

Navigation Switch Series

SNA1



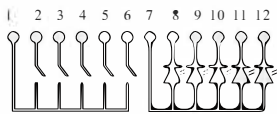
General Specifications	
Current Rating	:50mA
Voltage Rating	:12VDC
Dielectric Withstanding Voltage	:250VAC for 1 minute
Contact Resistance	:100m Ohm Max.(initial)
Insulation Resistance	:100M Ohm Min.
Operating Force	:230gf± 50gf(Tactile)/ 60gf± 40gf(Noiseless)
Total Travel(Tactile)	:0.4mm ± 0.2mm
Total Travel(Noiseless)	:1.0mm ± 0.3mm
Mechanical Life	:1,000,000 cycles Min.
Function	:Momentary(SP5T)
Operating Temperature	: -10 deg.~+60 deg.

Materials

Cap	:Polycarbonate (PC)
Base	:Polyamide (PA)
Reflector	:Polycarbonate (PC)
Switch Terminal	:Brass with gold plating
Housing	:Polyamide (PA)
Action Dome	:Phosphor Bronze with gold plating (Noiseless) Phosphor Bronze with silver plating(Tactile)

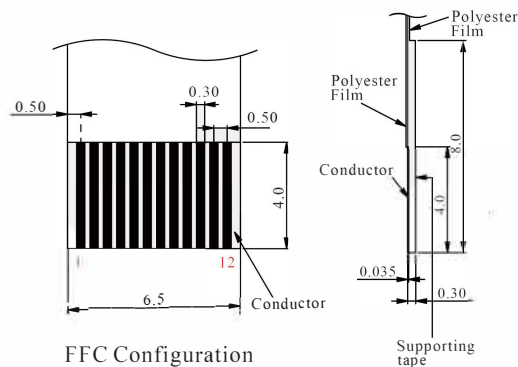


Contact Configuration



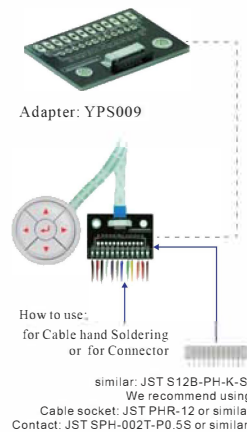
Pin	Function	Pin	Function
1	SW COM.	7	LED (+)
2	SW 1 N.O.	8	SW 1 LED(-)
3	SW 2 N.O.	9	SW 2 LED(-)
4	SW 3 N.O.	10	SW 3 LED(-)
5	SW 4 N.O.	11	SW 4 LED(-)
6	SW 5 N.O.	12	SW 5 LED(-)

The Connector for SNA1 module is YCN007 or similar JST 12FLZT-SM1-TF
Applicable FFC: Conductor pitch / 0.5mm
Conductor width / 0.3mm
Mating part thickness / 0.30±0.05mm

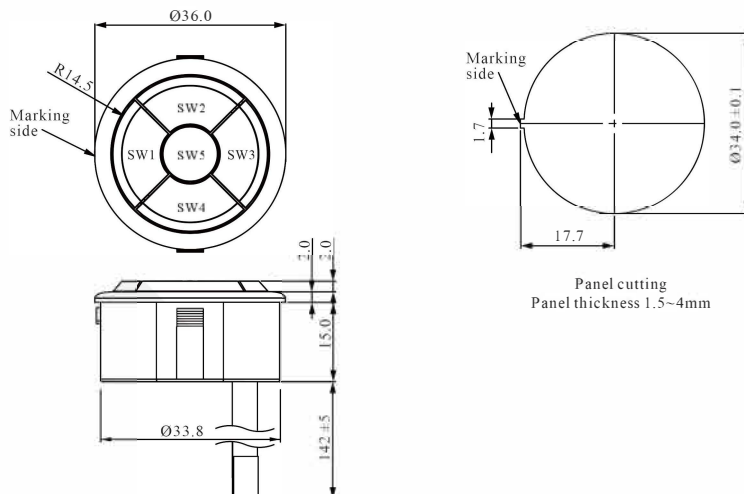


FFC Configuration

Option



Dimension



How to order

Module		
Part No	SNA1AT7552	SNA1AN3442
Description	SNA1 Tactile, Blue LED with Black housing, Painted Black Cap, Laser Marking 2.	SNA1 Noiseless, Green LED with white housing, Painted White Cap, Laser Marking 2.

※ Color is subject to actual product.
※ We provide Laser Marking service.

Navigation Switch Series

SNA3

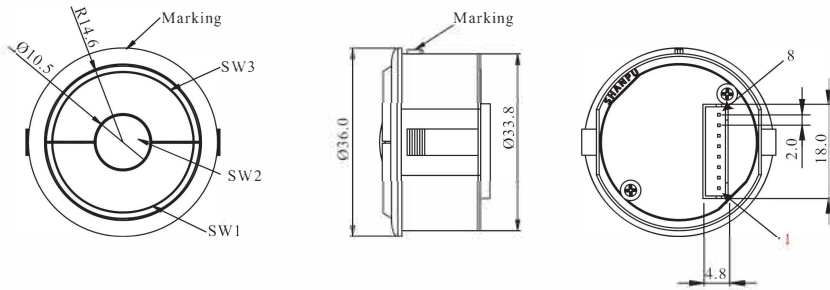


General Specifications	
Current Rating	:50mA
Voltage Rating	:12VDC
Dielectric Withstanding Voltage	:250VAC for 1 minute
Contact Resistance	:100m Ohm Max.(initial)
Insulation Resistance	:100M Ohm Min.
Operating Force	: 400gf (Max.)
Total Travel	:0.2mm ± 0.1mm
Mechanical Life	:1,000,000 cycles Min.
Solder Specifications	:260 deg. for 3 seconds
Function	:SP3T
Operating Temperature	:-10 deg.~+60 deg.

