

SCK Series – Part Numbering



Features

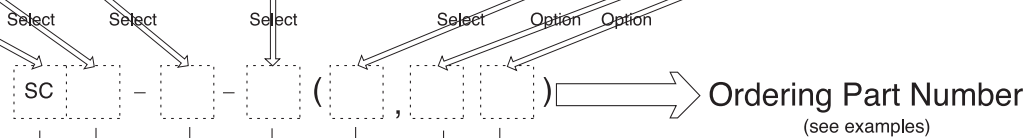
- Rugged
- Simple construction
- Stable mechanical / Electrical performances

Applications

- Electric / Electronic
- Communication

Part Numbering

Part Number		Size	Number of Contacts	Suffix (Body Type)	Option		Notes	Page	
Series	Prefix				L/T	W			
SC	K	12,16,20,25, 30,32,40	12 size:2 or 4 16 size:2,3,4,5,6,7,8 20 size:2,3,4,5,6,8,10,20 25 size:2,3,4,5,6,8,10,12 30 size:2,3,4,6,8,10,14 32 size:2,3,4 40 size:2,3,4,6,12	P	●	●	SCK series plug	22	
				PL			SCK series Right-angle plug	22	
				R			Receptacle (Panel type)	23	
				RC			Receptacle Cover	25	
				R		●	Receptacle (Nut type)	23	
				RPCB			Receptacle (PCB type)	23	
	N	12,16,20,25	12,16,20,25	Check each product for more detail	P			Plug (Reverse contact)	25
					R			Receptacle (Reverse contact)	25
					R			Receptacle (Reverse contact)	25
	KH	16,25,30	16,25,30	Check each product for more detail	P			Adapter (Socket Adapter)	24
					A			Adapter (Pin Adapter)	24



Examples

- SCK - 12 - 4 (P)
SCK series - Size 12 - 4 contact (Plug)
- SCN - 20 - 10 (R)
SCN series - Size 20 - 10 contact (Nut Type Receptacle)
- SCA - 30 - 2 (P)
SCA series - Size 30 - 2 contact (Adapter - female contact)
- SCK - 16 - 4 (P , L/T)
SCK series - Size 16 - 4 contact (Plug , Lock Type)
- SCK - 16 - 8 (PL)
SCK series - Size 16 - 8 contact (Right Angle Plug)
- SCN - 16 - 7 (RPCB)
SCN series - Size 16 - 7 contact (PCB Receptacle)

Connector Series (Body Type)

- SCK - Plug(Socket) / Receptacle(Pin)
- SCN - Nut type receptacle(Pin)
- SCKH - Plug(Pin) / Receptacle(Socket)
- SCNH - Receptacle(Socket)
- SCA - Adapter

Size

12,16,20,25,30,32,40

No. of Contacts

- 12 Size : 2 or 4
- 16 Size : 2,3,4,5,6,7,8
- 20 Size : 2,3,4,5,6,8,10,20
- 25 Size : 2,3,4,5,6,8,10,12
- 30 Size : 2,3,4,6,8,10,14
- 32 Size : 2,3,4
- 40 Size : 2,3,4,6,12

Extended Body Type

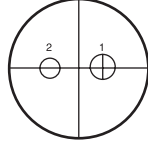
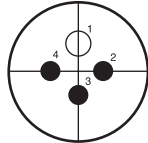
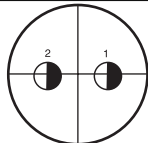
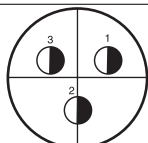
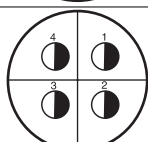
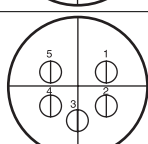
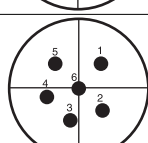
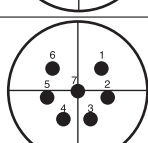
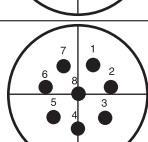
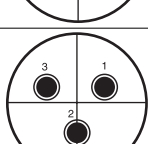
- P : Plug
- PL : Right angle Plug
- R : Receptacle
- RPCB : PCB Receptacle
- RC : Receptacle Cap
- A : Adapter

