

Sam Woo Electronics Audio / Video

CONNECTORS · ANTENNAS · CABLE ASSEMBLIES



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All dimensions are in millimeters.
Specifications subject to change without notice.
Consult Sam Woo Electronics for the latest specifications.

Catalogue No. C17-09E
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About Sam Woo

Sam Woo Electronics Co., Ltd is a manufacturer of circular connectors, antennas and cable assemblies for Broadcasting Audio/Video Unit, Security/Surveillance Camera, Medical Equipment, Factory Automation and General Industrial Applications. Sam Woo Electronics Co., Ltd, established in 1981, has been growing and expanding into the international market with a conscious effort to provide quick response for standard as well as customized connections. Our network extends to US, Hong Kong, Japan, France, England and Spain. We are about maintaining good relationships with our current/ potential clients who share common growth values and business ethics through the delivery of quality products.

RoHS REACH PFOS



ISO 9001
No. KQA-Q97137



ISO 14001
No. KQA-E03095



ISO 13485
No. K-MD-1069

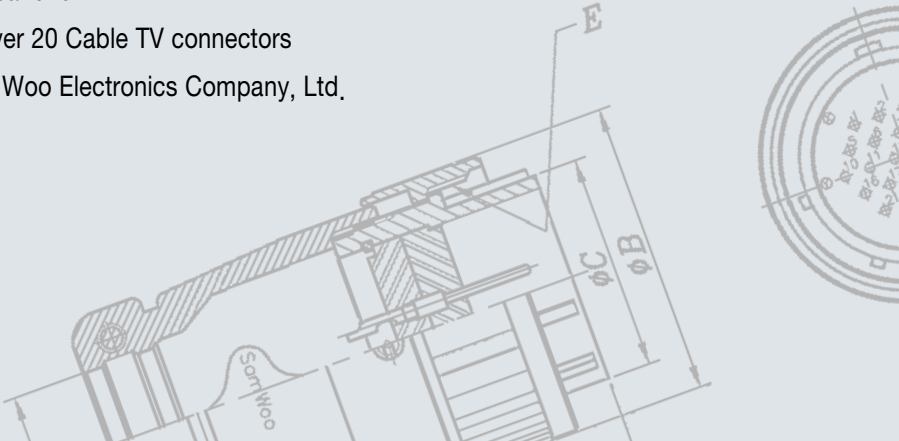


eco
No. LGEGP-0090434

Brief History

- 2018 Acquired "Hanwha Systems Special Process Certification" for Wire Harnesses
- 2018 Developed AISG Compliant EMC Connectors
- 2018 Acquired "Certificate of Product-Specific Approved Exporter"
- 2016 Completed the Sam Sung Smart Factory Business Innovation
- 2015 Completed Industrial Innovation Movement 3.0 through The Korean Chamber of Commerce
- 2014 Acquired Friendly Company for Women Certified by Job Support Center of Si-heung City
- 2014 Awarded Best Employer by the Ministry of Small and Medium Enterprise & Ventures
- 2013 Acquired Eco-Partner Certificate with Samsung Electronics Co., Ltd.
- 2012 Established Cable Assembly Department
- 2012 Acquired ISO13485 Certificate
- 2011 Selected as Gyunggi Internet Trade Frontier Business
- 2011 Renewed the INNO-BIZ from the Ministry of Small and Medium Enterprise & Ventures
- 2008 Selected as member of Gyunggi Venture Business Association(GIVA)
- 2008 Selected as INNO-BIZ from Small & Medium Business Administration
- 2008 Acquired UL Certification (E312221)

- 2006 Established partnership with E-valucon HK
- 2005 Acquired LG Eco Partner Certificate
- 2005 Initiated System for RoHS Compliancy
- 2004 Adopted ERP System
- 2003 Acquired KSA14001/ISO14001 Certificates
- 2003 Registered "R&D Center" (No. 20031233) certified by Korea Industrial Technology Association (KITA)
- 2003 Acquired UL Certificate (E234985)
- 2003 Selected as the Promising Small Business of Gyeonggi Province
- 2002 Established partnership with Trust Components, Ltd. (Japan) and E-valucon, Inc. (USA)
- 2002 Awarded "Government Support Program for Exporting Enterprises " for three consecutive years
- 2000 Issued patent for SIM card connector
- 1999 Constructed a new plant in Shihwa Industrial Complex, South Korea
- 1997 Acquired KSA9001/ISO9001 Certifications
- 1994 Acquired Utility Model Patent for over 20 Cable TV connectors
- 1981 Incorporation under the name Sam Woo Electronics Company, Ltd.



SN Series P.08



Size / No. of Contacts

Size - 8,10
Contacts - 2,3,4,5,6,9,10,12

Material / Finish

Body - Zinc alloy and Brass / Ni plate
Insulator - PA / Black
Contacts - Brass, Phosphor Bronze / Gold or silver plating

Applications

Professional A/V, CCTV, Medical, Wireless Radio, Measuring Equipment, Computers and Peripherals, Factory Automation, etc.

Features

Push-pull, Light-weight
Miniature circular, Low cost

SP Series P.34



Size / No. of Contacts

Size - 00,0,1,2,3
Contacts - multiple

Material / Finish

Body - Brass / Chromium plating
Insulator - PEEK, PA or Teflon
Contacts - Beryllium or Brass / Gold plating

Applications

Telecommunication, HDTV, Professional A/V, Optical Testing, Vision Testing, Portable Wireless Radio, Medical, etc.

Features

Ultimate performance
Aerodynamic and aesthetic

ST Series P.18



Size / No. of Contacts

Size - 8,8B,9, 9A
Contacts - 12,14,16,20

Material / Finish

Body - Brass & Zinc alloy / Ni plating
Insulator - PPS resin / Black
Contacts - Brass, Phosphor Bronze / Gold plating

Applications

Professional A/V
Measuring
Sensors
Wireless Radio
Medical, etc.

Features

Super-miniature with multi-contact
Safe insert system

SRC Series P.54



Size / No. of Contacts

Size - 21
Contacts - 10,16,26

Material / Finish

Body - Aluminum alloy / Ni or Au plating
Insulator - Thermosetting resin / Black or Blue
Contacts - Brass, Phosphor Bronze / Gold or Silver plating

Applications

Professional A/V, Vision Testing, Factory Automation, Measuring Equipment, Medical, etc.

Features

Bayonet locking system
Rugged, Light-weight, Low cost
General purpose

SW Series P.28



Size / No. of Contacts

Size - 8,10
Contacts - 2,3,4,5,6,9,10,12

Material / Finish

Body - Brass / Ni plate
Insulator - PA / Black
Contacts - Brass, Phosphor Bronze / Gold or Silver plating

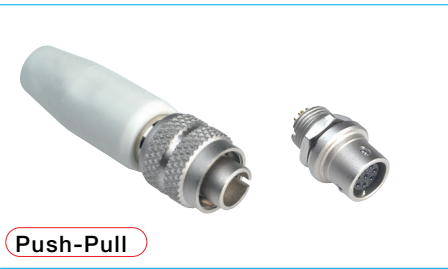
Applications

Professional Audio and Camera, CCTV, Medical, Wireless Radio, Testing & Measuring Equipment, etc.

Features

Excellent performance at low price
Screw mounting
Super-miniature with multi-contact
Precise design
IP 67 available

SXR Series P.60



Size / No. of Contacts

Size - 10
Contacts - 8

Material / Finish

Body - Aluminum alloy / Ni plating
Insulator - PBT resin / Black
Contacts - Brass, Phosphor Bronze / Gold plating

Applications

Professional Audio and Camera

Features

Miniature, Light weight,
Ground function

STE P.64



Features

Screw Locking System
Patented Design
Easy Soldering

Material / Finish

Nousing / Shell - Brass (Ni Plating)
Insulator - POM
Contacts - Brass (Ni Plating)
Strain Relief - Crimp Brass(Ni Plating)
Boot - Silicon

ANTENNA Series P.84



Impedance

50 Ω

Applications

Wireless transmitter or devices

Features

Versatile antenna customizable for wide range of bandwidth

BNCCHD 75Ω Series P.70



Impedance

75 Ω

Applications

TV broadcasting, CCTV
Telecommunications, Computer networking, CATV transmitters, Medical imaging equipment

Material / Finish

Body - Brass, Ni or Au plating
Insulator - PTEE, White
Contacts - Pin - Brass Au /
Socket - Cu-Be Au plating

Features

Top-quality performing 75 Ω BNC,
High density, Quick and reliable connection

D-Tap P.90



Features

- SW-DTAP-2P
- SW-DTAP-2J

Material / Finish

Body - PC
Insulator - PC
Contacts - Brass / Gold Plating

BNC 75 Ω P.76



Applications

TV broadcasting, CCTV,
CATV Transmitters, LAN,
Telecommunications,
Satellite receivers, medical, etc.

