mom)

TERMINAL: Brass, silver plated

CONTACT CLIP: Phosphor bronze., silver plated

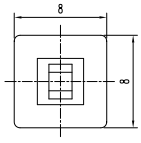
SPRING: Stainless steel

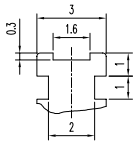
HOOK LOCK: Stainless steel (latch)

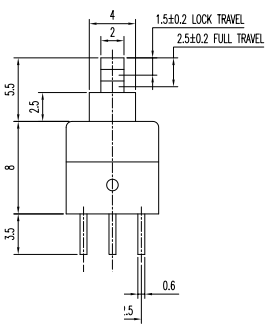
PS-22 Series
Subminiature Pushbutton Switches

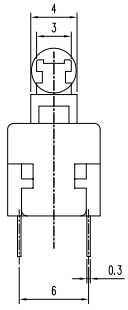


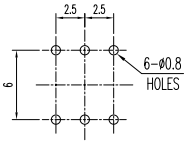
PART NUMBER	PACKAGING	SCHEMATIC
PS-2206-F NS	1,000 pieces	2 P - 2 T











Dimensions

WIDTH X DEPTH: 8.0 x 8.0 mm

HEIGHT: 13.5 mm

Specifications

CONTACT RATING: 0.1A @ 30 VDC

INITIAL CONTACT RESISTANCE: 70 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE:
200 ± 100 gf (1.96 ± 0.98N)

LOCK TRAVEL: 1.5 mm

TOTAL TRAVEL: 2.5 mm

OPERATING TEMPERATURE: -20˚C to 70˚C

Materials

KNOB: POM Black

HOUSING: PBT Black

COVER: POM Grey (latch) / White (Mom)

TERMINAL: Brass, silver plated

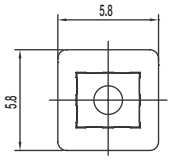
CONTACT CLIP: Phosphor bronze., silver plated

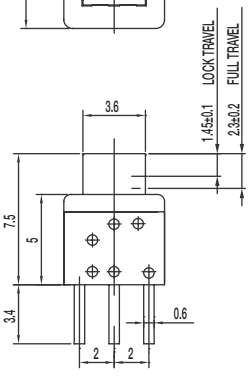
SPRING: Stainless steel

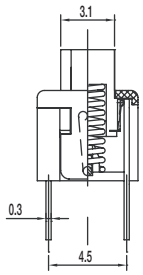
HOOK LOCK: Stainless steel (latch)

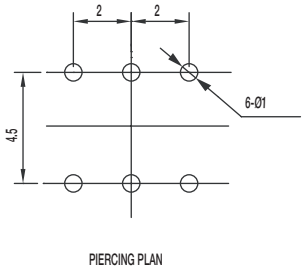


PART NUMBER	PACKAGING	SCHEMATIC
PS-2214-L NS PA	1,000 pieces	
PS-2214-F NS PA	1,000 pieces	









Dimensions

WIDTH X DEPTH: 5.8 x 5.8 mm

HEIGHT: 7.5 mm

Specifications

CONTACT RATING: 0.1A @ 30 VDC

INITIAL CONTACT RESISTANCE: 80 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE:
150 ± 50 gf (1.47 ± 0.49N)