Option

- L/T : Lock type (available in size 16 with 4,5,6,7,8 contacts only)
- W : Waterproof (only available in size 12, 4 contacts)

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

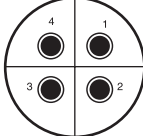
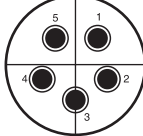
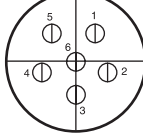
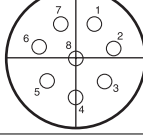
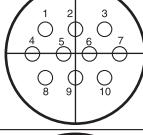
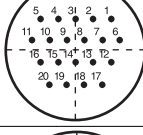
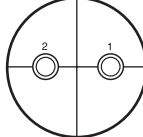
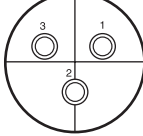
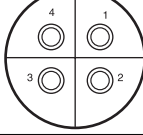
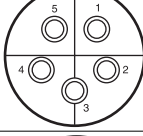
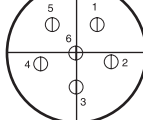
Major Performances / Contact Arrangements

Performance Size / No. of Contacts		Withstanding Voltage/min.	Current	Insulation Resistance (Minimum)	Contact Resistance (Maximum)	Contact Ø	Solder Pot Ø	Contact Arrangement
12	2	AC 500V	4A	1,000MΩ	5mΩ	2.0	1.2	
			3A			1.5		
	4	AC 500V	4A	1,000MΩ	5mΩ	2.0	1.2	
			3A			1.0		
16	2	AC 500V	5A	1,000MΩ	5mΩ	2.5	1.5	
	3	AC 500V	5A	1,000MΩ	5mΩ	2.5	1.5	
	4	AC 500V	5A	1,000MΩ	5mΩ	2.5	1.5	
	5	AC 500V	4A	1,000MΩ	5mΩ	2.0	1.2	
	6	AC 500V	3A	1,000MΩ	5mΩ	1.2	1.0	
	7	AC 500V	3A	1,000MΩ	5mΩ	1.2	1.0	
	8	AC 500V	3A	1,000MΩ	5mΩ	1.2	1.0	
	20	2	AC 1000V	7A	1,000MΩ	5mΩ	3.0	2.2
3		AC 1000V	7A	1,000MΩ	5mΩ	3.0	2.2	

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SCK Series – Specifications

Major Performances / Contact Arrangements

Performance Size / No. of Contacts	Withstanding Voltage/min.	Current	Insulation Resistance (Minimum)	Contact Resistance (Maximum)	Contact Ø	Solder Pot Ø	Contact Arrangement	
20	4	AC 1000V	7A	1,000MΩ	5mΩ	3.0	2.2	
	5	AC 1000V	7A	1,000MΩ	5mΩ	3.0	2.2	
	6	AC 1000V	4A	1,000MΩ	5mΩ	2.0	1.5	
	8	AC 1000V	3A	1,000MΩ	5mΩ	1.5	1.0	
	10	AC 1000V	3A	1,000MΩ	5mΩ	1.5	1.0	
	20	AC 1000V	2A	1,000MΩ	5mΩ	0.7	0.8	
25	2	AC 1000V	10A	1,000MΩ	5mΩ	3.5	2.7	
	3	AC 1000V	10A	1,000MΩ	5mΩ	3.5	2.7	
	4	AC 1000V	10A	1,000MΩ	5mΩ	3.5	2.7	
	5	AC 1000V	10A	1,000MΩ	5mΩ	3.5	2.7	
	6	AC 1000V	4A	1,000MΩ	5mΩ	2.0	1.5	

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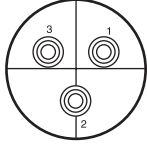
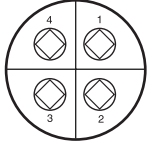
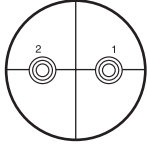
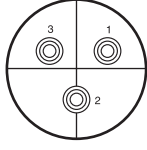
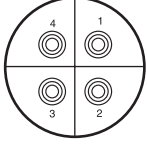
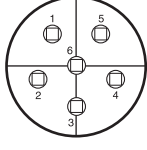
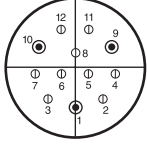
Major Performances / Contact Arrangements