Features

Top quality 75 Ω
Frequency from 0 to 12GHz

Material / Finish

Body - Zinc alloy or Brass / Ni Plating
Insulator - PTFE
Contacts - Brass / Gold Plating / Beryllium
Copper / Gold Plating

Part Numbering

Part Number		Size	Number of Contacts	Suffix	Optional Suffix		Contact Type	Notes
Series	Prefix				S	B		
SN	H	8 or 10	8 size : 4,5,6 10 size : 2,3,4,9,10,12	P / PS		●	P	Plug
				PL		●	P	Right-angle plug
				R	●	●	S	Receptacle
				RPCB	●	●	S	PCB receptacle
				LRPCB	●	●	S	Right-angle PCB receptacle
				P / PS		●	S	Plug
				PL		●	S	Right-angle plug
				R	●	●	P	Receptacle
				RPCB	●	●	P	PCB receptacle
				LRPCB	●	●	P	Right-angle PCB receptacle
				P		●	P	Plug (Clamp type)
				P		●	S	Plug (Clamp type)
		●	●	S	Adapter			
		●	●	P	Adapter			
		P	●	P	Plug (Screw-on type)			
		R	●	S	Receptacle (Screw-on type)			
			●	S	Adapter (Screw-on type)			
		1						
	1H							
	A							
	HA							
	2							
	2A							

Select

Select

Select

Select

Option

Option

Ordering Part Number
(see examples)

Connector Series (Prefix)

SN - SN series
SNH - Reverse contact
SN1 - Clamp type plug
SN1H - Clamp type & reverse contact plug
SNA - Adapter for SN series
SNHA - Adapter for SNH series
SN2 - Screw-on type
SN2A - Adapter for SN2 series

Size

8,10

No. of Contacts

8 Size : 4,5,6
10 Size : 2,3,4,9,10,12

Body Type

P : Plug
PS : Short Plug Housing
R : Receptacle (solder termination)
RPCB : Receptacle (PCB termination)
LRPCB : Right-angle Receptacle (PCB)
blank : Adapter

PL : Right-angle plug

Option

S : Silver contact
B : Black plug housing

Examples

SN - 8 - 4 (P)
SN series - Size 8 - 4 contact (Plug)

SN - 8 - 6 (RPCB)
SN series - Size 8 - 6 contact (PCB Receptacle)

SN - 8 - 6 (P) - SB
SN series - Size 8 - 6 contact (Plug) - Silver contact & Black plug housing

SN1 - 10 - 12 (R) - S
SN1 series - Size 10 - 12 contact (Receptacle) - Silver contact

SN2A - 10 - 2 - S
SN2A series - Size 10 - 2 contact - Silver contact

SN - 8 - 4 (LRPCB)K - S
SN series - Size 8 - 4 contact (Right-angle PCB receptacle, Any type) - Silver contact

Major Performances / Contact Arrangements

Size / No. of Contacts	Size 8					
	4	5	6			
Performance						
Withstanding Voltage (per min) ¹	AC 300V	AC 300V	AC 300V			
Current	2A	2A	2A			
Insulation Resistance (Minimum) ²	1,000M Ω	1,000M Ω	1,000M Ω			
Contact Resistance (Maximum) ³	10m Ω	10m Ω	10m Ω			
Solder Pot Inside Diameter	ø 0.7	ø 0.7	ø 0.7			
Contact Arrangement						

Size / No. of Contacts	Size 10					
	2	3	4	9	10	12
Performance						
Withstanding Voltage (per min) ¹	AC 500V	AC 500V	AC 500V	AC 300V	AC 300V	AC 300V
Current	3A	3A	3A	2A	2A	2A
Insulation Resistance (Minimum) ²	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω
Contact Resistance (Maximum) ³	10m Ω	10m Ω	10m Ω	10m Ω	10m Ω	10m Ω
Solder Pot Inside Diameter	ø 1.0	ø 1.0	ø 1.0	ø 0.7	ø 0.7	ø 0.7
Contact Arrangement						

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.

•

Values are from tested items and may not apply to all connectors.

•

Specifications subject to change without notice.

•

Consult Sam Woo Electronics for the latest specifications.

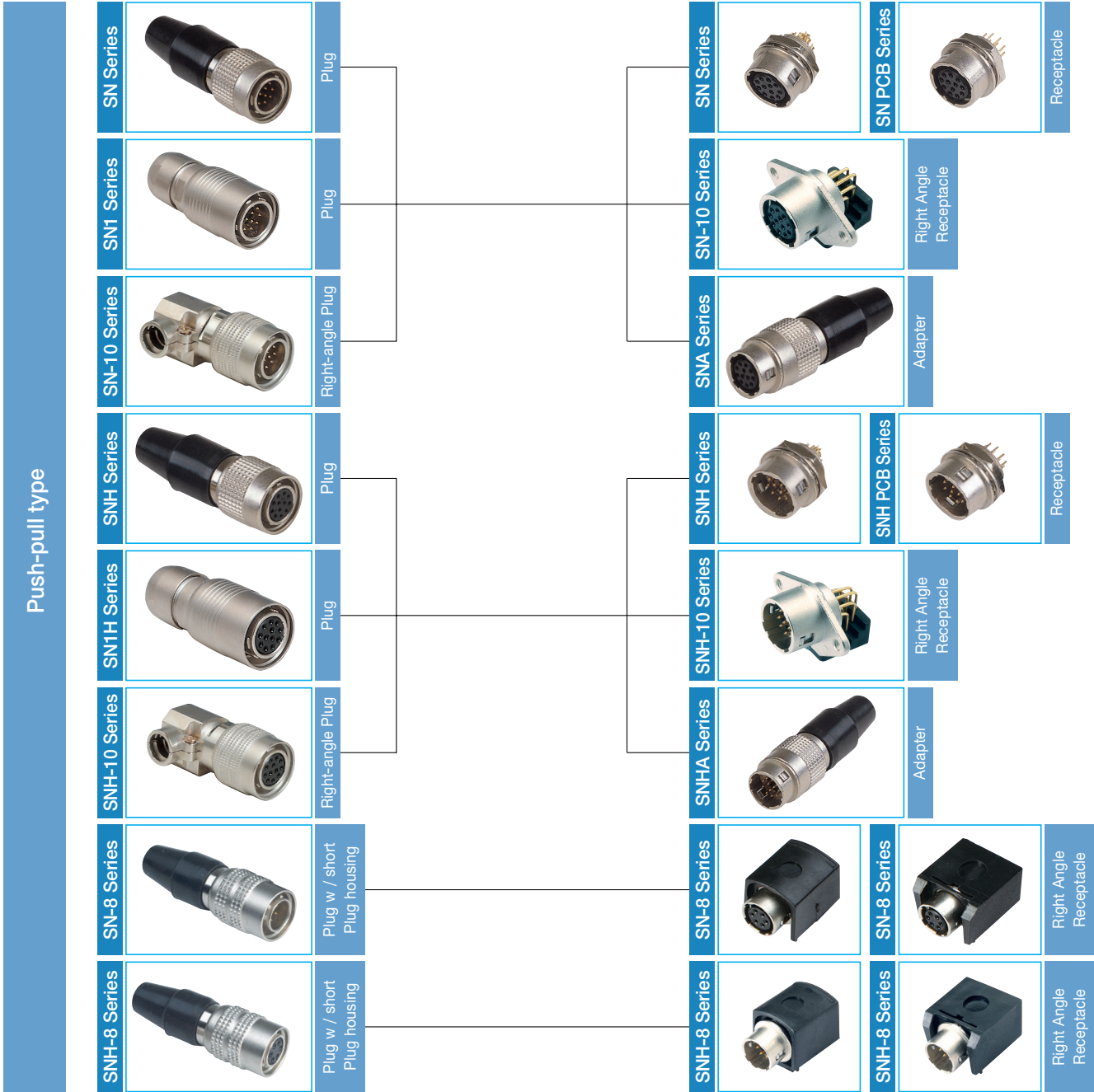
4

Connector contact arrangement is from mating surface.

Contact Diameter

• 0.55mm • 1.0mm

Material Used / Finish			
		Material	Finish
Body		Zinc alloy and brass	Ni plating
Insulator		PA	Black
Contacts	Pin	Brass	Gold or Silver plating
	Socket	Phosphor bronze	Gold or Silver plating



SN Plug

SN-10-12(P)

Part Number	A	Ø B	Ø C	Ø D
SN-8-4(P)	35	11.5	7	5
SN-8-5(P)				
SN-8-6(P)				
SN-10-2(P)	43	14.9	9.4	7
SN-10-3(P)				
SN-10-4(P)				
SN-10-9(P)				
SN-10-10(P)				
SN-10-12(P)				

SN1 Plug

SN1-10-12(P)

Part Number	A	Ø B	Ø C	Ø D
SN1-8-4(P)	28	11.0	9.0	5.2
SN1-8-5(P)				
SN1-8-6(P)				
SN1-10-2(P)	32	14.0	12.0	7.2
SN1-10-3(P)				
SN1-10-4(P)				
SN1-10-9(P)				
SN1-10-10(P)				
SN1-10-12(P)				

SN Right-Angle Plug

SN-10-12(PL)

Part Number	A	Ø B	Ø C	D	Ø E	Ø F
SN-8-4(PL)	25.9	7.0	11.5	15	5.0	6.6
SN-8-5(PL)						
SN-8-6(PL)						
SN-10-9(PL)	29.0	9.4	14.7	18.2	6.3	8.3
SN-10-10(PL)						
SN-10-12(PL)						

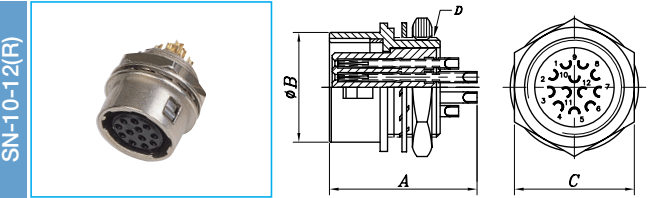
SN Plug (Short plug housing)

SN-8-6(PS)

Part Number	A	Ø B	Ø C	Ø D	E
SN-8-4(PS)	35.0	11.5	7.0	5.1	0.6
SN-8-6(PS)					

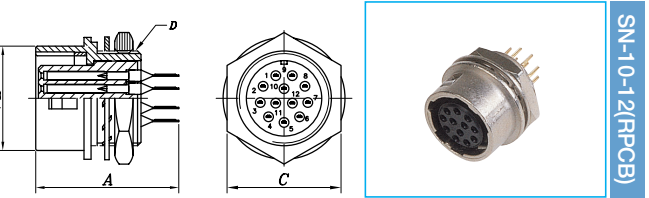
! SN Plug (Short plug housing) only mates with SN-8-4(LRPCB)K, SN-8-6(LRPCB)K, SN-8-4(LRPCB)K1, SN-8-6(LRPCB)K1.

