



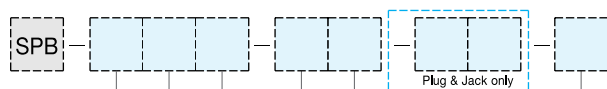
Features

- Push-pull self latching technology
- Ultra precision
- High contact density
- High reliability / durability
- High vibration and outer force resistance
- UL Recognized 

Applications

- Telecommunications
- Professional A/V
- HDTV panel system
- Vision related equipment
- and much more
- Optical testing equipment
- Portable wireless radio
- CCTV
- Medical equipment

■ SPB Part Numbering - Mechanical keying system



➔ **Ordering Part Number**
(see examples)



Size

00,0,1,2,3

Body Type

P : Plug
LP : Right-angle plug type
PS : Plug (Non-latch sleeve)
PT : Plug-threaded type
PT1 : Plug-threaded type & crimp type

J : Jack

R : Receptacle

BR : Bulkhead Receptacle

R9 : Two-Nut Receptacle

RS : Insertion Receptacle type

RT : Receptacle-threaded type

RT1 : Right-angle Receptacle-threaded type

RT2 : Right-angle Receptacle-threaded type+H cut

! To order Nut for receptacle separately, see page 66

Key Angles

See page 65

Contact Code

See page 56

Contact Type

P : Male S : Female
LSB : Right-angle PCB Female
SB : PCB Female

Screw Cap Code (Plug and Jack only)

A : Screw Cap Terminated
B : Screw Cap + Boot type
C : Nut Terminated

Collet Code (Plug and Jack only)

See page 66

Material and Female Contact Cut Code

See page 66

■ Performance

Performance	Endurance	Humidity	Temperature Range	Vibration Resistance	Shock Resistance	Corrosion Test	Mated IP Rating
Value	>5,000 cycles	95%rh 140°F	-67°F +482°F	10~2000Hz, 15g	100g, 6ms	>144h	IP50

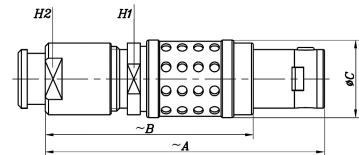
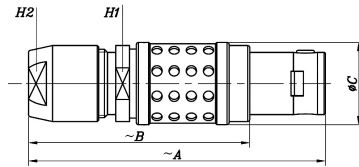
■ Mini-map



Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.

SP Series B Model Plug / Receptacle / Jack(Size & Shell Selection)

SPB Plug



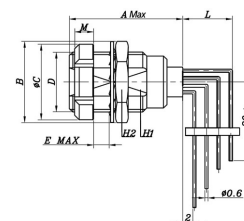
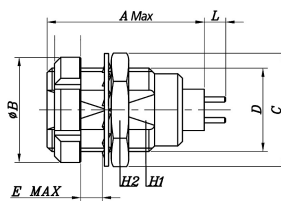
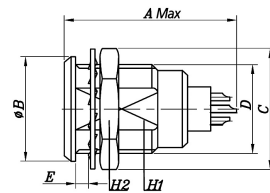
Product Number						A	B	ϕC	H1	H2
SPB	00	P	P	A		28,5	20,5	7,0	5,5	5,0
SPB	0	P	P	A		36,0	26,0	9,5	8,0	7,0
SPB	1	P	P	A		43,0	32,0	12,0	10,9	9,0
SPB	2	P	P	A		50,0	38,0	15,0	13,0	12,0
SPB	3	P	P	A		58,0	43,0	18,0	15,0	14,0

Material : Page 66
Collet code : Page 66
Contact code : Page 56

Product Number						A	B	ϕC	H1	H2
SPB	0	P	P	B		35,0	25,0	9,5	8,0	7,0
SPB	1	P	P	B		42,0	33,0	12,0	10,0	9,0
SPB	2	P	P	B		48,0	36,0	15,0	13,0	12,0
SPB	3	P	P	B		56,5	41,5	18,0	15,0	14,0

Material : Page 66
Collet code : Page 66
Contact code : Page 56

SPB Receptacle



Product Number						A	ϕB	C	D	E	H1	H2
SPB	00	R	S			15,5	8,0	10,3	M7×0,5P	5,5	6,3	9,0
SPB	0	R	S			20,7	10,0	12,5	M9×0,6P	7,0	7,5	11,0
SPB	1	R	S			23,0	14,0	16,0	M12×1,0P	7,5	10,5	14,0
SPB	2	R	S			26,7	18,0	19,5	M15×1,0P	8,5	13,5	17,0
SPB	3	R	S			30,7	22,0	25,0	M18×1,0P	11,5	16,5	22,0

Material : Page 66
Contact code : Page 56

Product Number						A	ϕB	C	D	E	H1	H2
SPB	0	R9	SB			17,9	12,0	12,5	M9×0,6P	5,5	8,2	11,0
SPB	1	R9	SB			19,8	16,0	16,0	M12×1,0P	6,0	10,5	14,0
SPB	2	R9	SB			21,8	20,0	20,0	M15×1,0P	6,5	13,5	17,0
SPB	3	R9	SB			25,8	24,0	25,0	M18×1,0P	9,0	16,5	22,0

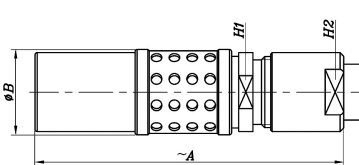
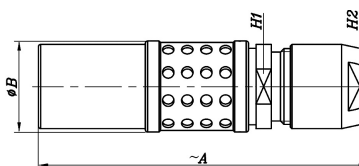
Material : Page 66
Contact code : Page 56

Product Number						A	B	ϕC	D	E	H1	H2
SPB	0	R9	LSB			18,3	12,5	12,0	M9×0,6P	2,4	8,2	11,0
SPB	1	R9	LSB			20,3	19,5	16,0	M12×1,0P	6,0	10,5	14,0
SPB	2	R9	LSB			22,3	20,0	20,0	M15×1,0P	6,5	13,5	17,0
SPB	3	R9	LSB			25,8	25,0	24,0	M18×1,0P	9,0	16,5	22,0

Material : Page 66
Contact code : Page 56

! Length (L) depends on number of contacts
For detailed information on Nut, refer to catalogue p.74

SPB Jack



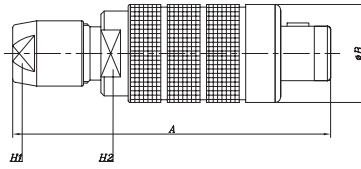
Product Number						A	ϕB	H1	H2
SPB	00	J	S	A		27,0	6,4	5,5	5,0
SPB	0	J	S	A		35,5	9,5	8,0	7,0
SPB	1	J	S	A		40,5	12,5	10,0	9,0
SPB	2	J	S	A		47,0	16,5	13,0	12,0
SPB	3	J	S	A		56,0	19,0	15,0	14,0

Material : Page 66
Collet code : Page 66
Contact code : Page 56

Product Number						A	ϕB	H1	H2
SPB	00	J	S	B		26,0	6,4	5,5	5,0
SPB	0	J	S	B		34,5	9,5	8,0	7,0
SPB	1	J	S	B		39,5	12,5	10,0	9,0
SPB	2	J	S	B		46,0	16,5	13,0	12,0
SPB	3	J	S	B		54,5	19,0	15,0	15,0