Performance Size / No. of Contacts		Withstanding Voltage/min.	Current	Insulation Resistance (Minimum)	Contact Resistance (Maximum)	Contact Ø	Solder Pot Ø	Contact Arrangement
25	8	AC 1000V	4A	1,000MΩ	5mΩ	2.0	1.5	
	10	AC 1000V	4A	1,000MΩ	5mΩ	2.0	1.5	
	12	AC 1000V	4A	1,000MΩ	5mΩ	2.0	1.5	
30	2	AC 500V	15A	1,000MΩ	5mΩ	3.5	2.7	
	3	AC 500V	15A	1,000MΩ	5mΩ	3.5	2.7	
	4	AC 500V	15A	1,000MΩ	5mΩ	3.5	2.7	
	6	AC 1000V	15A	1,000MΩ	5mΩ	3.5	2.7	
	8	AC 1000V	15A	1,000MΩ	5mΩ	3.5	2.7	
	10	AC 1000V	5A	1,000MΩ	5mΩ	2.5	2.2	
	14	AC 1000V	4A	1,000MΩ	5mΩ	1.8	1.2	
32	2	AC 1000V	40A	1,000MΩ	5mΩ	7.0	4.1	

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SCK Series – Specifications

Major Performances / Contact Arrangements


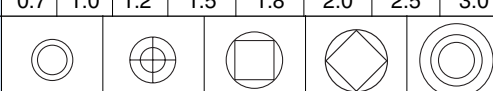
Performance Size / No. of Contacts		Withstanding Voltage/min.	Current	Insulation Resistance (Minimum)	Contact Resistance (Maximum)	Contact Ø	Solder Pot Ø	Contact Arrangement
32	3	AC 1000V	40A	1,000MΩ	5mΩ	7.0	4.1	
	4	AC 1000V	30A	1,000MΩ	5mΩ	6.0	4.2	
40	2	AC 1000V	40A	1,000MΩ	5mΩ	7.0	4.5	
	3	AC 1000V	40A	1,000MΩ	5mΩ	7.0	4.5	
	4	AC 1000V	40A	1,000MΩ	5mΩ	7.0	4.5	
	6	AC 1000V	20A	1,000MΩ	5mΩ	4.5	3.5	
	12	AC 1000V	10A 4A	1,000MΩ	5mΩ	3.0 2.0	2.0 1.5	

- ! ¹ Withstanding voltage is the tested voltage value in this table.
² Insulation resistance is measured at DC 100V.
³ Contact resistance is measured at DC 1A.
⁴ Values are from tested items and may not apply to all connectors.
⁵ Connector contact arrangement is from mating surface.

Material Used / Finish

		Material	Finish
Body		Zinc alloy	Nickel
Insulator	Size 12	PA & Bakelite	Green
	Size 16	Bakelite	Black
	Size 20,25,30	Bakelite	Green
	Size 32,40	Epoxy	Green
Contacts	Pin	Brass	Silver or Gold
	Socket	Brass, Phosphor Bronze	Silver or Gold

Symbol for Contact Diameter

Mark								
Diameter	0.7	1.0	1.2	1.5	1.8	2.0	2.5	3.0
Mark								
Diameter	3.5	4.0	4.5	6.0	7.0			

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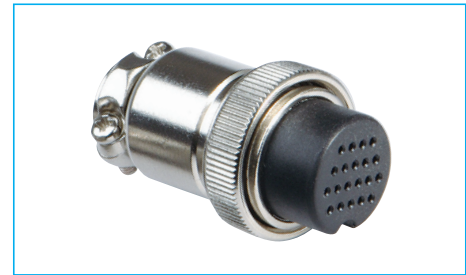
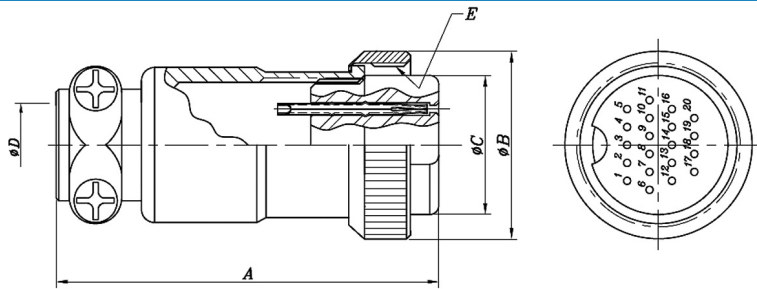
SCK / SCN Series Mini-map