SN Receptacle



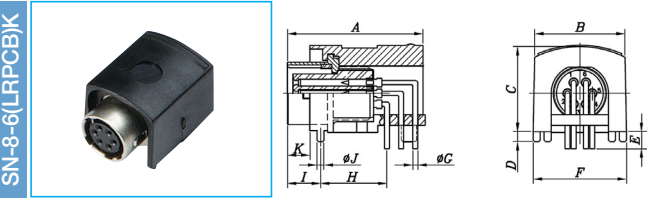
Part Number	A	ø B	C	D
SN-8-4 (R)	14,5	8,8	10,0	M8×0,5P
SN-8-5 (R)				
SN-8-6 (R)				
SN-10-2 (R)	15	11,9	13,0	M11×0,75P
SN-10-3 (R)				
SN-10-4 (R)				
SN-10-9 (R)	16,5			
SN-10-10 (R)				
SN-10-12 (R)				

SN PCB Receptacle



Part Number	A	ø B	C	D
SN-8-4 (RPCB)	15,7	8,8	10	M8×0,5P
SN-8-5 (RPCB)				
SN-8-6 (RPCB)				
SN-10-2 (RPCB)	16,2	11,9	13	M11×0,75P
SN-10-3 (RPCB)				
SN-10-4 (RPCB)				
SN-10-9 (RPCB)				
SN-10-10 (RPCB)				
SN-10-12 (RPCB)				

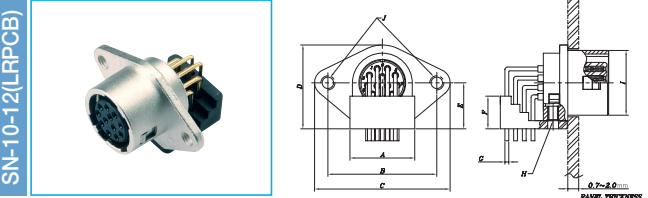
SN Right Angle PCB Receptacle (Any Type)



Part Number	A	B	C	D	E	F	ø G	H	I	ø J	K
SN-8-4 (LRPCB)K	19,2	12,8	12,0	1,3	2,4	13,2	0,7	9,4	4,7	1,0	3,2
SN-8-6 (LRPCB)K											

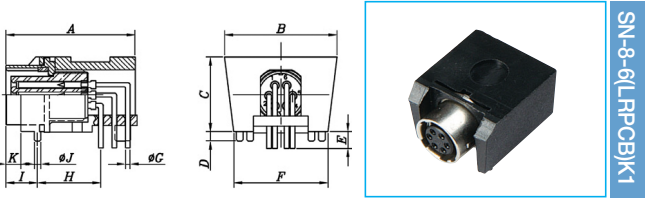
! SN-8-4(LRPCB)K, SN-8-6(LRPCB)K only mates with SN-8-4(PS), SN-8-6(PS) plugs.

SN Right Angle PCB Receptacle



Part Number	A	B	C	D	E	F	ø G	H	ø I	J
SN-10-12(LRPCB)	11,9	20	24,9	15,4	8,5	6	0,7	M2,0 ×0,4P	11,9	M2,6 ×0,45P

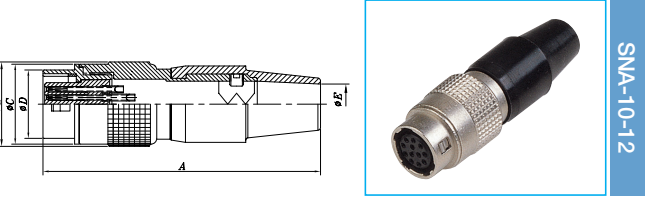
SN Right Angle PCB Receptacle (Magic Type)



Part Number	A	B	C	D	E	F	ø G	H	I	ø J	K
SN-8-4(LRPCB)K1	19,2	16,7	11,0	1,3	2,4	14,0	0,7	9,4	4,7	1,0	2,2
SN-8-6(LRPCB)K1											

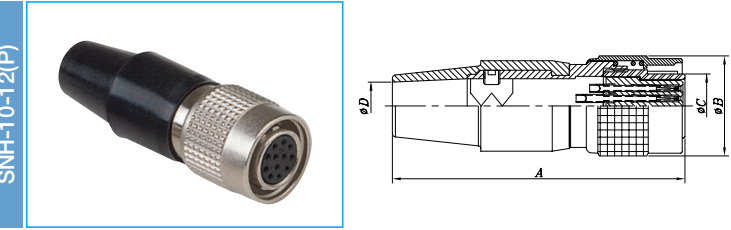
! SN-8-4(LRPCB)K1, SN-8-6(LRPCB)K1 only mates with SN-8-4(PS), SN-8-6(PS) plugs.

SNA Adapter



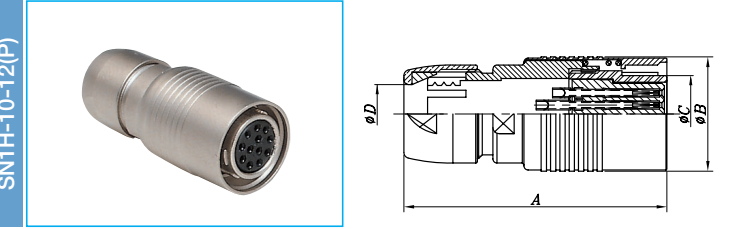
Part Number	A	ø B	ø C	ø D	ø E
SNHA-8-4	40,2	11,5	10,9	8,8	5,1
SNHA-8-5					
SNHA-8-6					
SNHA-10-2					
SNHA-10-3	48,0	14,9	13,9	11,9	7,0
SNHA-10-4					
SNHA-10-9					
SNHA-10-10					
SNHA-10-12					

SNH Plug



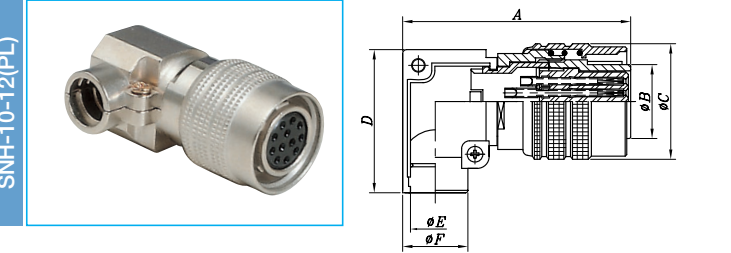
Part Number	A	ø B	ø C	ø D
SNH-8-4(P)	35	11,5	7	5
SNH-8-5(P)				
SNH-8-6(P)				
SNH-10-2(P)	43	14,9	9,4	7
SNH-10-3(P)				
SNH-10-4(P)				
SNH-10-9(P)				
SNH-10-10(P)				
SNH-10-12(P)				

SN1H Plug



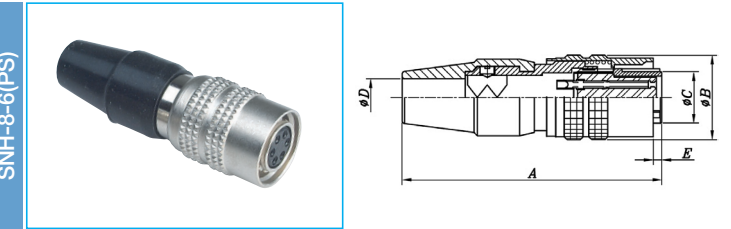
Part Number	A	ø B	ø C	ø D
SN1H-8-4(P)	28	11,0	9,0	5,2
SN1H-8-5(P)				
SN1H-8-6(P)				
SN1H-10-2(P)	32	14,0	12,0	7,2
SN1H-10-3(P)				
SN1H-10-4(P)				
SN1H-10-9(P)				
SN1H-10-10(P)				
SN1H-10-12(P)				

SNH Right Angle Plug



Part Number	A	ø B	ø C	D	ø E	ø F
SNH-8-4(PL)	25,9	7,0	11,5	15	5,0	6,6
SNH-8-5(PL)						
SNH-8-6(PL)						
SNH-10-9(PL)	29,0	9,4	14,7	18,2	6,3	8,3
SNH-10-10(PL)						
SNH-10-12(PL)						

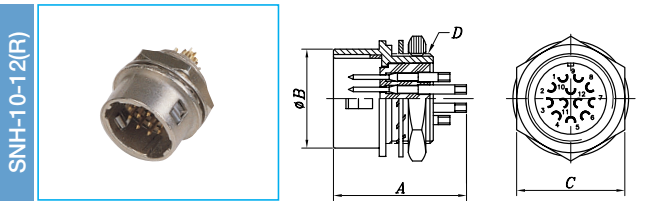
SNH Plug (Short plug housing)



Part Number	A	ø B	ø C	ø D	E
SNH-8-4(PS)	35,0	11,5	7,0	5,1	0,6
SNH-8-6(PS)					

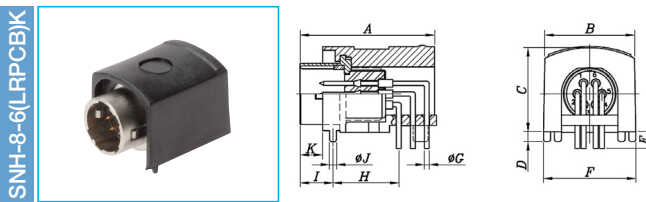
! SN Plug (Short plug housing) only mates with SN-8-4(LRPCB)K, SN-8-6(LRPCB)K, SN-8-4(LRPCB)K1, SN-8-6(LRPCB)K1.