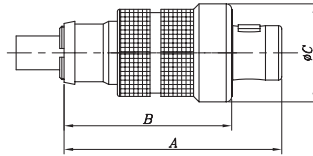
Material : Page 66
Collet code : Page 66
Contact code : Page 56

■ SPB Plug (Threaded-mounting)



Product Number	A	Ø B	H1	H2
SPB 1 00 PT [] P A []	29,2	9	5	6,5

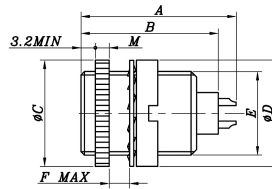
Material : Page 66
Collet code : Page 66
Contact code : Page 56
key angles : Page 65



Product Number	A	B	C
SPB 1 00 PT1 [] P C []	20,0	15,4	9,0

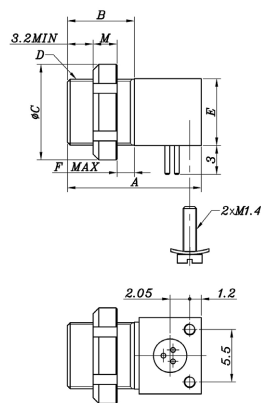
Material : Page 66
Collet code : Page 66
Contact code : Page 56
key angles : Page 65

■ SPB Receptacle (Threaded-mounting)



Product Number	A	B	C	Ø D	E	F	M
SPB 1 00 RT [] S []	15,5	13,7	9,5	9,0	M7×0,5P	4,2	2,0

Material : Page 66
Contact code : Page 56



Product Number	A	B	Ø C	D	E	F	M
SPB 1 00 TH1 TH2 [] S []	14,0	7,0	10,0	M7×0,5P	7,0	1,8	2,5

Material : Page 66
Contact code : Page 56
key angles : Page 65
Body : Page 52

! For detailed information on Nut, refer to catalogue p.74

■ Contact Code

Series & Model	Size	Contact Code	Current	Impedance	Cable Group	VSWR (GHz)	Contact Arrangement
SPB	00	250	4A	50	1-2-5-6	1,09+11,f	

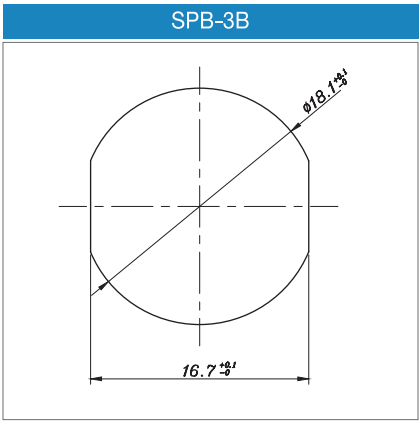
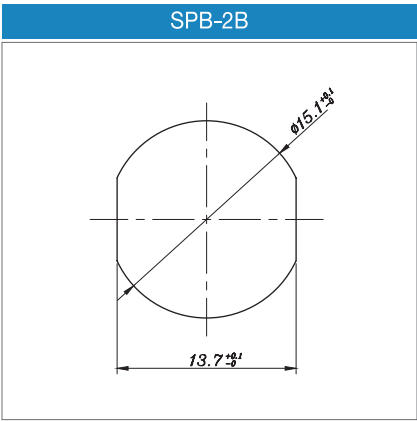
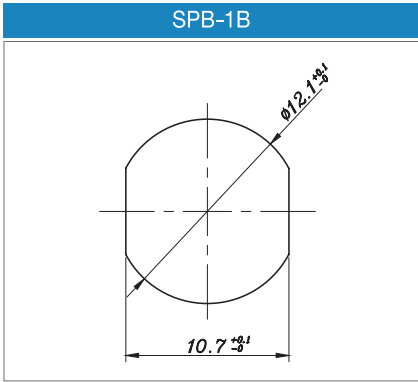
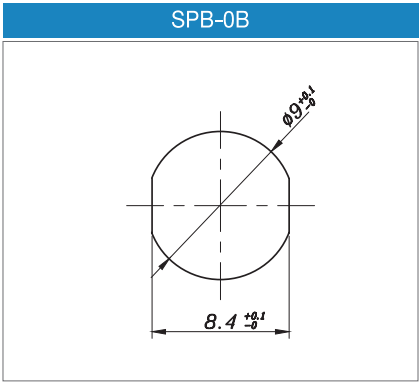
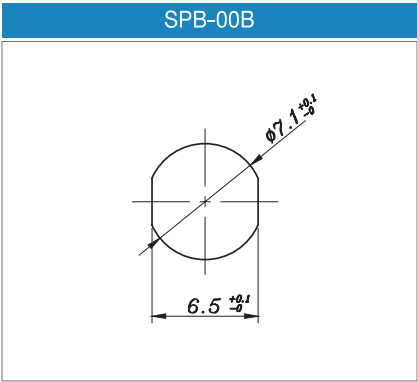
Series & Model	Size	Contact Code	Current	Contact ϕ	No. of Contacts	Wire Gauge (Maximum)	Contact Arrangement
SPB	00	302	5A	0,5	2	AWG 28	
		303	3A	0,5	3	AWG 28	
		304	2A	0,5	4	AWG 28	
	0	302	10A	0,9	2	AWG 22	
		303	8A	0,9	3	AWG 22	
		304	7A	0,7	4	AWG 24	
		305	6,5A	0,7	5	AWG 24	
		306	2,5A	0,7	6	AWG 26	
		307	2,5A	0,7	7	AWG 26	
		309	2A	0,5	9	AWG 26	
	1	302	15A	1,3	2	AWG 20	
		303	12A	1,3	3	AWG 20	
		304	10A	0,9	4	AWG 20	
		305	9A	0,9	5	AWG 20	
		306	7A	0,7	6	AWG 24	
		307	7A	0,7	7	AWG 24	
		308	5A	0,7	8	AWG 24	
		314	2A	1,2	14	AWG 28	
	2	308	10A	0,9	8	AWG 22	
		310	8A	0,9	10	AWG 22	
	3	330	3,5A	0,7	30	AWG 22	

Series & Model	Size	Contact Code	Number of Contacts	Contact ϕ	Current	Coax cable group /Wire max AWG	Coax Impedance & Contact Type	Contact Arrangement
SPB	3	846	2 coax	0,7	2A	1-2-3	50 Ω Type C	
			6LV	0,9	8A	AWG 22		

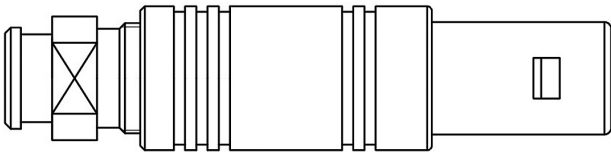
Note : Connector contact arrangement is from mating surface.

Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.