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

SCK Series – SCK Plug, Lock-Type Plug, Right-Angle Plug

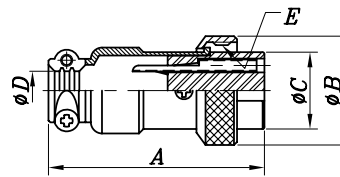
SCK Plug



SCK-20-20(P)

Part Number	A	ØB	ØC	ØD	E					
SCK-12-2(P)	28.6	14.5	9.2	5.0	M13×0.75P					
SCK-12-4(P)										
SCK-16-2(P)	35.7	18.2	12.6	6.4	M16×1.0P					
SCK-16-3(P)										
SCK-16-4(P)										
SCK-16-5(P)										
SCK-16-6(P)										
SCK-16-7(P)										
SCK-16-8(P)	42.5	21.8	15.5	8.2	M19×1.0P					
SCK-20-2(P)										
SCK-20-3(P)										
SCK-20-4(P)										
SCK-20-5(P)										
SCK-20-6(P)										
SCK-20-8(P)										
SCK-20-10(P)										
SCK-20-20(P)										
SCK-25-2(P)						50.0	28.2	21.5	11.0	M25×1.25P
SCK-25-3(P)										
SCK-25-4(P)										
SCK-25-5(P)										
SCK-25-6(P)										
SCK-25-8(P)										
SCK-25-10(P)										
SCK-25-12(P)										
SCK-30-2(P)	53.5	33.0	25.0	13.0	M29×1.0P					
SCK-30-3(P)										
SCK-30-4(P)										
SCK-30-6(P)										
SCK-30-8(P)										
SCK-30-10(P)										
SCK-30-14(P)	59.0	37.8	28.3	15.0	M34×1.0P					
SCK-32-2(P)										
SCK-32-3(P)										
SCK-32-4(P)										
SCK-40-2(P)	67.7	45.5	34.8	18.0	M41.5×1.5P					
SCK-40-3(P)										
SCK-40-4(P)										
SCK-40-6(P)										
SCK-40-12(P)										

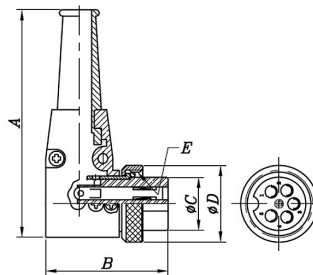
SCK Series Plug (Lock Type)



SCK-16-6(P, L/T)

Part Number	A	ØB	ØC	ØD	E
SCK-16-4(P, L/T)	36.0	18.2	12.6	6.4	M16×1.0P
SCK-16-5(P, L/T)					
SCK-16-6(P, L/T)					
SCK-16-7(P, L/T)					
SCK-16-8(P, L/T)					

SCK Right-Angle Plug



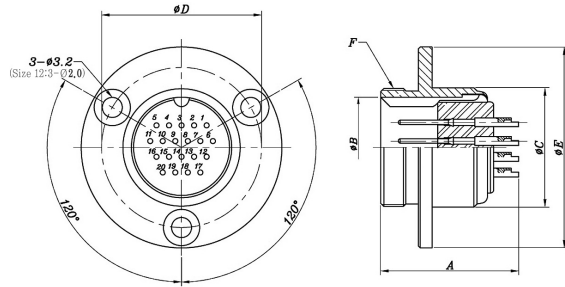
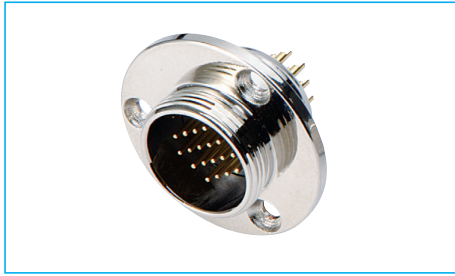
SCK-16-5(PL)