SNH Receptacle



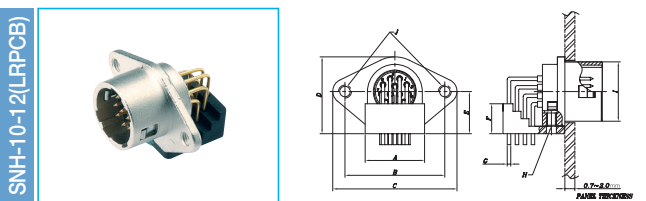
Part Number	A	ø B	C	D	Part Number	A	ø B	C	D
SNH-8-4 (R)	14,2	8,8	10,0	M8×0,5P	SNH-10-2(R)	16,2	11,9	13,0	M11×0,75P
SNH-8-5 (R)					SNH-10-3(R)				
SNH-8-6 (R)					SNH-10-4(R)				
					SNH-10-9(R)				
	SNH-10-10(R)								
	SNH-10-12(R)								

SNH Right Angle PCB Receptacle (Any Type)

[illegible]

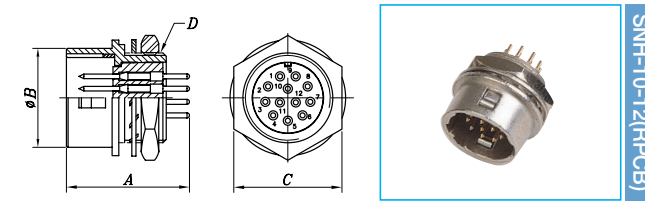
! SN-8-4(LRPCB)K, SN-8-6(LRPCB)K only mates with SN-8-4(PS), SN-8-6(PS) plugs.

SNH Right Angle PCB Receptacle



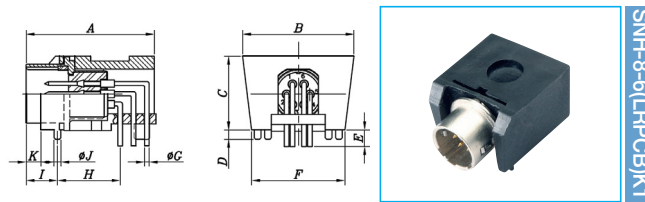
Part Number	A	B	C	D	E	F	Ø G	H	Ø I	J
SNH-10-12(LRPCB)	11.9	20	24.9	15.4	8.5	6	0.7	M2.0 × 0.4P	11.9	M2.6 × 0.45P

SNH PCB Receptacle



Part Number	A	Ø B	C	D	Part Number	A	Ø B	C	D
SNH-8-4(RPCB)	15	8.8	10	M8×0.5P	SNH-10-2(RPCB)	15	11.9	13	M11×0.75P
SNH-8-5(RPCB)					SNH-10-3(RPCB)				
SNH-8-6(RPCB)					SNH-10-4(RPCB)				
					SNH-10-9(RPCB)				
					SNH-10-10(RPCB)				
					SNH-10-12(RPCB)				

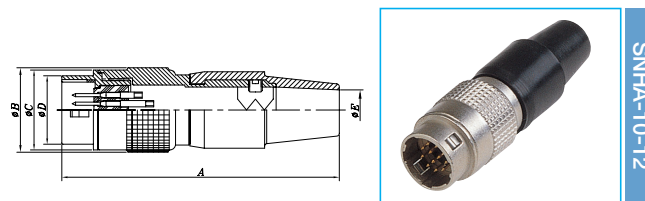
SNH Right Angle PCB Receptacle (Magic Type)



Part Number	A	B	C	D	E	F	Ø G	H	I	Ø J	K
SNH-8-4(LRPCB)K1	19,2	16,7	11,0	1,3	2,4	14,0	0,7	9,4	4,7	1,0	2,2
SNH-8-6(LRPCB)K1											

! SN-8-4(LRPCB)K1, SN-8-6(LRPCB)K1 only mates with SN-8-4(PS), SN-8-6(PS) plugs.

SNHA Adapter



Part Number	A	ø B	ø C	ø D	ø E	Part Number	A	ø B	ø C	ø D	ø E
SNHA-8-4	40,2	11,5	10,9	8,8	5,1	SNHA-10-2	48,0	14,9	13,9	11,9	7,0
SNHA-8-5						SNHA-10-3					
SNHA-8-6						SNHA-10-4					
						SNHA-10-9					
	SNHA-10-10										
	SNHA-10-12										

■ General Instruction / Information

- Diagram 1 shows a sample wiring for SN series.
- Soldering must be done quickly and carefully to prevent damage to insulator.
- Receptacles do not require additional instructions.

■ Wiring Sequence

- ① Select cable according to outer diameter and cross section, lower than 0.129mm²(AWG#26).
- ② Insert RUBBER BUSHING to cable.
- ③ Insert PLUG HOUSING to cable.
- ④ Strip cable per dimension given and loosen braid.
- ⑤ Secure PLUG BODY to jig for soldering.
- ⑥ Solder stripped cable to pin.
- ⑦ Fasten CRIMP using hand crimp tool (SA-HCT^①)
- ⑧ Lock PLUG HOUSING and PLUG BODY using tightening force displayed on Table 1.
- ⑨ Tighten WRENCH BOLT using 0.3N force onto one of two embossed parts of crimp.
- ⑩ Cover RUBBER BUSHING onto PLUG HOUSING.

^① See below for information on SA-HCT.

Diagram 1

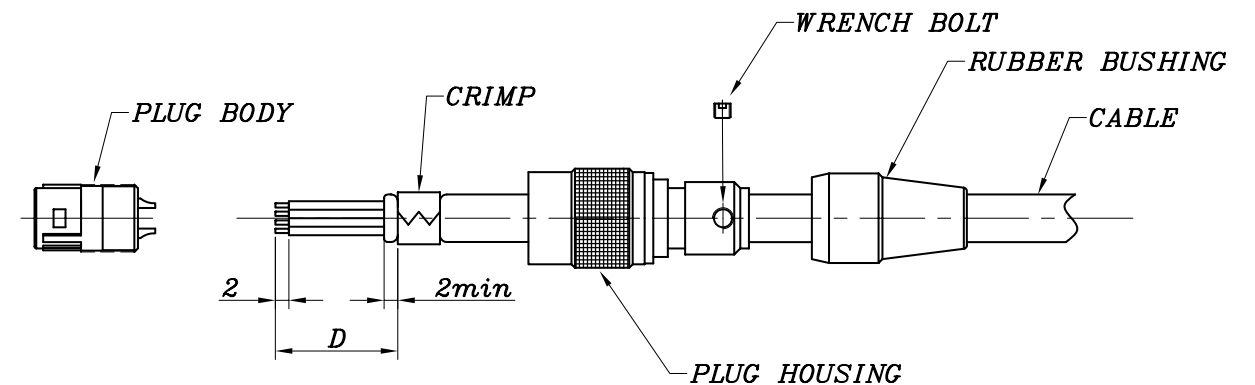
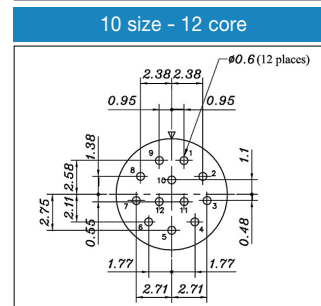
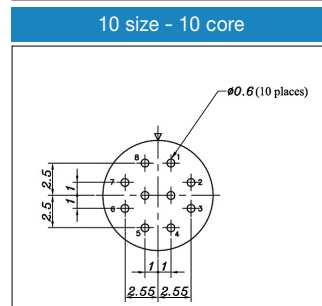
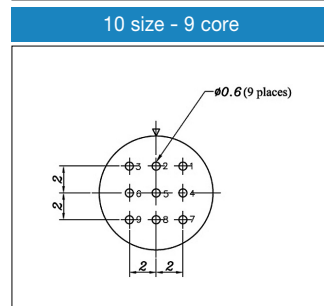
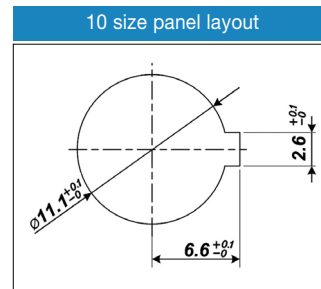
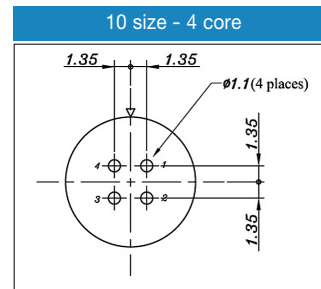
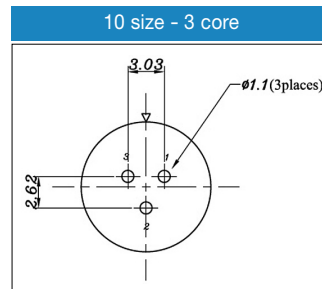
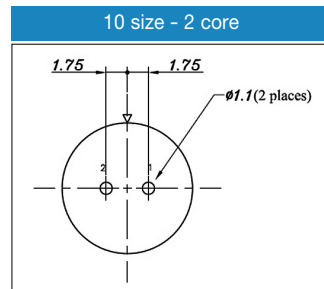
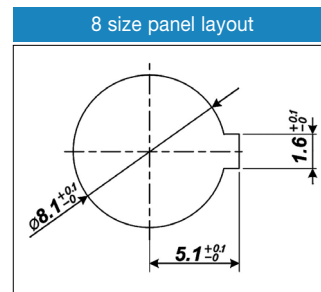
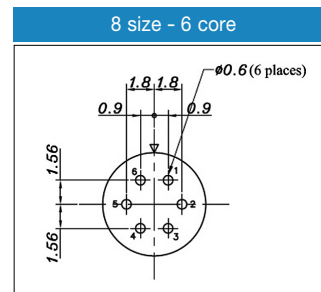
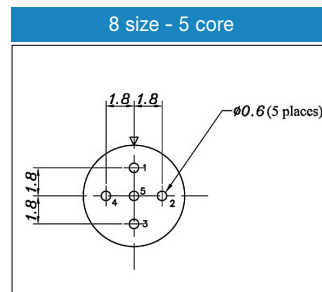
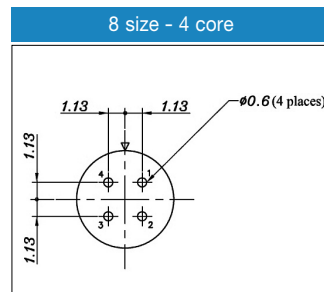