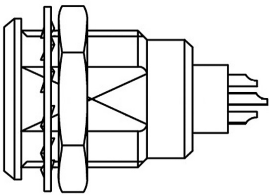
■ SPB Series Panel Layout



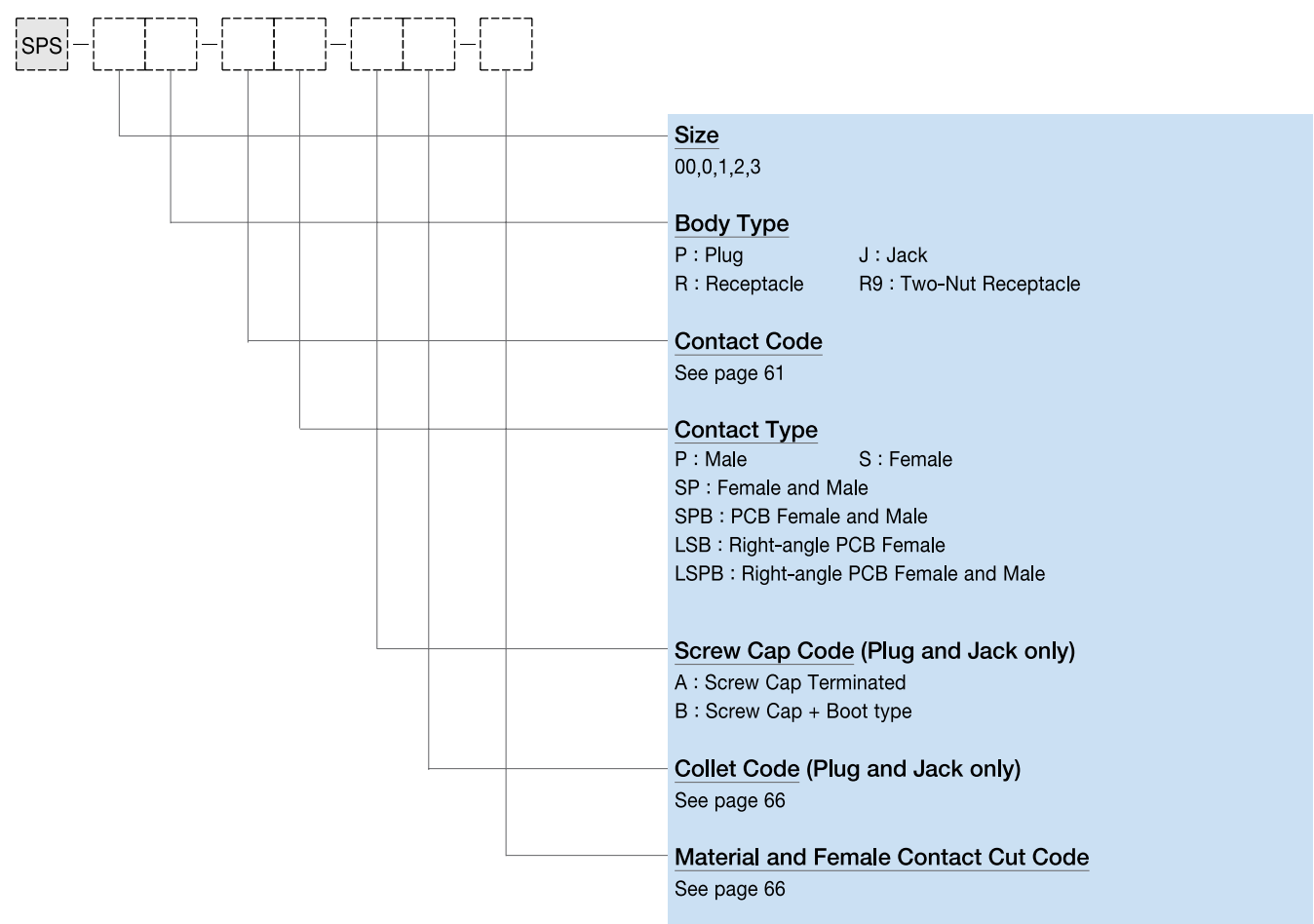
Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.



SPS Series



■ SPS Part Numbering - Hermaphroditic keying system

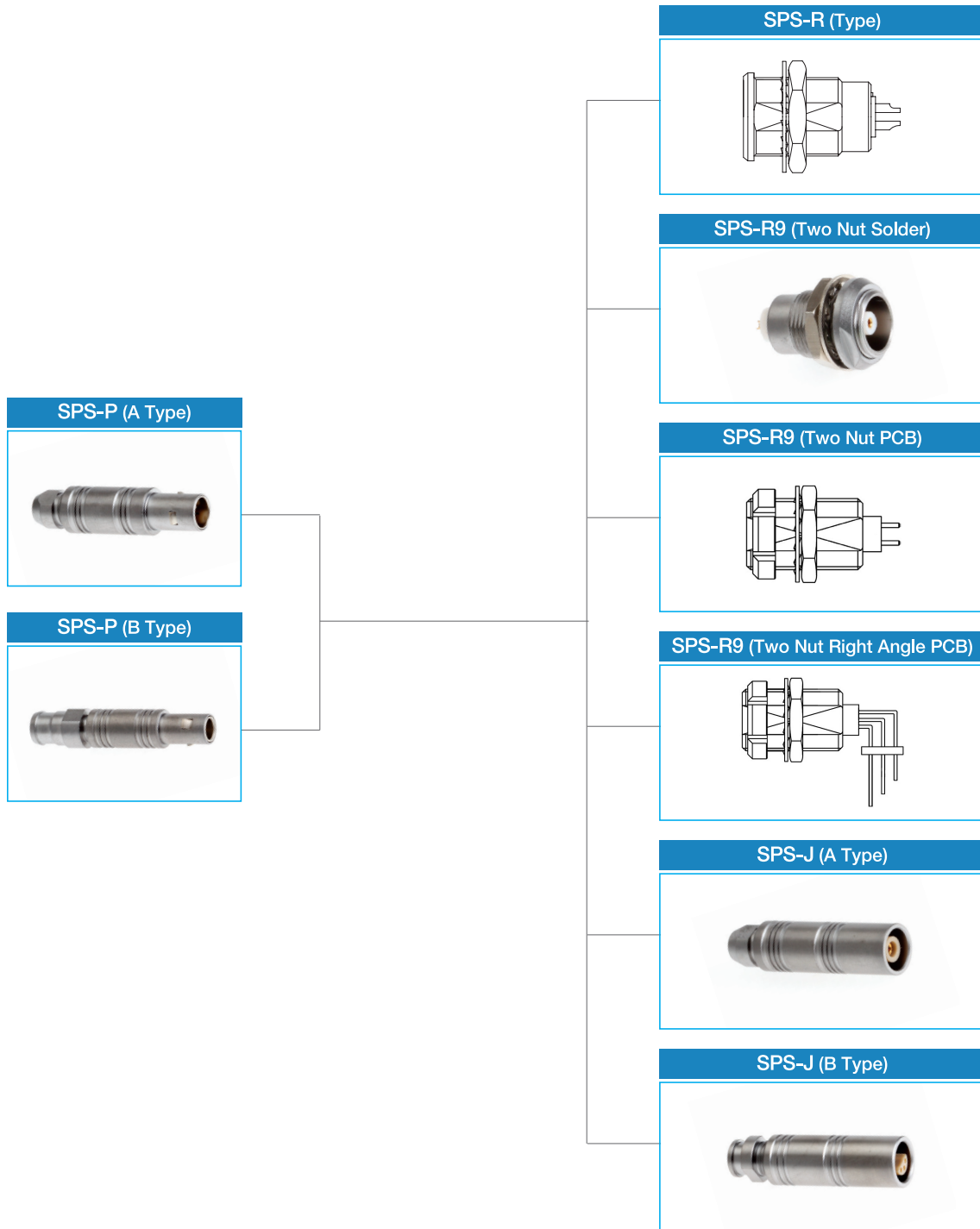


Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.