LOCK TRAVEL: 1.45 mm

TOTAL TRAVEL: 2.3 mm

OPERATING TEMPERATURE: -20˚C to 70˚C

Materials

KNOB: POM Natural (latch) / PA black

HOUSING: PA Black

COVER: PA Black

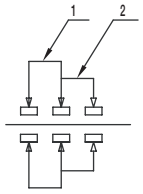
TERMINAL: Brass, silver plated

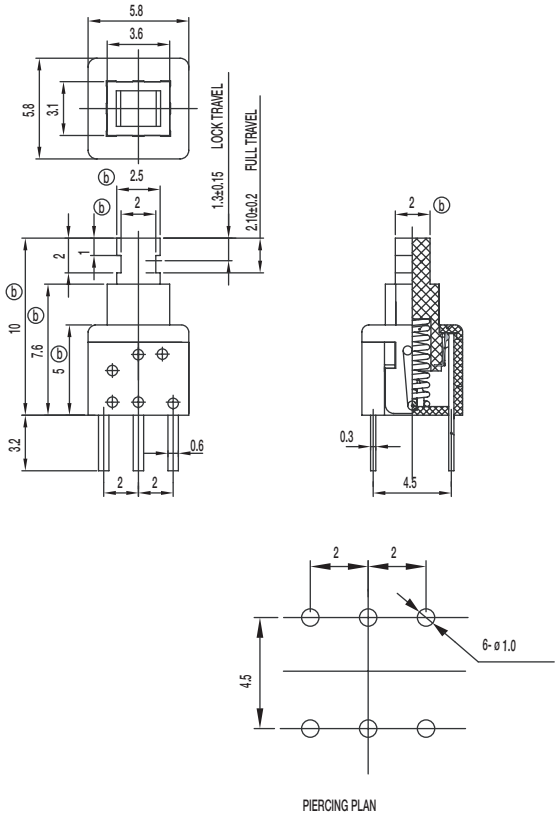
CONTACT CLIP: Phosphor bronze, silver clad

SPRING: Stainless steel

HOOK LOCK: Stainless steel (latch)



PART NUMBER	PACKAGING	SCHEMATIC
PS-221605-L NS	1,000 pieces	



PIERCING PLAN

Dimensions

WIDTH X DEPTH: 5.8 x 5.8 mm

HEIGHT: 10 mm

Specifications

CONTACT RATING: 0.1A @ 30 VDC / 2A @ 2 VDC

INITIAL CONTACT RESISTANCE: 80 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE:
150 ± 50 gf (1.47 ± 0.49N)

LOCK TRAVEL: 1.3 mm

TOTAL TRAVEL: 2.1 mm

OPERATING TEMPERATURE: -20˚C to 70˚C

Materials

KNOB: POM Natural

HOUSING: PA Black

COVER: PC Grey

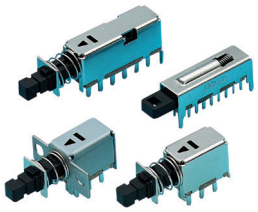
TERMINAL: Bras, silver plated

CONTACT CLIP: Phosphor bronze, silver clad

SPRING: Stainless steel

HOOK LOCK: Stainless steel (latch)

PS Series
Miniature Pushbutton Switches



Features/Benefits

- ***Miniature size***
- ***Momentary or latching options***
- ***Broad range of products***

Typical Applications

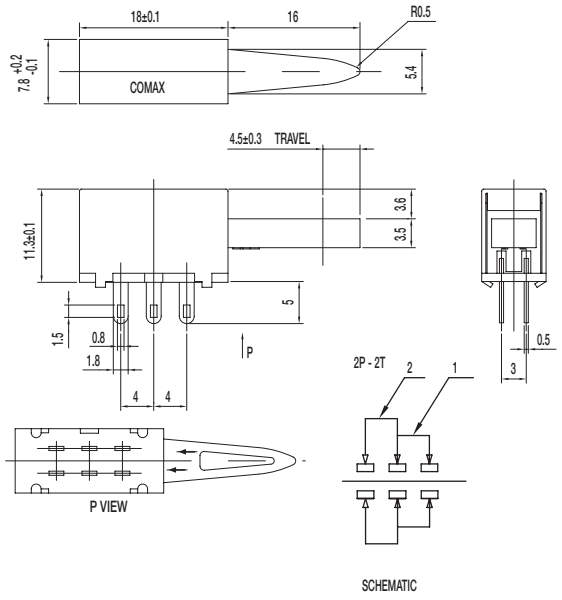
- **Industrial**
- **Automotive**
- **Audio and visual equipment**
- **Telecommunications**

How To Order

Part number list is shown below. For individual part details, please refer to the following.

Part Number (Part Description)	Product Details
PS-22I05	DPDT, non-shorting, RT angle with metal frame

PS-22I05 DPDT NON-SHORTING



Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 400 ± 150 gf (3.92 ± 1.47N)

TOTAL TRAVEL: 4.5 ± 0.3 mm

OPERATING TEMPERATURE: -20˚C to 70˚C

Materials

FRAME: SECC

KNOB: POM (UL 94HB)