Table 1

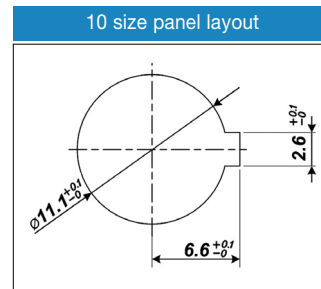
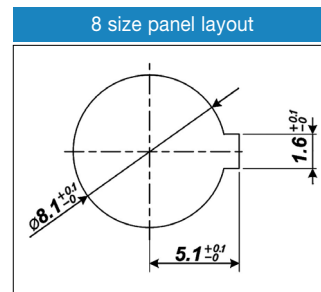
unit : mm

Size	Spanner Jaw	D (Dimension)	Tightening Force	Notes
SN - 8	8	10	1,5N · m (15kgf · cm)	SA-HCT size $\varnothing$ 5,5
SN - 10	10	16	2,0N · m (20kgf · cm)	SA-HCT size $\varnothing$ 7,0

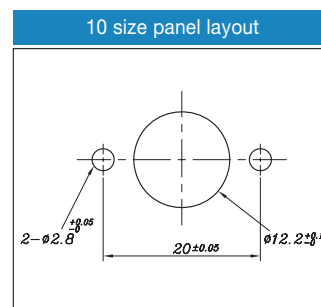
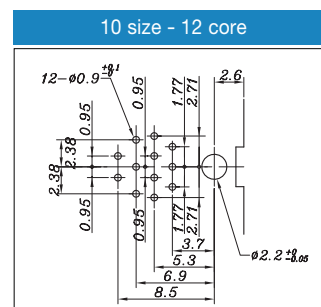
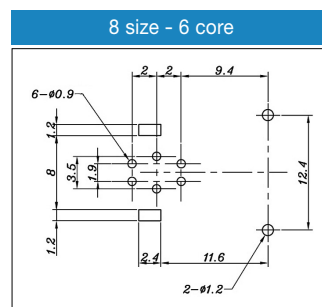
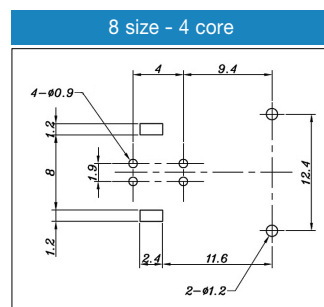
SN Receptacle PCB Hole Layout



SN Receptacle Panel Layout



SN Receptacle Right Angle PCB Hole Layout



Part Numbering

Product Number		Size	Number of Contacts	Suffix	Mount Type	Notes
Series	Prefix					
ST	H	8 or 8B	14	P	Screw-on	Main ST series Plug
				R/RPCB		ST Receptacle
				RGPCB		ST Receptacle (PCB termination with ground male)
				P		STH Series Plug
				R/RPCB		STH Receptacle
				RGPCB		ST Receptacle (PCB termination with ground male)
	H	9	12,16,20	P	Screw-on	Main ST series Plug
				PLM1		Molding Type ST Plug
				R/RPCB		ST Receptacle
				P		STH Series Plug
				PLM1		Molding Type STH Plug
				R/RPCB		STH Receptacle
	A	9A	12,16,20		Push-pull	STA Series (Adapter for ST series)
						STHA Series (Adapter for STH series)
				P		Main ST series Plug
				R/RPCB		ST Receptacle
A					STA Series (Adapter for ST series)	

Select

ST

-

9

-

()

Ordering Part Number

(see examples)

Connector Series

ST series

STH - reverse contact

STA - adapter for ST series

STHA - adapter for STH series

Size

8,8B,9 - Screw-on Type

9A - Push-pull Type

No. of Contacts

12,14,16,20

Shell Type

P : Plug

R : Receptacle (solder termination)

RPCB : Receptacle (PCB termination)

RGPCB : Receptacle (PCB termination with grounding male)

blank : Adapter

Examples

ST - 9 - 12 (P)

ST series - Size 9 Plug - 12 Male Contact

ST - 9 - 16 (R)

ST series - Size 9 Receptacle - 16 Solder Type Female Contact

ST - 9 - 16 (RPCB)

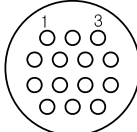
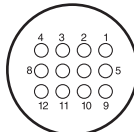
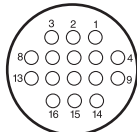
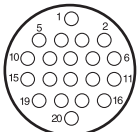
ST series - Size 9 Receptacle - 16 PCB Type Female Contact

STA - 9 - 20

Adapter for ST series - Size 9 Adapter - 20 Female Contact

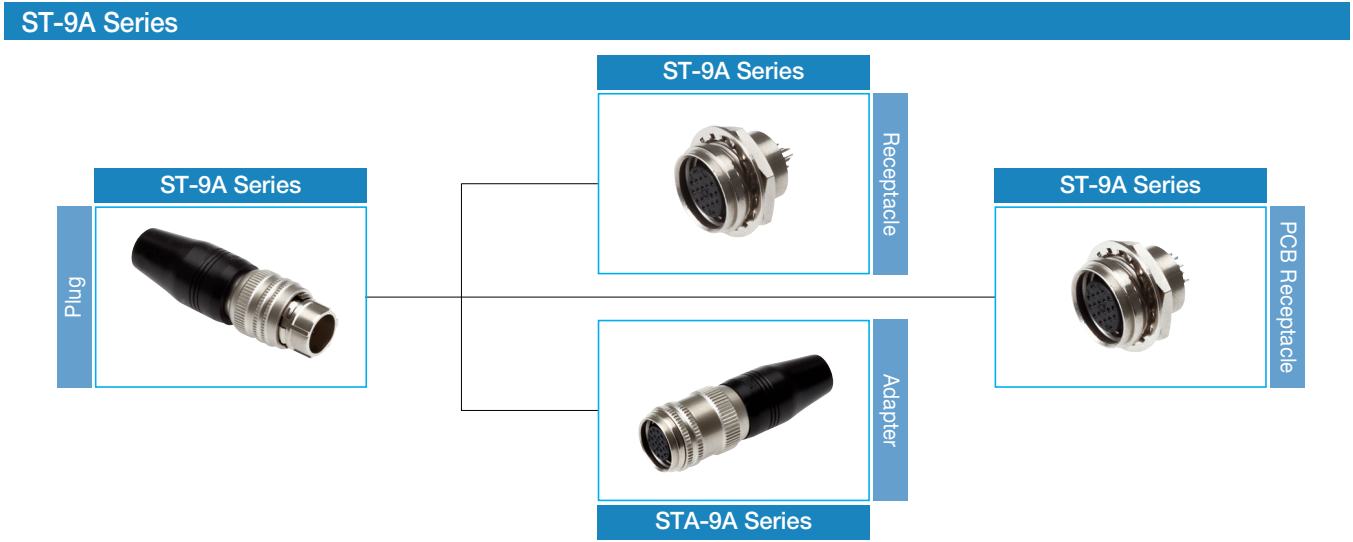
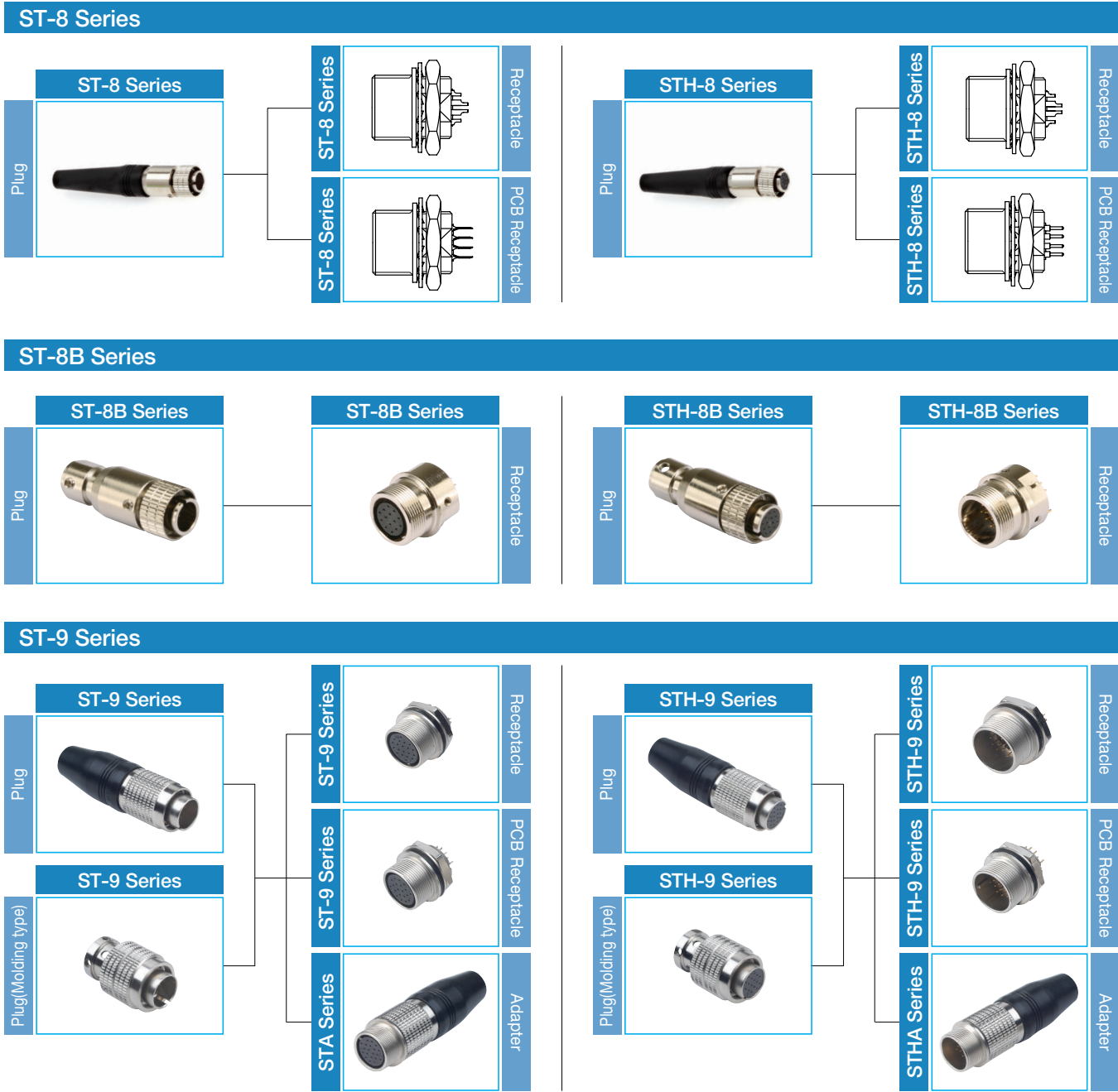
STHA - 9 - 20