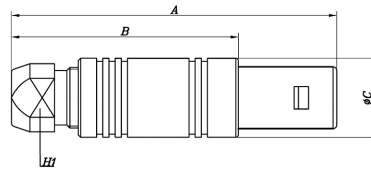
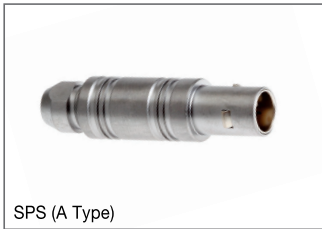
■ Performance

Performance	Endurance	Humidity	Temperature Range	Vibration Resistance	Shock Resistance	Corrosion Test	Mated IP Rating
Value	>5,000 cycles	95%rh 140°F	-67°F +482°F	10~2000Hz, 15g	100g, 6ms	>144h	IP50

■ Mini-map

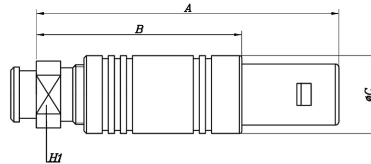
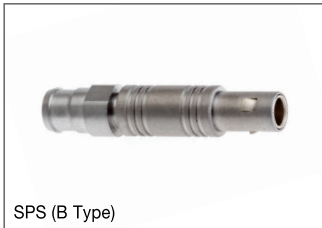


SPS Plug



Product Number						A	B	ø C	H1
SPS	00	P		A		26,0	18,0	6,4	4,5
SPS	0	P		A		34,5	24,5	9,0	6,5
SPS	1	P		A		42,5	31,5	12,0	8,5
SPS	2	P		A		52,0	40,0	14,8	11,0
SPS	3	P		A		61,0	46,0	17,8	14,0

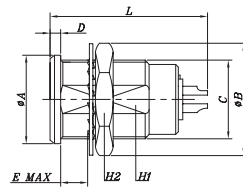
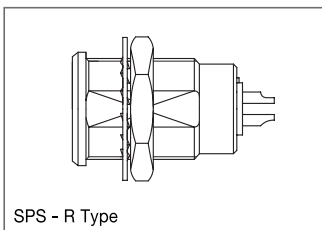
Material : Page 66
 Collet code : Page 66
 P : Male Contact SP : Female and Male Contact
 Contact code : Page 61



Product Number						A	B	ø C	H1
SPS	00	P		B		26,0	18,0	6,4	6,0
SPS	0	P		B		34,5	24,5	9,0	7,0
SPS	1	P		B		42,5	31,5	12,0	9,0
SPS	2	P		B		52,0	40,0	14,8	12,0
SPS	3	P		B		61,0	46,0	17,8	14,0

Material : Page 66
 Collet code : Page 66
 P : Male Contact SP : Female and Male Contact
 Contact code : Page 61

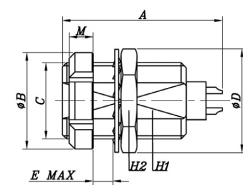
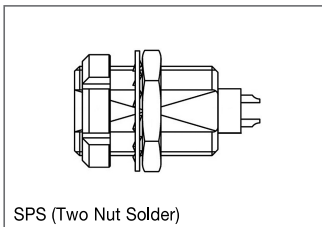
SPS Receptacle



Product Number						A	ø B	C	D	E	L	L ¹⁾	H1	H2
SPS	00	R				8	10,3	M7×0,5P	1,0	5,5	—	15,2	6,3	9
SPS	0	R				10	12,5	M9×0,6P	1,2	5,5	17,5	18,5	8,2	11
SPS	1	R				14	16,0	M12×1,0P	1,5	5,5	20,2	21,5	10,5	14
SPS	2	R				18	19,5	M15×1,0P	1,8	5,5	24,5	26,0	13,5	17
SPS	3	R				22	25,2	M18×1,0P	2,0	5,5	29,0	30,0	16,5	22

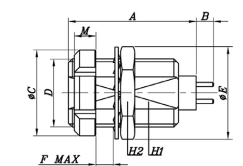
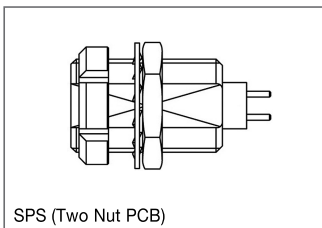
Material : Page 66
 S : Female Contact SP : Female and Male Contact
 Contact code : Page 61

1) L : Single Contact



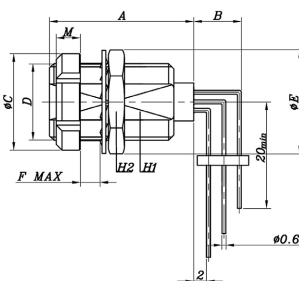
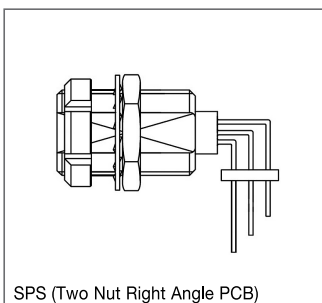
Product Number						A	ø B	C	ø D	E	H1	H2
SPS	0	Rg				17,5	12,0	M9×0,6P	12,5	8,5	8,2	11,0
SPS	1	Rg				20,2	16,0	M12×1,0P	16,0	10,0	10,5	14,0
SPS	2	Rg				24,5	19,5	M15×1,0P	20,0	11,0	13,5	17,0
SPS	3	Rg				29,0	24,0	M18×1,0P	25,2	14,0	16,5	22,0

Material : Page 66
 S : Female Contact SP : Female and Male Contact
 Contact code : Page 61



Product Number						A	B	ø C	D	ø E	F	H1	H2
SPS	0	Rg				15,0	3,0	12,0	M9×0,6P	12,5	8,5	8,2	11,0
SPS	1	Rg				17,5	3,0	16,0	M12×1,0P	16,0	10,0	10,5	14,0
SPS	2	Rg				20,0	3,0	20,0	M15×1,0P	19,5	11,0	13,5	17,0
SPS	3	Rg				24,0	3,0	24,0	M18×1,0P	25,2	14,0	16,5	22,0

Material : Page 66
 SB : PCB Female Contact
 SPB : PCB Female and Male Contact
 Contact code : Page 61