Part Number	A	B	ØC	ØD	E
SCK-16-4(PL)	54.0	29	12.6	18.2	M16×1.0P
SCK-16-5(PL)					
SCK-16-6(PL)					
SCK-16-7(PL)					
SCK-16-8(PL)					

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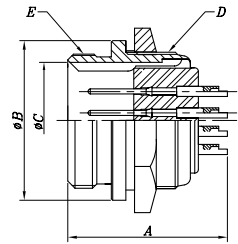
SCK Receptacle

SCK-20-20(R)



SCN Receptacle

SCN-20-20(R)

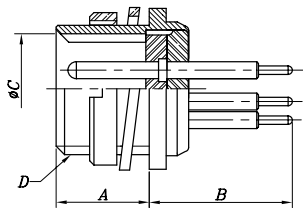


Part Number	A	ØB	ØC	D	E
SCN-12-2(R)	17.3	15.0	9.6	M12×0.75P	M13×0.75P
SCN-12-4(R)					
SCN-16-2(R)					
SCN-16-3(R)					
SCN-16-4(R)	20.6	18.8	13.0	M16×0.75P	M16×1.0P
SCN-16-5(R)					
SCN-16-6(R)					
SCN-16-7(R)					
SCN-16-8(R)	22.0	23.0	15.9	M19×0.75P	M19×1.0P
SCN-20-2(R)					
SCN-20-3(R)					
SCN-20-4(R)					
SCN-20-5(R)					
SCN-20-6(R)					
SCN-20-8(R)					
SCN-20-10(R)	28.0	29.0	21.9	M25×1.0P	M25×1.25P
SCN-20-20(R)					
SCN-25-2(R)					
SCN-25-3(R)					
SCN-25-4(R)					
SCN-25-5(R)					
SCN-25-6(R)					
SCN-25-8(R)					
SCN-25-10(R)					
SCN-25-12(R)					

SCN PCB Receptacle

Solder type also available

SCN-16-8(BRPCB)



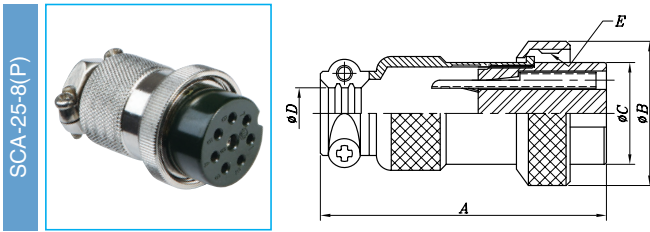
Part Number	A	B	ØC	D
SCN-16-2(BRPCB)	11.0	11.7~17.7 (Customizable)	13	M16×1.0P
SCN-16-3(BRPCB)				
SCN-16-4(BRPCB)				
SCN-16-5(BRPCB)				
SCN-16-6(BRPCB)				
SCN-16-7(BRPCB)				
SCN-16-8(BRPCB)	12.5	11.7~17.7 (Customizable)	16	M19×1.0P
SCN-20-3(BRPCB)				
SCN-20-4(BRPCB)				

Part Number	A	ØB	ØC	ØD	ØE	F						
SCK-12-2(R)	17.3	9.6	11.8	17.0	22.0	M13×0.75P						
SCK-12-4(R)												
SCK-16-2(R)												
SCK-16-3(R)												
SCK-16-4(R)	21.0	13.0	15.9	24.0	30.7	M16×1.0P						
SCK-16-5(R)												
SCK-16-6(R)												
SCK-16-7(R)												
SCK-16-8(R)	22.0	16.0	19.0	25.5	32.0	M19×1.0P						
SCK-20-2(R)												
SCK-20-3(R)												
SCK-20-4(R)												
SCK-20-5(R)												
SCK-20-6(R)												
SCK-20-8(R)												
SCK-20-10(R)												
SCK-20-20(R)												
SCK-25-2(R)							27.5	21.9	25.0	34.0	42.0	M25×1.25P
SCK-25-3(R)												
SCK-25-4(R)												
SCK-25-5(R)												
SCK-25-6(R)												
SCK-25-8(R)												
SCK-25-10(R)												
SCK-25-12(R)												
SCK-30-2(R)	28.2	25.7	29.0	37.0	45.5	M29×1.0P						
SCK-30-3(R)												
SCK-30-4(R)												
SCK-30-6(R)												
SCK-30-8(R)												
SCK-30-10(R)												
SCK-30-14(R)	33.5	28.9	32.0	42.0	50.8	M34×1.0P						
SCK-32-2(R)												
SCK-32-3(R)												
SCK-32-4(R)												
SCK-40-2(R)	39.5	35.5	40.0	50.0	58.0	M41.5×1.5P						
SCK-40-3(R)												
SCK-40-4(R)												
SCK-40-6(R)												
SCK-40-12(R)												