Adapter for STH series - Size 9 Adapter - 20 Male Contact

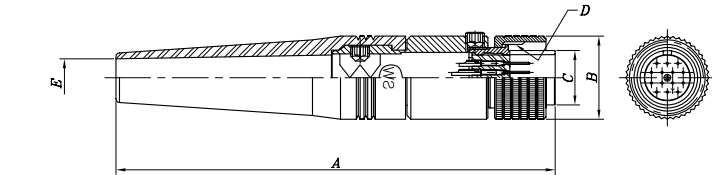
Major Performances / Contact Arrangements			
Performance	Size / No. of Contacts		Size 8
			14
Withstanding Voltage (per min)	AC 300V		
Current	1A		
Insulation Resistance (Minimum)	1,000M Ω		
Contact Resistance (Maximum)	30m Ω		
Solder Pot Inside Diameter	ø 0.5		
Contact Arrangement	 Plug		
Performance	Size / No. of Contacts		
	Size 9		
Withstanding Voltage (per min) ¹	12	16	20
Current	AC 300V	AC 300V	AC 300V
Insulation Resistance (Minimum) ²	1A	1A	1A
Contact Resistance (Maximum) ³	1,000M Ω	1,000M Ω	1,000M Ω
Solder Pot Inside Diameter	30m Ω	30m Ω	30m Ω
Contact Arrangement	ø 0.5	ø 0.5	ø 0.5
	 Receptacle	 Receptacle	 Receptacle

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.
• Values are from tested items and may not apply to all connectors.
• Specifications subject to change without notice.
• Consult Sam Woo Electronics for the latest specifications.
⁴ Connector contact arrangement is from solder pot.

Material Used / Finish		
		Material
Body		Brass & Zinc alloy
Insulator		PPS resin
Contacts	Pin	Phosphor bronze and Beryllium
	Socket	Phosphor bronze
		Finish
Body		Ni Plating
Insulator		Black
Contacts	Pin	Gold Plating
	Socket	Gold Plating

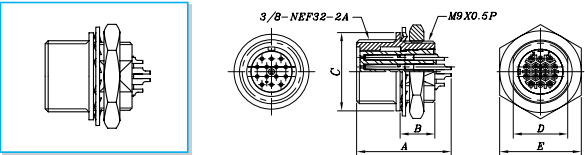


ST-8 Plug



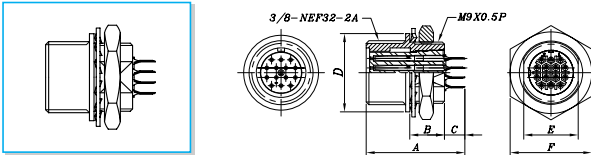
Part Number	A	B	C	D	E
ST-8-14(P)	58	11	7,2	3/8-32NEF-2B	5

ST-8 solder Type Receptacle



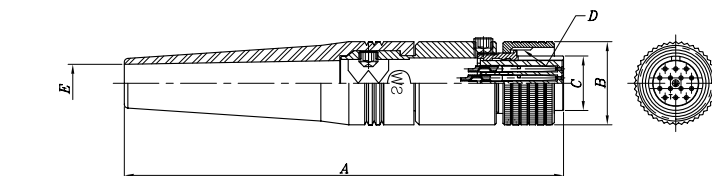
Part Number	A	B	C	D	E
ST-8-14(R)	13,9	5,1	11,5	8	12

ST-8 PCB Type Receptacle



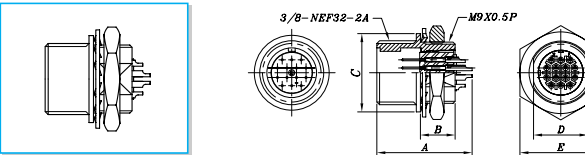
Part Number	A	B	C	D	E	F
ST-8-14(RPCB)	14,5	5,1	3	11,5	8	12

STH-8 Plug



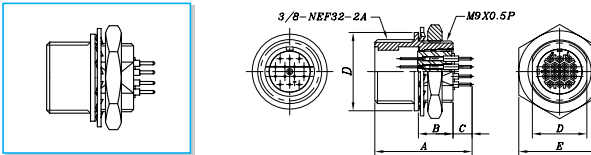
Part Number	A	B	C	D	E
STH-8-14(P)	58	11	7,2	3/8-32NEF-2B	5

STH-8 solder Type Receptacle



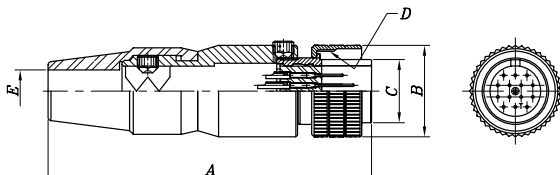
Part Number	A	B	C	D	E
STH-8-14(R)	14	5,1	11,5	8	12

STH-8 PCB Type Receptacle



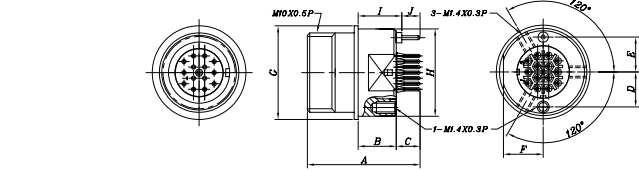
Part Number	A	B	C	D	E	F
STH-8-14(RPCB)	14,3	5,1	2,8	11,5	8	12

ST-8B Plug



Part Number	A	B	C	D	E
ST-8B-14(P)	38,9	11	7,6	M10×0,5P	5,1

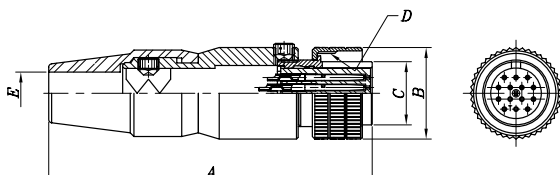
ST-8B Receptacle



Part Number	A	B	C	D	E	F	G	H	I	J
ST-8B-14(RGPCB)	14,2	4,8	3	4,4	4,4	5	11,8	10,95	5,5	2,3

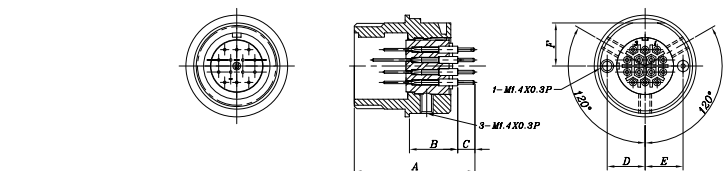


STH-8B Plug



Part Number	A	B	C	D	E
STH-8B-14(P)	38,9	11	7,6	M10×0,5P	5,1

STH-8B Receptacle



Part Number	A	B	C	D	E	F	G	H	I	J
STH-8B-14(RGPCB)	14,2	4,8	3	4,4	4,4	5	11,8	10,95	5,5	2,3