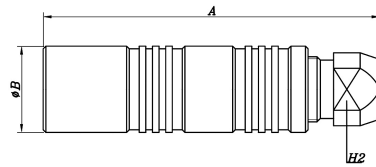


Product Number						A	B	ø C	D	ø E	F	H1	H2
SPS	0	Rg				15,0	①	12,0	M9×0,6P	12,5	8,5	8,2	11,0
SPS	1	Rg				17,5	①	16,0	M12×1,0P	16,0	10,0	10,5	14,0
SPS	2	Rg				20,0	①	20,0	M15×1,0P	19,5	11,0	13,5	17,0
SPS	3	Rg				24,0	①	24,0	M18×1,0P	25,2	14,0	16,5	22,0

Material : Page 66
 LSB : Right-angle PCB Female Contact
 LSPB : Right-angle PCB Female and Male Contact
 Contact code : Page 61

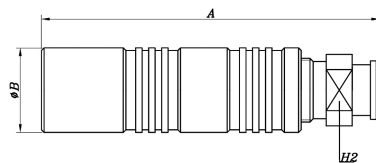
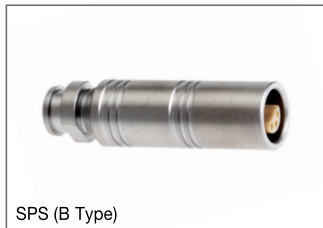
Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.

■ SPS Jack



Product Number						A	Ø B	H2
SPS	00	J		A		25,0	6,5	4,5
SPS	0	J		A		33,5	8,9	6,5
SPS	1	J		A		40,5	11,9	8,5
SPS	2	J		A		50,0	14,8	11,0
SPS	3	J		A		59,0	17,8	14,0

→ Material : Page 66
 → Collet code : Page 66
 → S : Female Contact SP : Female and Male Contact
 → Contact code : Page 61



Product Number						A	Ø B	H2
SPS	00	J		B		25,0	6,5	6,0
SPS	0	J		B		33,5	8,9	7,0
SPS	1	J		B		40,5	11,9	9,0
SPS	2	J		B		50,0	14,8	12,0
SPS	3	J		B		59,0	17,8	14,0

→ Material : Page 66
 → Collet code : Page 66
 → S : Female Contact SP : Female and Male Contact
 → Contact code : Page 61

■ Contact Code (single contact)

Series & Model	Size	Contact Code	Current	Contact Ø	Wire Gauge (Maximum)	Male Contact Arrangement	Female Contact Arrangement
SPS	00	113	8A	1,3	AWG20		
	0	116	12A	1,6	AWG18		
	1	120	18A	2,0	AWG14-16		
		130	25A	3,0	AWG10-12		

■ Contact Code (coaxial)

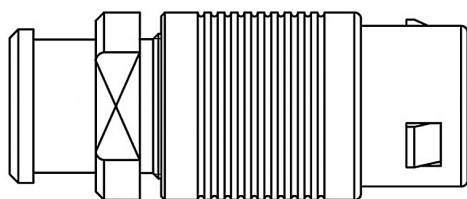
Series & Model	Size	Contact Code	Current	Impedance	Cable Group	VSWR (GHz)	Contact Arrangement
SPS	00	250	4A	50	1-3-5-6	1,09+11,f	
	0	250	6A	50	1-2-3-4	1,02+25f	
	1	250	12A	50	1-2-3-4-6	1,01+0,8f	
		275	10A	75	5-6-7	1,02+0,8f	

■ Contact Code (multi-contact)

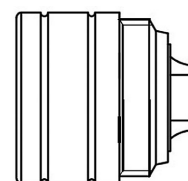
Series & Model	Size	Contact Code	Current	Contact Ø	No. of Contacts	Wire Gauge (Maximum)	Contact Arrangement
SPS	0	302	10A	0,9	2	AWG22	
		304	7A	0,7	4	AWG24	
	1	302	15A	1,3	2	AWG20	
		304	10A	0,9	4	AWG22	
	2	310	7A	0,9	10	AWG22	
	3	302	23A	2,0	2	AWG14	

Note : Connector contact arrangement is from mating surface.

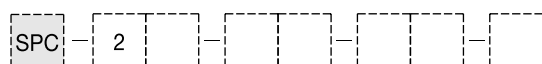
Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.



SPC Series



■ SPC Part Numbering - Hermaphroditic keying system (short dimension)



Size

2

Body Type

P : Plug PF : Fixed plug
R3 : Receptacle J : Jack

Contact Code

306 : 3 Female & 3 Male

Contact Type

SP : Female and Male contact

Screw Cap Code (Plug and Jack only)

A : Screw Cap Terminated
B : Screw Cap + Boot type

Collet Code (Plug and Jack only)

See page 66

Material and Female Contact Cut Code

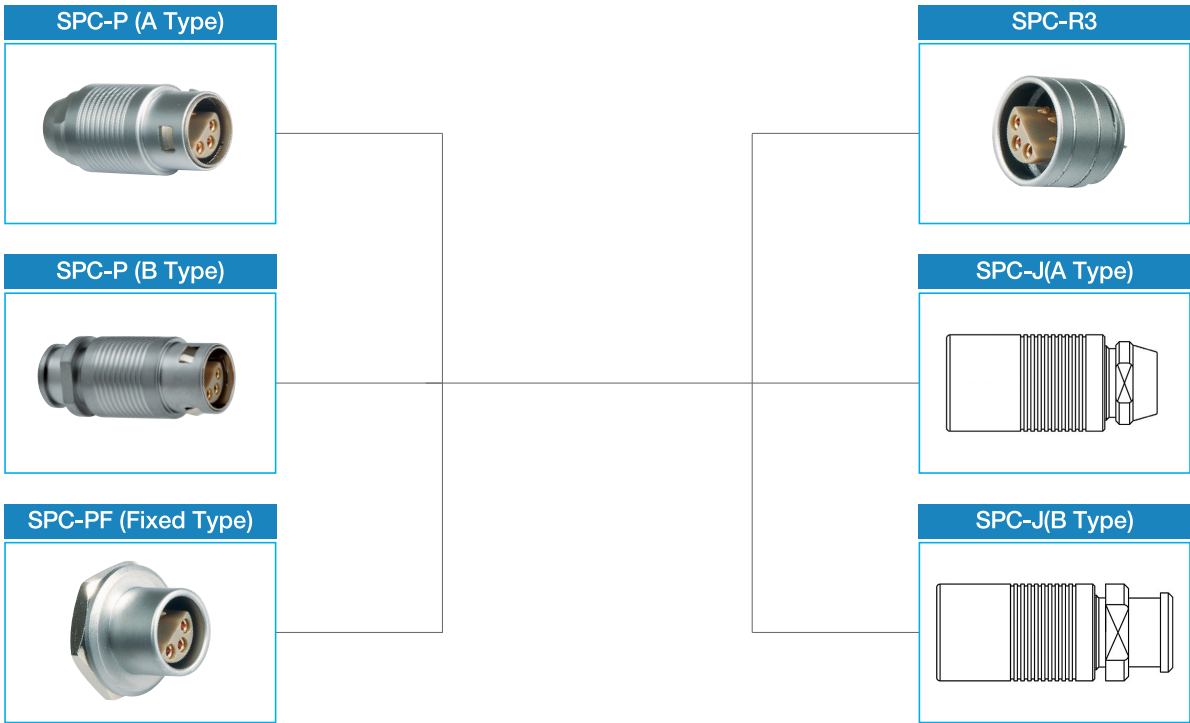
See page 66

■ Performance

Performance	Endurance	Humidity	Temperature Range	Corrosion Test	Mated IP Rating
Value	>5,000 cycles	95%rh 140 °F	-67 °F +482 °F	>144h	IP50

Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.