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

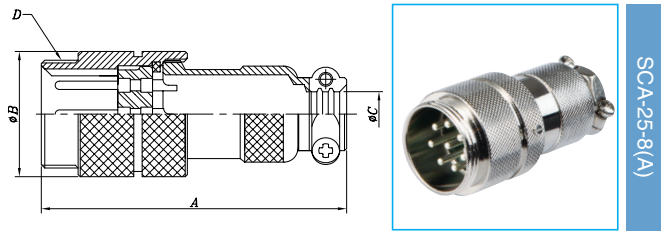
SCK Series – SCA Adapter

SCA Adapter (Socket Contact)



Part Number	A	ØB	ØC	ØD	E					
SCA-16-2(P)	35.7	18.2	12.6	6.4	M16×1.0P					
SCA-16-3(P)										
SCA-16-4(P)										
SCA-16-5(P)										
SCA-16-8(P)										
SCA-20-2(P)	42.5	21.8	15.5	8.2	M19×1.0P					
SCA-20-3(P)										
SCA-20-4(P)										
SCA-20-5(P)										
SCA-20-6(P)										
SCA-20-8(P)										
SCA-20-10(P)	50.0	28.2	21.5	11.0	M25×1.25P					
SCA-20-20(P)										
SCA-25-2(P)										
SCA-25-3(P)										
SCA-25-4(P)										
SCA-25-5(P)										
SCA-25-6(P)										
SCA-25-8(P)										
SCA-25-10(P)										
SCA-25-12(P)										
SCA-30-2(P)						53.5	33.0	25.0	13.0	M29×1.0P
SCA-30-3(P)										
SCA-30-4(P)										
SCA-30-6(P)										
SCA-30-8(P)	59.0	38.2	28.0	15.0	M34×1.0P					
SCA-32-2(P)										
SCA-32-3(P)										
SCA-32-4(P)	67.7	45.5	34.8	18.0	M41.5×1.5P					
SCA-40-2(P)										
SCA-40-3(P)										
SCA-40-4(P)										
SCA-40-6(P)										
SCA-40-12(P)										

SCA Adapter (Pin Contact)



Part Number	A	ØB	ØC	D				
SCA-16-2(A)	43.7	18.2	6.4	M16×1.0P				
SCA-16-3(A)								
SCA-16-4(A)								
SCA-16-5(A)								
SCA-16-8(A)								
SCA-20-2(A)	49.0	21.8	8.2	M19×1.0P				
SCA-20-3(A)								
SCA-20-4(A)								
SCA-20-5(A)								
SCA-20-6(A)								
SCA-20-8(A)								
SCA-20-10(A)	56.2	28.2	11.0	M25×1.25P				
SCA-20-20(A)								
SCA-25-2(A)								
SCA-25-3(A)								
SCA-25-4(A)								
SCA-25-5(A)								
SCA-25-6(A)								
SCA-25-8(A)								
SCA-25-10(A)								
SCA-25-12(A)								
SCA-30-2(A)					62.0	33.0	13.0	M29×1.0P
SCA-30-3(A)								
SCA-30-4(A)								
SCA-30-6(A)								
SCA-30-8(A)	67.5	38.2	15.0	M34×1.0P				
SCA-32-2(A)								
SCA-32-3(A)								
SCA-32-4(A)	74.5	45.5	18.0	M41.5×1.5P				
SCA-40-2(A)								
SCA-40-3(A)								
SCA-40-4(A)								
SCA-40-6(A)								
SCA-40-12(A)								

SCA Adapter (Set)



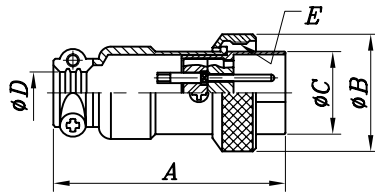
SCA Adapter sets are available.
SCA sets include both Pin and Socket adapter.
To order a set, choose **(P.A)** at the end of part number.