ST-9 Plug

Part Number	A	φ B	φ C	D
ST-9-12(P)	43,0	12,5	7,0	M10,5×0,5P
ST-9-16(P)				
ST-9-20(P)				



ST-9 Molding Type Plug

Part Number	A	B	C	φ D	φ E	φ F	φ G	H
ST-9-12(PLM1)	22	9	12	14	8,6	11	8,5	M10,5×0,5P
ST-9-16(PLM1)								
ST-9-20(PLM1)								

ST-9 Solder Type Receptacle

Part Number	A	φ B	C	D	E
ST-9-12(R)	13,6	12,6	12,0	M10,5×0,5P	M10×0,75P
ST-9-16(R)					
ST-9-20(R)					

ST-9 PCB Type Receptacle

Part Number	A	φ B	C	D	E
ST-9-12(RPCB)	14,1	12,6	12,0	M10,5×0,5P	M10×0,75P
ST-9-16(RPCB)					
ST-9-20(RPCB)					



STA-9 Adapter

Part Number	A	φ B	φ C	D
STA-9-12	42,6	12,6	7,0	M10,5×0,5P
STA-9-16				
STA-9-20				

STH-9 Plug

Part Number	A	φ B	φ C	D
STH-9-12(P)	43,0	12,5	7,0	M10,5×0,5P
STH-9-16(P)				
STH-9-20(P)				



STH-9 Molding Type Plug

Part Number	A	B	C	φ D	φ E	φ F	φ G	H
STH-9-12(PLM1)	22	9	12	14	8,6	11	8,5	M10,5×0,5P
STH-9-16(PLM1)								
STH-9-20(PLM1)								



STH-9 Solder Type Receptacle

Part Number	A	φ B	C	D	E
STH-9-12(R)	13,6	12,6	12,0	M10,5×0,5P	M10×0,75P
STH-9-16(R)					
STH-9-20(R)					

STH-9 PCB Type Receptacle

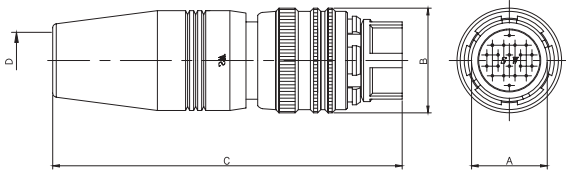
Part Number	A	φ B	C	D	E
STH-9-12(RPCB)	14,1	12,6	12,0	M10,5×0,5P	M10×0,75P
STH-9-16(RPCB)					
STH-9-20(RPCB)					

STHA-9 Adapter

Part Number	A	φ B	φ C	D
STHA-9-12	42,6	12,6	7,0	M10,5×0,5P
STHA-9-16				
STHA-9-20				

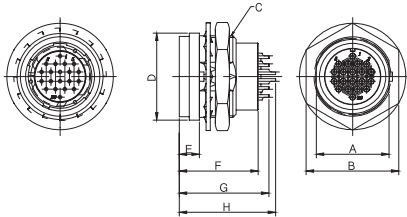


ST-9A Plug



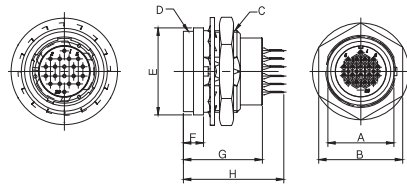
Product Number	φ A	φ B	C	φ D
ST-9A-12(P)	9.4	13	(43.4)	7
ST-9A-16(P)				
ST-9A-20(P)				

ST-9A Receptacle



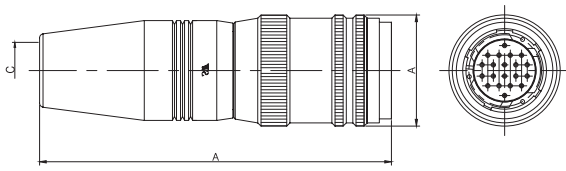
Product Number	A	B	C	φ D	E	F	G	H
ST-9A-12(R)	11	14	M12×0.75P	13	3	11.8	13.4	14.4
ST-9A-16(R)								
ST-9A-20(R)								

ST-9A PCB Receptacle



Product Number	A	B	C	D	φ E	F	G	H
ST-9A-12(RPCB)	11	14	M10×0.75P	M10×0.75P	13	3	11.8	15
ST-9A-16(RPCB)								
ST-9A-20(RPCB)								

STA-9A Adapter



Product Number	φ A	B	φ C
STA-9A-12(P)	13.8	(43.7)	7
STA-9A-16(P)			
STA-9A-20(P)			

General Instruction / Information

- Diagram 1 shows a sample wiring for ST series.
- Soldering must be done quickly and carefully to prevent damage to insulator.
- Receptacles do not require additional instructions.

Wiring Sequence

- ① Select cable according to outer diameter and cross section, lower than 0.08mm²(AWG#28).
- ② Insert RUBBER BUSHING to cable.
- ③ Insert PLUG HOUSING to cable.
- ④ Strip cable per dimension given and loosen braid.
- ⑤ Secure PLUG BODY to jig for soldering.
- ⑥ Solder stripped cable to pin.
- ⑦ Fasten CRIMP using hand crimp tool (SA-HCT^①).
- ⑧ Lock PLUG HOUSING and PLUG BODY using tightening force displayed on Table 1.
- ⑨ Tighten WRENCH BOLT using 0.3N force onto one of two embossed parts of crimp.
- ⑩ Cover RUBBER BUSHING onto PLUG HOUSING.

① See below for information on SA-HCT.

Diagram 1

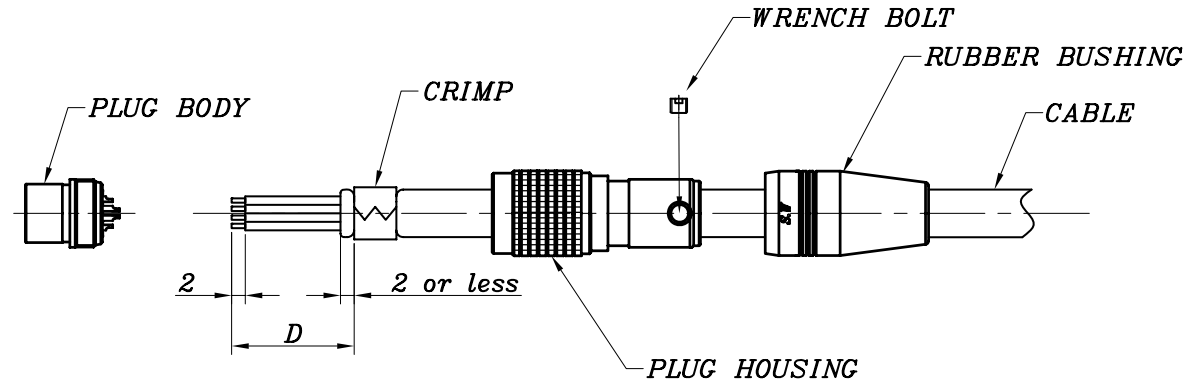


Table 1

unit : mm

Size	Spanner Jaw	D (Dimension)	Tightening Force	Notes
ST	10	15	1.0N · m (10kgf · cm)	SA-HCT size φ 7.0

Part Numbering

Part Number		Size	Number of Contacts	Suffix	Optional Suffix	Notes
Series	Prefix				S	
SW		8 or 10	8 size : 4,5,6 10 size : 2,3,4,9,10,12	P	●	Main SW Series
				R / RPCB	●	
	H			P	●	SWH Series
				R / RPCB	●	(SW with reverse contacts)
	A				●	SWA Series
						(Adapter for SW series)
	HA				●	SWHA Series

Select

Select

Select

Select

Option

Ordering Part Number
(see examples)

Connector Series

SW
SWH - reverse contact
SWA - adapter for SW series
SWHA - adapter for SWH series

Size
8,10

No. of Contacts
8 Size : 4,5,6
10 Size : 2,3,4,9,10,12

Body Type
P : Plug
R : Receptacle (solder termination)
RPCB : Receptacle (PCB termination)
blank : Adapter

Optional
S : Silver contact
IP67 Version Available

Examples

SW - 8 - 4 (P)
SW series - Size 8 - 4 contact (Plug shell)

SW - 10 - 12 (R) - S
SW series - Size 10 - 12 contact (Receptacle / Solder contact termination) - Silver contact

SWA - 10 - 2
Adapter for SW series - Size 10 - 2 contact

SWHA - 8 - 6 - S
Adapter for SWH series - Size 8 - 6 contacts - Silver contact

Major Performances / Contact Arrangements

Size / No. of Contacts	Size 8					
	4	5	6			
Performance						
Withstanding Voltage (per min) ¹	AC 300V	AC 300V	AC 300V			
Current	2A	2A	2A			
Insulation Resistance (Minimum) ²	1,000M Ω	1,000M Ω	1,000M Ω			
Contact Resistance (Maximum) ³	10m Ω	10m Ω	10m Ω			
Solder Pot Inside Diameter	ø 0.7	ø 0.7	ø 0.7			
Contact Arrangement						

Size / No. of Contacts	Size 10					
	2	3	4	9	10	12
Performance						
Withstanding Voltage (per min) ¹	AC 500V	AC 500V	AC 500V	AC 300V	AC 300V	AC 300V
Current	3A	3A	3A	2A	2A	2A
Insulation Resistance (Minimum) ²	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω	1,000M Ω
Contact Resistance (Maximum) ³	10m Ω	10m Ω	10m Ω	10m Ω	10m Ω	10m Ω
Solder Pot Inside Diameter	ø 1.0	ø 1.0	ø 1.0	ø 0.7	ø 0.7	ø 0.7
Contact Arrangement						

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.