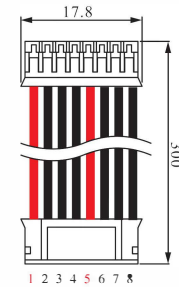


Materials	
Cap	:Polycarbonate (PC)
Base	:Polyamide (PA)
Reflector	:Polyoxymethylene (POM)
Switch Terminal	:Brass with gold plating
Action Dome	: Phosphor Bronze with silver plating
Sealing rubber	:Silicone

Dimension

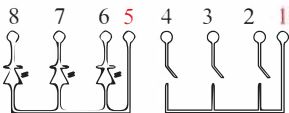


Option



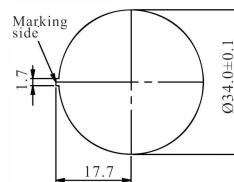
Cable: YCW011

Contact Configuration & Panel cutting



The Connector for SNA3 module similar JST B8B-PH-K-A
Applicable Connector:
Conductor pitch / 2.0mm
Conductor width / 0.5mm

Pin	Function
1	SW COM.
2	SW 1 N.O.
3	SW 2 N.O.
4	SW 3 N.O.
5	LED+
6	LED1-
7	LED2-
8	LED3-



Panel cutting
Panel thickness 1.5~4mm

How to order

Module		
Part No	SNA3S2552	SNA3S1441
Description	SNA3S Yellow LED, Black housing, Black Cap Marking 2.	SNA3S Red LED, White housing, White Cap Marking 1.

※ Color is subject to actual product.
※ We provide Laser Marking service.

Navigation Switch Series

SNA4



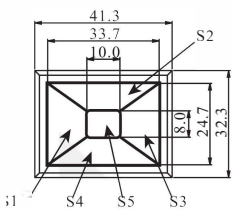
General Specifications	
Current Rating	:50mA
Voltage Rating	:12VDC
Dielectric Withstanding Voltage	:250VAC for 1 minute
Contact Resistance	:100m Ohm Max.(initial)
Insulation Resistance	:100M Ohm Min.
Operating Force	:200gf ± 50gf
Total Travel	:0.25mm ± 0.1mm
Mechanical Life	:100,000 cycles Min.
Solder Specifications	:260 deg. for 3 seconds
Function	:SP5T
Operating Temperature	:-10 deg.~+60 deg.



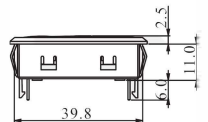
Materials	
Cap	:Polycarbonate (PC)
Housing	:Polyamide (PA)
Stem	:Polyamide (PA)
Base	:Polyamide(PA)
Terminal	:Brass with gold plating
Action Dome	:SUS with Silver plating
Connector	:PA , Brass with Tin plating

Dimension

SNA4S

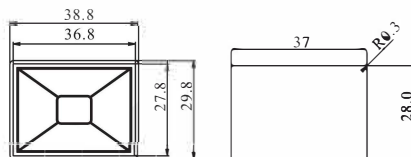


Panel cutting
Panel thickness 1.5-4 mm

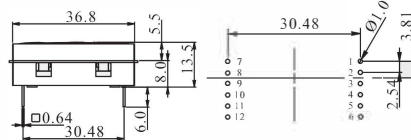


The Connector for SNA4 module
similar JST RE-H(06)2TD
Applicable Connector:
Conductor pitch / 2.54mm
Conductor width/φ0.64mm

SNA4P

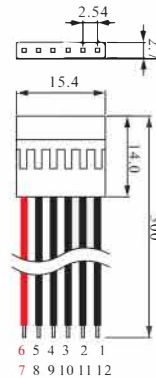


Panel cutting
Panel thickness 1.5-4 mm



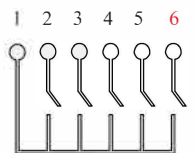
PCB Layout

Option



Cable: YCW012

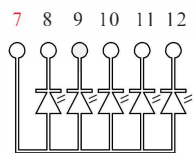
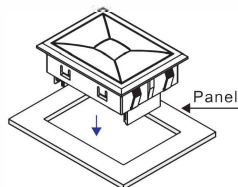
Contact Configuration & Installation Notes



SW Configuration

Pin	Function
1	SW COM
2	SW 1 N.O.
3	SW 2 N.O.
4	SW 3 N.O.
5	SW 4 N.O.
6	SW 5 N.O.

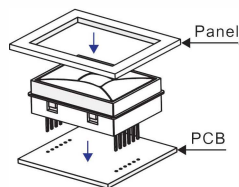
for SNA4S



LED Configuration

Pin	Function
7	LED+
8	SW 1 LED(-)
9	SW 2 LED(-)
10	SW 3 LED(-)
11	SW 4 LED(-)
12	SW 5 LED(-)

for SNA4P



How to order

Module		
Part No	SNA4P1441	SNA4S2551
Description	Red LED, White housing, White cap, Marking 1.	Yellow LED, Black housing, Black cap, Marking 1.

※ Color is subject to actual product.

※ We provide Laser Marking service.