ex) To order SCA-25-10(P) and SCA-25-10(A),
Select SCA-25-10(P.A)

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

SCKH Plug

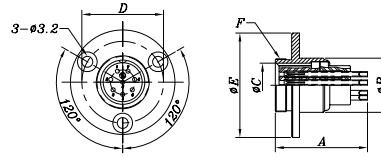
SCKH-16-8(P)



Part Number	A	ØB	ØC	ØD	E
SCKH-16-4(P)	36.0	18.2	12.7	6.4	M16×1.0P
SCKH-16-5(P)					
SCKH-16-8(P)					
SCKH-25-2(P)	50.0	28.2	21.5	11.0	M25×1.25P
SCKH-25-3(P)					
SCKH-25-4(P)					
SCKH-30-2(P)	54.0	33.0	25.0	13.0	M29×1.0P
SCKH-30-3(P)					
SCKH-30-8(P)					

SCKH Receptacle

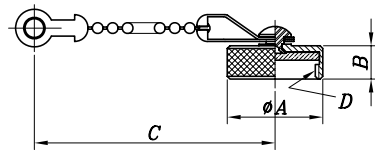
SCKH-16-8(R)



Part Number	A	ØB	ØC	ØD	ØE	F
SCKH-16-4(R)	28.2	15.9	13.0	24.0	30.7	M16×1.0P
SCKH-16-5(R)						
SCKH-16-8(R)						
SCKH-25-2(R)	31.0	25.0	21.9	34.0	42.0	M25×1.25P
SCKH-25-3(R)						
SCKH-25-4(R)						
SCKH-30-2(R)	31.0	29.0	25.7	37.0	45.5	M29×1.0P
SCKH-30-3(R)						
SCKH-30-8(R)						

SCK Receptacle Cap

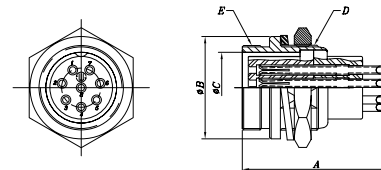
SCK-16(RC)



Part Number	ØA	B	C	D
SCK-12(RC)	14.7	4.7	130	M13×0.75P
SCK-16(RC)	18.0	6.2	130	M16×1.0P
SCK-20(RC)	21.8	7.2	170	M19×1.0P
SCK-25(RC)	28.3	7.0	170	M25×1.25P
SCK-30(RC)	32.8	7.7	170	M29×1.0P
SCK-32(RC)	37.8	8.2	170	M34×1.0P
SCK-40(RC)	45.5	9.2	170	M41.5×1.5P

SCNH Receptacle

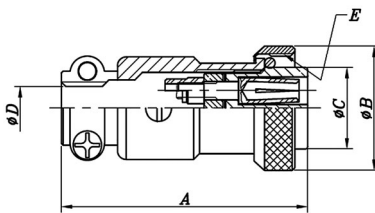
SCNH-16-8(R)



Part Number	A	ØB	ØC	D	E
SCNH-16-4(R)	20.6	18.8	13.0	M16×0.75P	M16×1.0P
SCNH-16-5(R)					
SCNH-16-8(R)					
SCNH-25-2(R)	22.0	23.0	15.9	M19×0.75P	M19×1.0P
SCNH-25-4(R)					

SCK Waterproof Plug

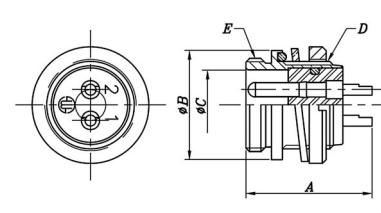
SCK-12-2(P,W)



Part Number	A	ØB	ØC	ØD	E
SCK-12-2(P,W)	28.6	14.5	9.2	5.0	M13×0.75P
SCK-12-4(P,W)					

SCN Waterproof Receptacle

SCN-12-2(R,W)



Part Number	A	ØB	ØC	D	E
SCN-12-2(R,W)	17.3	15.0	9.6	M12×0.75P	M13×0.75P
SCN-12-4(R,W)					

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