CONTACT PLATE: Silver clad

SPRING: SUS

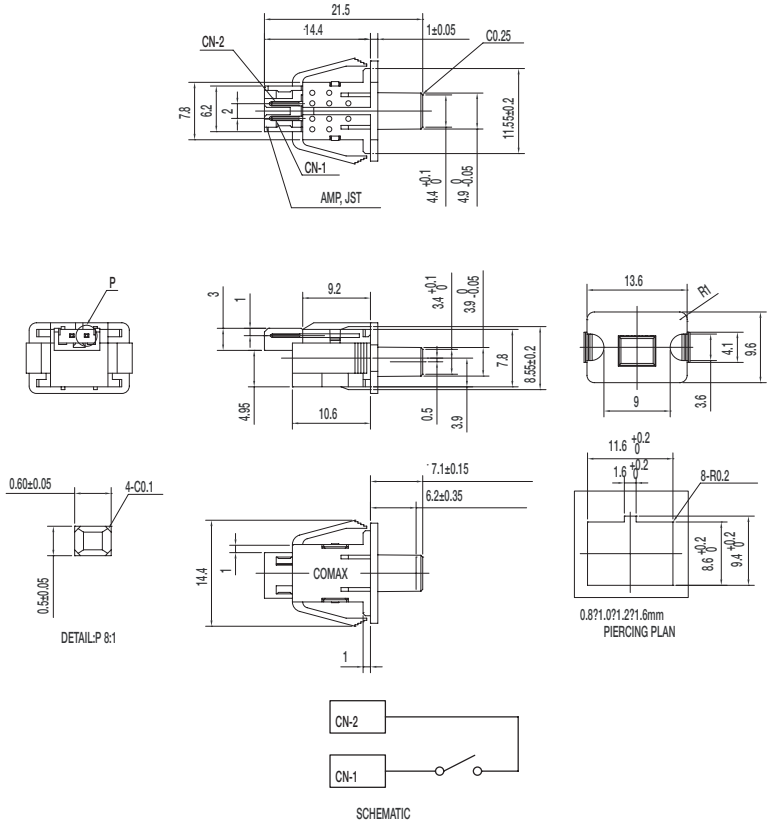
TERMINAL: Silver plated

How To Order

Part number list is shown below. For individual part details, please refer to the following pages.

Part Number (Part Description)	Product Details
PS-12C02-F NS	SPST non-shorting, mom
PS-32C02-F NS	1P3T non-shorting, mom, pitch: 7.2 mm
PS-42C02-F NS	1P4T non-shorting, mom, pitch: 7.2 mm

PS-12C02-F NS SPST NON-SHORTING



Specifications

CONTACT RATING: 100 µ A @ 3 VDC min. / 10mA @ 5 VDC max

INITIAL CONTACT RESISTANCE: 100 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 100,000 cycles with load

OPERATING FORCE: 50 ± 15 gf (0.49 ± 0.147N)

PRE-TRAVEL: 6.20 ± 0.35 mm

OPERATING TEMPERATURE: -40˚C to 85˚C

Materials

KNOB: POM (UL 94HB)

COVER: PA (UL 94V-0)

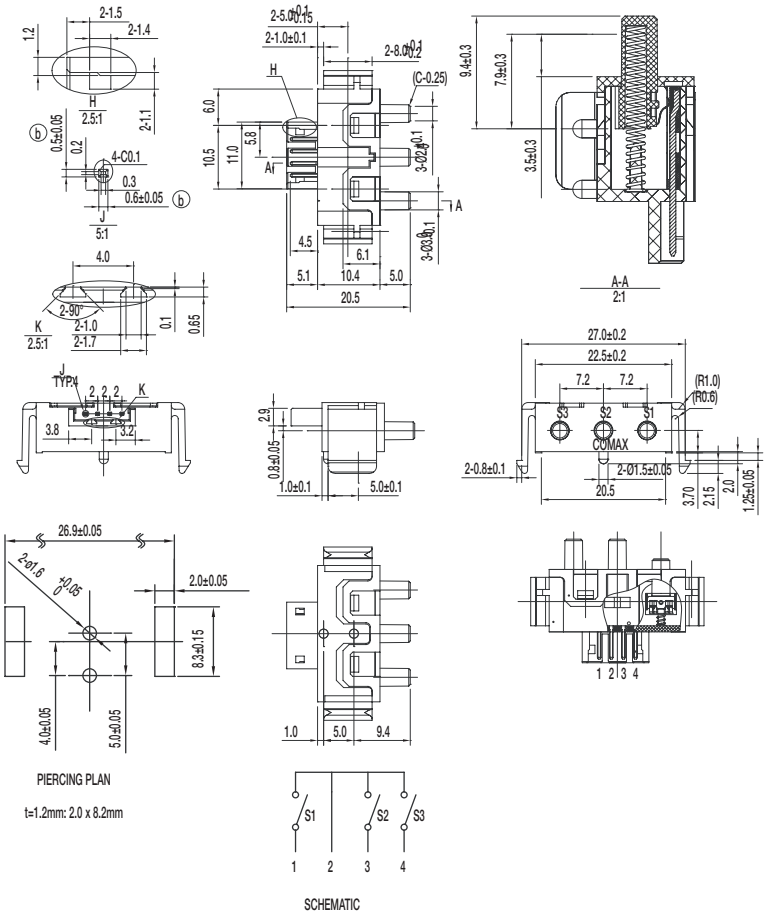
HOUSING: PA (UL 94V-0)

