

- Provide positive high pressure environmental seal for most toggle and pushbutton switches
- Moulded-in brass, nickel plated hexagonal nut gives water-tight, dust-tight protection
- Fit around switch neck to seal both panel mounting hole and the switch
- Meet MIL-B-5423 specification
- Resistant to salt spray, weather, sunlight, ozone, fuel oils, and most acids
- Vibration resistant. Pressure range exceeds 15 psi internal or external

**Best value**

Operating temperature -70°C to +205°C

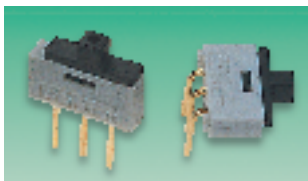
Thread Size	Max. Toggle Length	Height	Mfrs. List No.	Order Code
<b>Covered Toggle Seals</b>				
1/4" 40NS	7.9	10.7	N5030	146-840
1/4" 40NS	9.4	12.7	N5030L	146-841
1/4" 40NS	12.7	15.1	N5030S	146-842
15/32" 32NS	16.8	21.4	N1030	146-843
<b>Protruding Toggle Seals</b>				
1/4" 40NS	1.6 to 4.8	6.4	N5032B	146-844
15/32" 32NS	3.9 to 6.1	11.1	N1030B	146-845
<b>Push Button Seals</b>				
1/4" 40NS	5.2	7.9	N5040R	146-846
15/32" 32NS	7.14	13.9	N3030	146-847
15/32" 32NS	11.1	18.3	NC3030	146-848

SW19

Thread Size	Order Code	Price Each		
		1+	25+	100+ 500+
<b>Covered Toggle Seals</b>				
1/4" 40NS	<b>146-840</b>			
1/4" 40NS	<b>146-841</b>			
1/4" 40NS	<b>146-842</b>			
15/32" 32NS	<b>146-843</b>			
<b>Protruding Toggle Seals</b>				
1/4" 40NS	<b>146-844</b>			
15/32" 32NS	<b>146-845</b>			
<b>Push Button Seals</b>				
1/4" 40NS	<b>146-846</b>			
15/32" 32NS	<b>146-847</b>			
15/32" 32NS	<b>146-848</b>			

## Slide Switches

**Subminiature, PCB Mounting – 1K2**  
0.5A @ 12V



- Gold plated contacts
- Vertical and horizontal styles for PCB mounting
- Raised actuators for easy operation
- Vertical style stack on 2.54mm centres
- Horizontal style end-stackable on 2.54mm grid
- Designed to appear on the front face of equipment

Contact rating	<22mΩ	674-345 :
Insulation resistance	>10,000MΩ @ 500V dc	H (above PCB) = 7.45, W = 2.5, D = 10
Operating temperature	-40°C to +85°C	674-357 :
Contact material	0.5µ gold plating	H (above PCB) = 2.5, W = 10, D (overall) = 8.6
		PCB pin spacing = 2.54

SW256

	Mfrs. List No.	Order Code	Price Each			
			1+	10+	100+	500+
SPDT, vertical	09-03290-01	<b>674-345</b>				
SPDT, right angle	09-10290-01	<b>674-357</b>				

**Subminiature PCB Mounting – SSSS2 Series**  
0.3A @ 6V dc



Vertical Knob  
H (above PCB) = 5.5,  
W = 8.5 (3 pin), 13 (4 pin), D = 3.3  
PCB pin spacing = 2.5 3.3 (DIL types)

Horizontal Knob  
H (above PCB) = 3.5,  
W = 8.5 (3 pin), 13 (4 pin), D = 5.5 (inc. knob)  
PCB pin spacing = 2.5 3.3 (DIL types)

- High reliability, low noise design
- Widely used on audio mixing desks
- Non-shorting change over contacts

Electrical life 5000 cycles Contact resistance 70mΩ

SW321

Poles/No. of Positions	Mfrs. List No.	Order Code	1+	50+	100+
<b>Vertical Knob</b>					
SP/2	SSSS212-01	<b>733-568</b>			
DP/2	SSSS222-01	<b>733-581</b>			
DP/3	SSSS223-01	<b>733-593</b>			
<b>Horizontal Knob</b>					
SP/2	SSSS212-11	<b>733-600</b>			
DP/2	SSSS222-11	<b>733-623</b>			
DP/3	SSSS223-11	<b>733-635</b>			

**Subminiature PCB Mounting – SSSS9 Series**  
0.1A @ 12V dc



Vertical Knob  
H (above PCB) = 10,  
W = 11.5, D = 4.7  
PCB pin spacing = 2

Horizontal Knob  
H (above PCB) = 5,  
W = 11.5, D = 9.7  
PCB pin spacing = 2

- High quality switch designed for audio applications
- Non-shorting changeover contacts

Electrical life 10000 cycles Contact resistance 30mΩ

SW322

Poles/No. of Positions	Mfrs. List No.	Order Code	1+	50+	100+
<b>Vertical Knob</b>					
SP/2	SSSS912N-4A-0	<b>733-647</b>			
SP/3	SSSS913N-4A-0	<b>733-659</b>			
DP/2	SSSS922N-4A-0	<b>733-660</b>			
DP/3	SSSS923N-4A-0	<b>733-672</b>			
<b>Horizontal Knob</b>					
SP/2	SSSS912N-4A-1	<b>733-684</b>			
SP/3	SSSS913N-4A-1	<b>733-696</b>			
DP/2	SSSS922N-4A-1	<b>733-702</b>			
DP/3	SSSS923N-4A-1	<b>733-714</b>			

**Subminiature PCB Mounting - TSS Series**  
0.4VA @ 20V dc

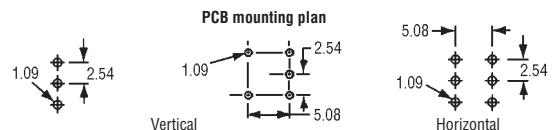


Vertical Horizontal

- Gold contacts for low level switching
- Vertical or horizontal actuators

Contact resistance 20mΩ max  
Insulation resistance 1000MΩ @ 500V dc  
Electrical life 60,000-80,000 ops  
Operating temperature -20°C to +80°C

Mfrs. List No. TSS11DGPCFN = 959-042,  
TSS21NGPCFN = 959-054,  
TSS11DGRAFN = 959-066



H = 9.65, W = 5.23, D = 10.2 H = 9.65, W = 9.14, D = 10.2 H = 5.23, W = 10.20, D = 9.65

SW332

Vertical	Order Code	Price Each			
		1+	25+	50+	100+ 500+
SPDT	<b>959-042</b>				
DPDT	<b>959-054</b>				
<b>Horizontal</b>					
SPDT	<b>959-066</b>				

continued

**Open Late!**

Don't forget we're here to take your orders,  
From 8.30am to 6.30pm Mon - Fri and  
from 9am to 12pm on Saturday.