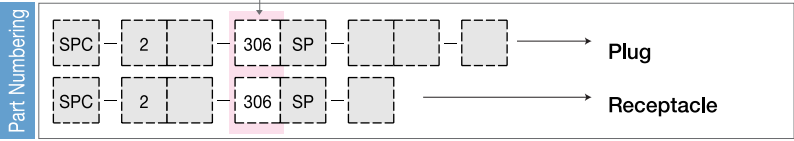
■ Mini-map



■ Contact Code

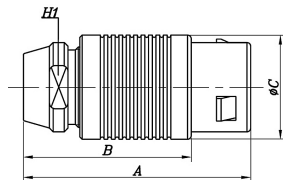
Series & Model	Size	Contact Code	Current	Contact $\varnothing$	No. of Contacts	Wire Gauge (Maximum)	Contact Arrangement
SPC	2	306	12A	1,3	6	AWG20	

Note : Connector contact arrangement is from mating surface.



SP Series C Model Plug / Receptacle / Jack(Size & Shell Selection)

■ SPC Plug

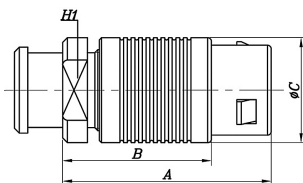
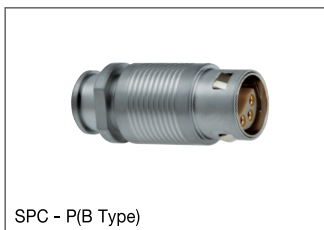


Product Number	A	B	Ø C	H1
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SPC 2 P 306 SP A 1

30 22 14 10,5

Material : Page 66
Collet code : Page 66

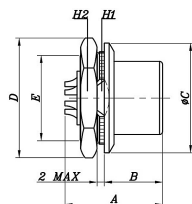
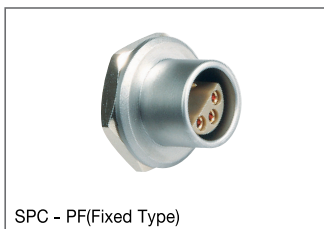


Product Number	A	B	Ø C	H1
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SPC 2 P 306 SP B 1

28,4 20,4 14 12

Material : Page 66
Collet code : Page 66



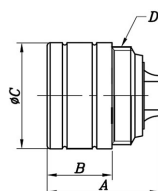
Product Number	A	B	Ø C	D	E	H1	H2
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SPC 2 PF 306 SP B 1

17 9,5 18 19,5 M15×1P 13,8 17

Material : Page 66
Collet code : Page 66

■ SPC Receptacle



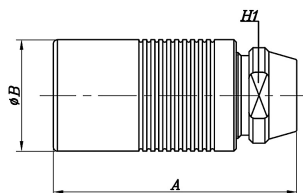
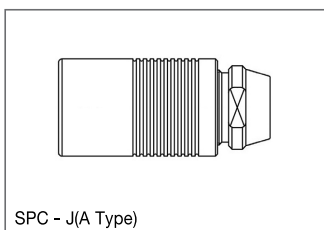
Product Number	A	B	Ø C	D
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SPC 2 R3 306 SP

14,2 8,5 14,0 M13×0,75P

Material : Page 66

■ SPC Jack

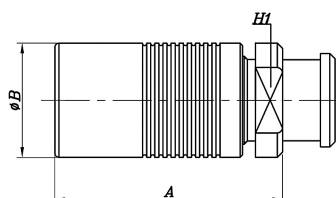
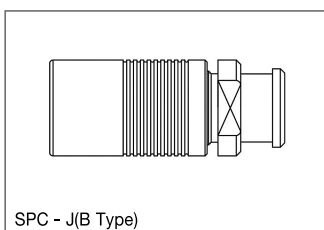


Product Number	A	Ø B	H1
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SPC 2 J 306 SP A 1

28 14 1,5

Material : Page 66
Collet code : Page 66



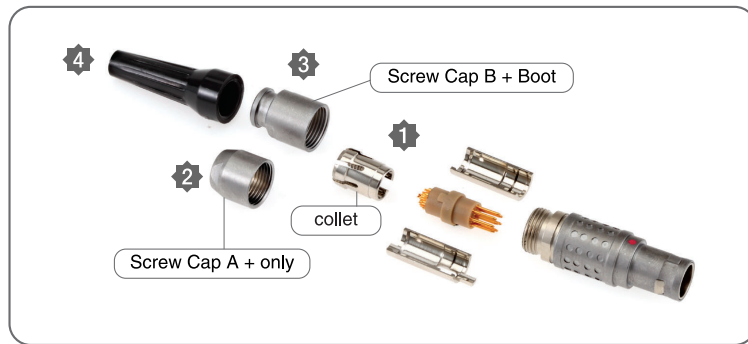
Product Number	A	Ø B	H1
----------------	---	-----	----

SPC 2 J 306 SP B 1

26,4 14 12

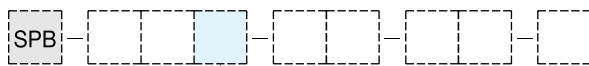
Material : Page 66
Collet code : Page 66

Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.



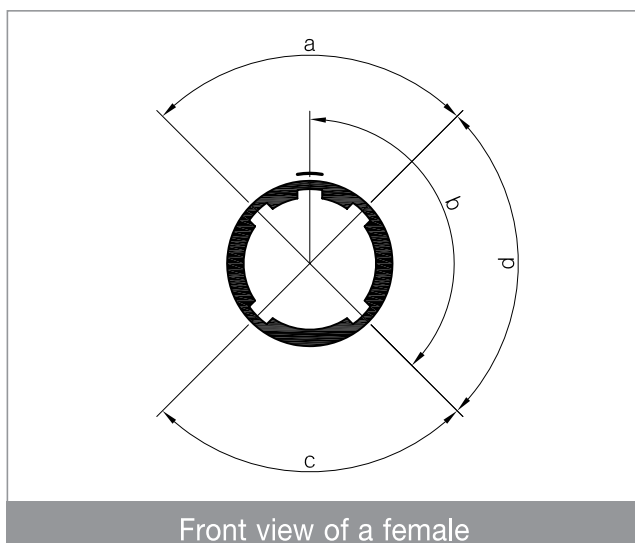
- 1) Collet
 - 2) Screw Cap A
 - 3) Screw Cap B
 - 4) Boot
- Screw Cap B + Boot