SPRING: SUS

TERMINAL: Silver plated

PS Series
Miniature Pushbutton Switches

PS-32C02-F NS 1P3T NON-SHORTING



Specifications

CONTACT RATING: 100 µ A @ 3 VDC min. / 10mA @ 5 VDC max

INITIAL CONTACT RESISTANCE: 100 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 100,000 cycles with load

OPERATING FORCE: 80 ± 20 gf (0.784 ± 0.196N)

PRE-TRAVEL: 1.5 ± 0.3 mm

OVER-TRAVEL: 3.5 ± 0.3 mm

TOTAL TRAVEL: 5 ± 0.3 mm

OPERATING TEMPERATURE: -20˚C to 65˚C

Materials

KNOB: POM (UL 94HB)

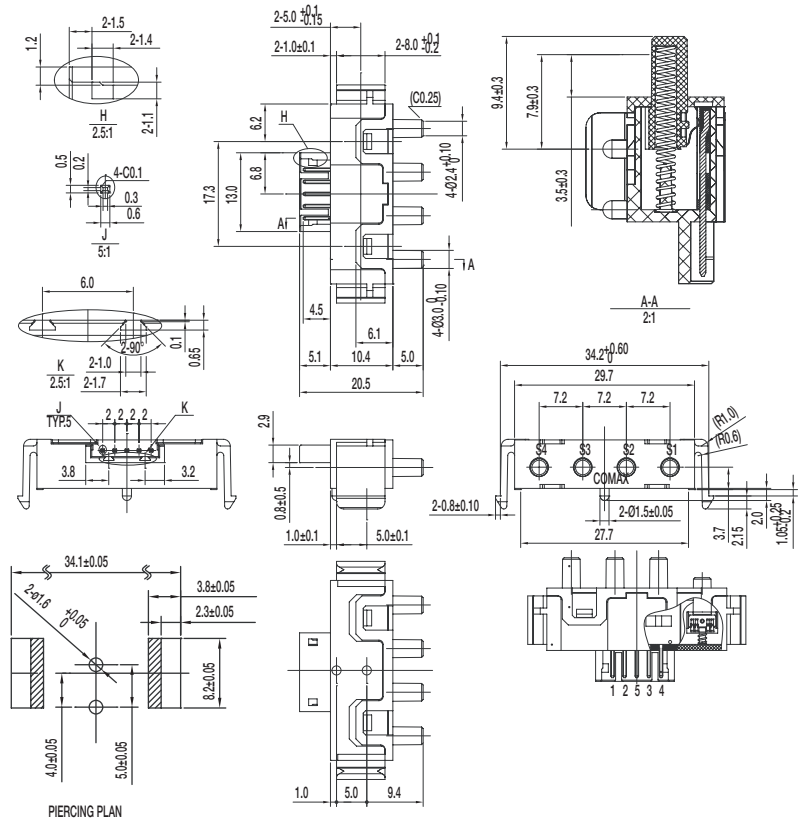
COVER: PA (UL 94V-0)

HOUSING: PA (UL 94V-0)

SPRING: SUS

TERMINAL: Silver plated

PS-42C02-F NS 1P4T NON-SHORTING



Specifications

CONTACT RATING: 100 µ A @ 3 VDC min. / 10mA @ 5 VDC max

INITIAL CONTACT RESISTANCE: 100 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 100,000 cycles with load

OPERATING FORCE: 80 ± 20 gf (0.784 ± 0.196N)

PRE-TRAVEL: 1.5 ± 0.3 mm

OVER-TRAVEL: 3.5 ± 0.3 mm

TOTAL TRAVEL: 5 ± 0.3 mm

OPERATING TEMPERATURE: -20˚C to 65˚C

Materials

KNOB: POM (UL 94HB)

COVER: PA (UL 94V-0)

HOUSING: PA (UL 94V-0)

SPRING: SUS

TERMINAL: Silver plated

Dimensions are shown: mm
Specifications and dimensions subject to change