■ Key Angles Code - For all SP series



Key Angles

Angles		a									b				c				d
		0°	30°	40°	45°	60°	90°	37,5°	52,5°	80°	120°	135°	145°	155°	45°	70°	80°	95°	110°
Part No.		Blank	A	N	D	B	C	E	F	L	K	M	U	X	D1	H	L1	Z	Q
Application size	00	○	○			○									○				
	0	○	○	○		○	○					○	○	○	○	○	○		○
	1	○	○	○		○	○			○ (SPP)		○	○	○	○	○	○		
	2	○	○	○	○	○		○	○		○		○			○		○	
	3	○	○		○	○		○	○		○		○			○		○	



SP Series Collet Code / Material Code

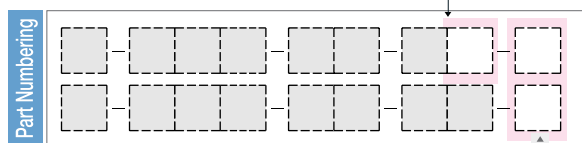
Collet Code Information

Series & Model	Size	Collet Code						
			Collet		Cable Ø		Screw Cap Type A	Screw Cap Type B
			Ø A	Ø B	max	min		
SPB	00	D22	2,2	—	2,2	1,4	●	
		D27	2,7	—	2,7	> 2,2	●	
		D30	3,1	2,8	3,0	2,5	●	
		D35	3,5	2,8	3,4	2,9	●	
	0	D21	2,1	—	2,0	1,5	●	●
		D31	3,1	—	3,0	2,1	●	●
		B32	3,2	—	3,2	> 2,2	●	●
		D42	4,2	—	4,0	3,1	●	●
		D52	5,2	4,7	5,0	4,1	●	●
		D56	5,6	4,7	5,5	5,1	●	●
		M27	2,7	—	2,7	> 2,2	●	●
	1	M31	3,1	—	3,1	> 2,7	●	●
		D42	4,2	—	4,0	3,1	●	●
		D52	5,2	—	5,0	4,1	●	●
		D62	6,2	—	6,0	5,1	●	●
		D72	7,2	6,7	7,0	6,1	●	●
		D76	7,6	6,7	7,5	7,1	●	●
		M21	2,1	—	2,2	1,4	●	●
	2	M32	3,1	—	3,2	> 2,2	●	●
		D42	4,2	—	4,0	3,1	●	●
		D52	5,2	—	5,0	4,1	●	●
		D62	6,2	—	6,0	5,1	●	●
		D72	7,2	—	7,0	6,1	●	●
		D82	8,2	—	8,0	7,1	●	●
		D92	9,2	8,6	9,0	8,1	●	●
	3	D99	9,9	8,6	9,7	9,1	●	●
		M52	5,2	—	5,0	4,1	●	●
		D62	6,2	—	6,0	5,1	●	●
		D72	7,2	—	7,0	6,1	●	●
		D82	8,2	—	8,0	7,1	●	●
		D92	9,2	—	9,0	8,1	●	●
		D10	10,2	—	10,0	9,1	●	●
SPS	00	L29	2,9	—	2,8	2,4	●	●
		L31	3,1	—	3,0	2,6	●	●
	0	L42	4,2	—	4,1	3,7	●	●
	1	L44	4,4	—	4,3	3,5	●	●
SPC	2	L62	6,2	—	6,1	5,3	●	●
		L37	3,7	—	3,6	3,2	●	●
		L42	4,0	—	4,1	3,7	●	●
		L52	5,2	—	5,1	4,7	●	●
		L62	6,2	—	6,1	5,7	●	●
		L72	7,2	—	7,1	6,7	●	●
		L82	8,2	—	8,1	7,7	●	●

Collet Code

Material Code (For all SP Metal series)

Contact		Insulator		Female Contact Cut		Latch Sleeve	
code 1	Material	code 2	Material	code 3	Method	code 4	Material
A	Brass	L	PEEK	S	Side	R	Brass
P	Bronze	N	PA	H	Half	P	Bronze
R	Bronze (press)	T	Teflon				



Material Code

Material Code Instruction

Plug + Male Contact : Code 1, 2, 4

Plug + Female Contact : Code 1, 2, 3, 4

Plug + Male & Female Contact : Code 1, 2, 3, 4

Receptacle/Jack + Female Contact : Code 1, 2, 3

Receptacle/Jack + Male Contact : Code 1, 2

Receptacle/Jack + Male & Female Contact : Code 1, 2, 3



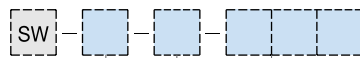
Features

- Push-pull self latching technology
- Ultra precision
- High contact density
- High reliability / durability
- High vibration and outer force resistance
- UL Recognized 
- Standard and Custom Design

Applications

- Telecommunications
- Professional A/V
- HDTV panel system
- Vision related equipment
- and much more
- Optical testing equipment
- Portable wireless radio
- CCTV
- Medical equipment

■ Part Numbering



Drawing Number

Optional Suffix (Omissible)

1,2,3

To indicate modification of original

Cable Length : 3 Digits

Unit Plug : m

Recep : cm

Ex) Using 3m Cable for Plug : 003

Using 30cm Cable for Recep : 030

■ Plug Cable Assembly



Type	Construction
A	SP Connector + Cable + Housing
B	SP Connector + Cable + SP Connector

※ Design and Customization Service Available

■ Receptacle Cable Assembly



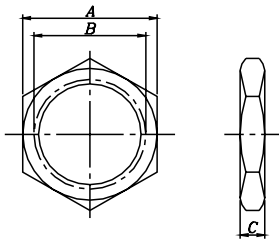
Type	Construction
A	SP Connector + wire + open end
B	SP Connector + wire + Housing
C	SP Connector + wire + Housing with core

※ Design and Customization Service Available

■ Applied Nut per Receptacle type

Receptacle Type	Applied Nut
R : Receptacle	Hexagonal Nut
BR : Bulkhead Receptacle	Hexagonal Nut or Optional Nut
R9 : Two-Nut Receptacle	Hexagonal Nut and Optional Nut
RT : Receptacle-threaded type	Hexagonal Nut or Optional Nut
RT1 : Right-angle Receptacle-threaded type	Hexagonal Nut or Optional Nut
RT2 : Right-angle Receptacle-threaded type + H cut	Hexagonal Nut or Optional Nut

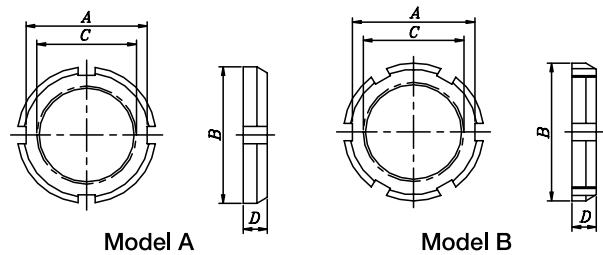
■ Hexagonal Nut



Product Number	Series	Dimensions (mm)		
		A	B	C
SPHN-00R-M7	00	9	M7×0,5	2,0
SPHN-0R-M9	0	11	M9×0,6	2,0
SPHN-0R-M10	0	12	M10×0,75	2,5
SPHN-0R-M14	0	17	M14×1,0	2,5
SPHN-1R-M14	1			
SPHN-1R-M12	1	14	M12×1,0	2,5
SPHN-1R-M12	1			
SPHN-1R-M16	1	19	M16×1,0	3,0
SPHN-2R-M16	2			
SPHN-2R-M15	2	17	M15×1,0	2,7
SPHN-2R-M20	2	24	M20×1,0	4,0
SPHN-3R-M18	3	22	M18×1,0	3,0
SPHN-3R-M24	3	30	M24×1,0	5,0

■ 1. Notched Nuts

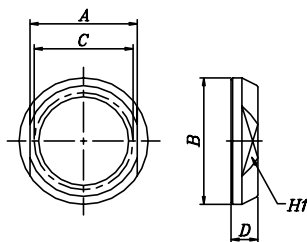
►Optional Nut



Product Number	Model	Dimensions (mm)			
		A	B	C	D
SPNN-00R-M7	A	8,7	10,0	M7×0,5	2,5
SPNN-0R-M9	A	10,5	12,0	M9×0,6	2,5
SPNN-0R-M14	A	15,8	18,0	M14×1,0	3,5
SPNN-1R-M12	A	14,0	16,0	M12×1,0	3,5
SPNN-1R-M16	B	17,5	20,0	M16×1,0	3,5
SPNN-1R-M11	A	12,1	14,0	M11×0,5	3,5
SPNN-2R-M15	B	17,5	20,0	M15×1,0	3,5
SPNN-2R-M19	B	20,5	24,0	M19×1,0	3,5
SPNN-2R-M20	B	22,5	25,0	M20×1,0	3,5

■ 2. Conical Nuts

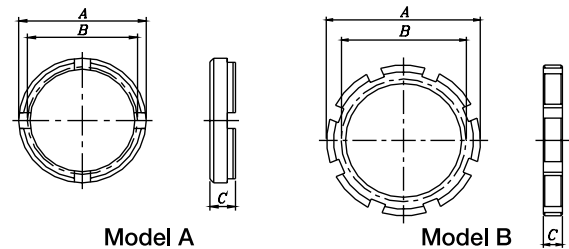
►Optional Nut



Product Number	Dimensions (mm)				
	A	B	C	D	H1
SPCN-00R-M7	8,0	10,0	M7×0,5	2,5	8
SPCN-0R-M9	10,0	12,0	M9×0,6	2,5	10
SPCN-0R-M14	16,0	18,0	M14×1,0	3,0	16
SPCN-1R-M12	13,0	16,0	M12×1,0	3,2	13
SPCN-1R-M16	17,0	20,0	M16×1,0	4,0	17
SPCN-1R-M11	12,0	14,0	M11×0,5	3,2	12
SPCN-2R-M15	17,0	20,0	M15×1,0	3,8	17
SPCN-2R-M19	20,0	24,0	M19×1,0	5,8	20
SPCN-2R-M20	22,0	25,0	M20×1,0	5,0	20
SPCN-3R-M18	20,0	24,0	M18×1,0	4,5	20
SPCN-3R-M24	27,0	30,0	M24×1,0	4,5	24

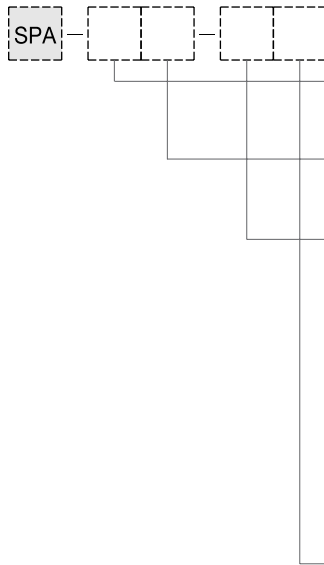
■ 3. Round Nuts

►Optional Nut



Product Number	Model	Dimensions (mm)		
		A	B	C
SPRN-00R-M7	A	9,0	M7×0,5	4,0
SPRN-0R-M9	A	11,0	M9×0,6	4,0
SPRN-0R-M14	A	18,0	M14×1,0	5,0
SPRN-1R-M12	A	14,0	M12×1,0	5,0
SPRN-1R-M16	A	20,0	M16×1,0	5,0
SPRN-2R-M15	A	18,0	M15×1,0	5,5
SPRN-2R-M15	A	17,5	M15×0,75	2,5
SPRN-3R-M18	A	22,0	M18×1,0	5,5

Specifications subject to change without notice.
Consult Sam Woo Electronics for the latest specifications.



Size

00, 0, 1, 2, 3

Accessory Type

B : Boot

Color Code

BK : Black

GY : Grey

WH : White

RD : Red

GN : Green

BU : Blue

OR : Orange

YE : Yellow

BR : Brown

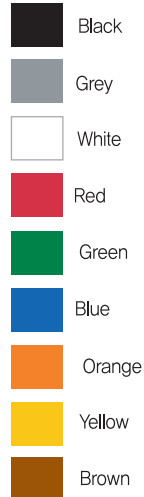
Boot Size Code

Insert ϕ A from below chart "Min Cable ϕ "

■ Boot Size Code (example with color black)



Boot Product Number	Size	Dimension		Cable ϕ		Material
		ϕ A	L	max	min	Silicon
SPA-0B-BK25(S)	0	2,5	24	2,9	2,5	Black
SPA-0B-BK30(S)		3,0	24	3,4	3,0	
SPA-0B-BK35(S)		3,5	24	3,9	3,5	
SPA-0B-BK40(S)		4,0	24	4,4	4,0	
SPA-0B-BK45(S)		4,5	24	5,2	4,5	
SPA-1B-BK25(S)	1	2,5	30	2,9	2,5	Grey
SPA-1B-BK30(S)		3,0	30	3,4	3,0	
SPA-1B-BK35(S)		3,5	30	3,9	3,5	
SPA-1B-BK40(S)		4,0	30	4,4	4,0	
SPA-1B-BK45(S)		4,5	30	4,9	4,5	
SPA-1B-BK54(S)		5,4	30	6,0	5,4	
SPA-1B-BK65(S)	2	6,5	30	7,0	6,5	White
SPA-2B-BK40(S)		4,0	36	4,5	4,0	
SPA-2B-BK45(S)		4,5	36	5,0	4,5	
SPA-2B-BK50(S)		5,0	36	5,5	5,0	
SPA-2B-BK60(S)		6,0	36	6,5	6,0	
SPA-2B-BK70(S)		7,0	36	7,7	7,0	
SPA-2B-BK78(S)	3	7,8	36	8,8	7,8	Red
SPA-3B-BK70(S)		7,0	42	7,9	7,0	
SPA-3B-BK80(S)		8,0	42	8,9	8,0	
SPA-3B-BK90(S)		9,0	42	10,0	9,0	
SPA-3B-BK110(S)		11,0	42	11,0	10,5	



! To change color from above example, change "BK" to color of preference.

■ Material

Material	Applicable Series	Temperature range
Silicon	0~3 Size	-60℃ ~ +200℃
Polyurethane	All	-40℃ ~ +80℃

Specifications subject to change without notice.
Consult Sam Woo Electronics for the latest specifications.