•

Values are from tested items and may not apply to all connectors.

•

Specifications subject to change without notice.

•

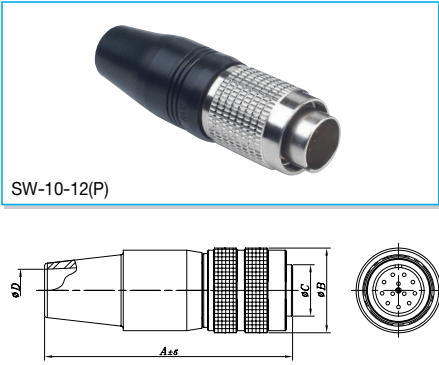
Consult Sam Woo Electronics for the latest specifications.

4

Connector contact arrangement is from mating surface.

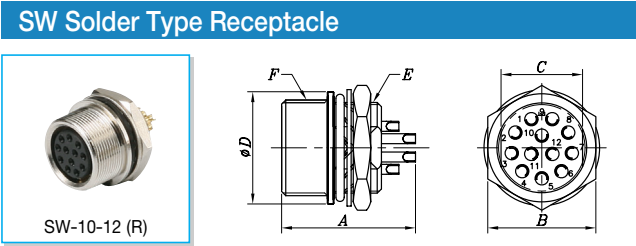
Contact Diameter
ø 0.55mm • 1.0mm

Material Used / Finish			
	Material	Finish	
Body	Brass	Ni plating	
Insulator	PA	Black	
Contacts	Pin	Brass	Gold plating
	Socket	Phosphor bronze	Gold plating

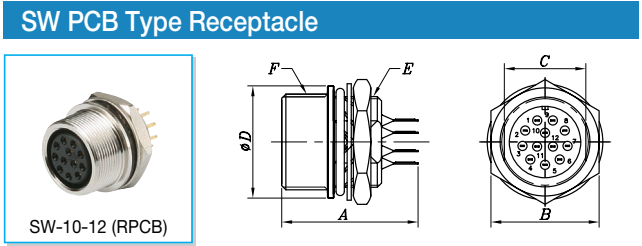


SW Plug									
Part Number	A	ø B	ø C	ø D	Part Number	A	ø B	ø C	ø D
SW-8-4(P)	35	11	6,7	5,1	SW-10-2(P)	42	14	8,7	7
SW-8-5(P)					SW-10-3(P)				
SW-8-6(P)					SW-10-4(P)				
					SW-10-9(P)				
					SW-10-10(P)				
					SW-10-12(P)				

Silver contact
Include '-S' at end of part number. EX SW-8-4 (P)-S, SW-10-12 (P)-S

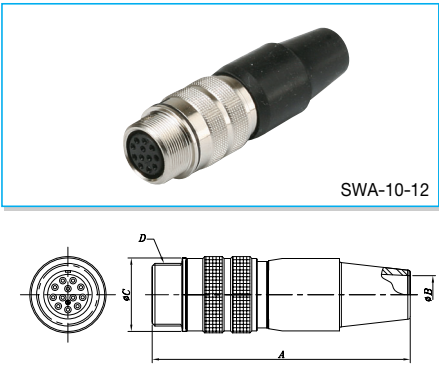


Part Number	A	B	C	ø D	E	F
SW-8-4(R)	14,5	10	7,5	10	M8×0,5P	M9×0,5P
SW-8-5(R)						
SW-8-6(R)						
SW-10-2(R)	15	13	9,8	13,5	M11×0,75P	M11,5×0,5P
SW-10-3(R)						
SW-10-4(R)						
SW-10-9(R)	16,5					
SW-10-10(R)						
SW-10-12(R)						



Part Number	A	B	C	ø D	E	F
SW-8-4(RPCB)	15,7	10	7,5	10	M8×0,5P	M9×0,5P
SW-8-5(RPCB)						
SW-8-6(RPCB)						
SW-10-9(RPCB)	15,7	13	9,8	13,5	M11×0,75P	M11,5×0,5P
SW-10-10(RPCB)						
SW-10-12(RPCB)						

Silver contact
Include '-S' at end of part number.
EX SW-8-4 (RPCB)-S, SW-10-12 (R)-S



SW Adapter									
Part Number	A	ø B	ø C	D	Part Number	A	ø B	ø C	D
SWA-8-4	39,3	5,1	10	M9×0,5P	SWA-10-2	47	7	13,5	M11,5×0,5P
SWA-8-5					SWA-10-3				
SWA-8-6					SWA-10-4				
					SWA-10-9				
					SWA-10-10				
					SWA-10-12				

Silver contact
Include '-S' at end of part number. EX SWA-8-4-S, SWA-10-12-S

SWH Plug

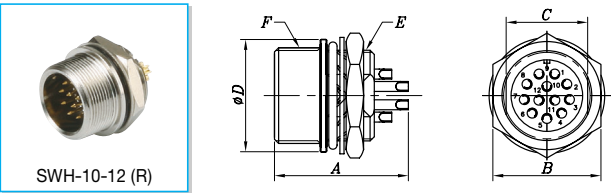
Part Number	A	ø B	ø C	ø D	Part Number	A	ø B	ø C	ø D
SWH-8-4(P)	35	11	6,7	5,1	SWH-10-2(P)	42	14	8,7	7
SWH-8-5(P)					SWH-10-3(P)				
SWH-8-6(P)					SWH-10-4(P)				
					SWH-10-9(P)				
					SWH-10-10(P)				
					SWH-10-12(P)				

→ SWH Series
→ Size
→ No. of Contacts

Silver contact

Include 'S' at end of part number. EX) SWH-8-4 (P)-S, SWH-10-12 (P)-S

SWH Solder Type Receptacle



Part Number	A	B	C	ø D	E	F
SWH-8-4(R)	14,2	10	7,5	10	M8 × 0,5P	M9 × 0,5P
SWH-8-5(R)						
SWH-8-6(R)						
SWH-10-2(R)	16,2	13	9,8	13,5	M11 × 0,75P	M11,5 × 0,5P
SWH-10-3(R)						
SWH-10-4(R)						
SWH-10-9(R)						
SWH-10-10(R)						
SWH-10-12(R)						

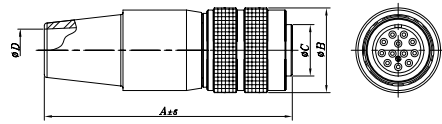
SWHA Adapter

Part Number	A	ø B	ø C	D	Part Number	A	ø B	ø C	D
SWHA-8-4	39,3	5,1	10	M9 × 0,5P	SWHA-10-2	47	7	13,5	M11,5 × 0,5P
SWHA-8-5					SWHA-10-3				
SWHA-8-6					SWHA-10-4				
					SWHA-10-9				
					SWHA-10-10				
					SWHA-10-12				

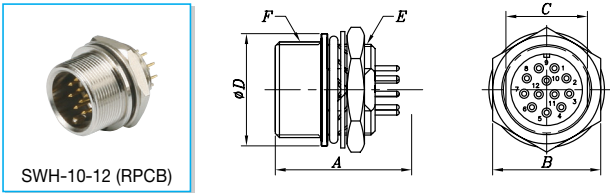
→ SWHA Series
→ Size
→ No. of Contacts

Silver contact

Include 'S' at end of part number. EX) SWHA-8-4-S, SWHA-10-12-S



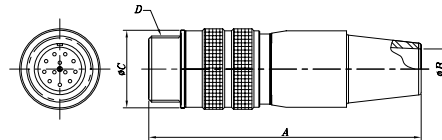
SWH PCB Type Receptacle



Part Number	A	B	C	ø D	E	F
SWH-8-4(RPCB)	15	10	7,5	10	M8 × 0,5P	M9 × 0,5P
SWH-8-5(RPCB)						
SWH-8-6(RPCB)						
SWH-10-9(RPCB)	15	13	9,8	13,5	M11 × 0,75P	M11,5 × 0,5P
SWH-10-10(RPCB)						
SWH-10-12(RPCB)						

Silver contact

Include 'S' at end of part number.
EX) SWH-8-4 (RPCB)-S, SWH-10-12 (R)-S



General Instruction / Information

- Diagram 1 shows a sample wiring for SW series.
- Soldering must be done quickly and carefully to prevent damage to insulator.
- Receptacles do not require additional instructions.

Wiring Sequence

- Select cable according to outer diameter and cross section, lower than 0,129mm²(AWG#26).
- Insert RUBBER BUSHING to cable.
- Insert PLUG HOUSING to cable.
- Strip cable per dimension given and loosen braid.
- Secure PLUG BODY to jig for soldering.
- Solder stripped cable to pin.
- Fasten CRIMP using hand crimp tool (SA-HCT^①).
- Lock PLUG HOUSING and PLUG BODY using tightening force displayed on Table 1.
- Tighten WRENCH BOLT using 0,3N force onto one of two embossed parts of crimp.
- Cover RUBBER BUSHING onto PLUG HOUSING.

① See below for information on SA-HCT.

Diagram 1

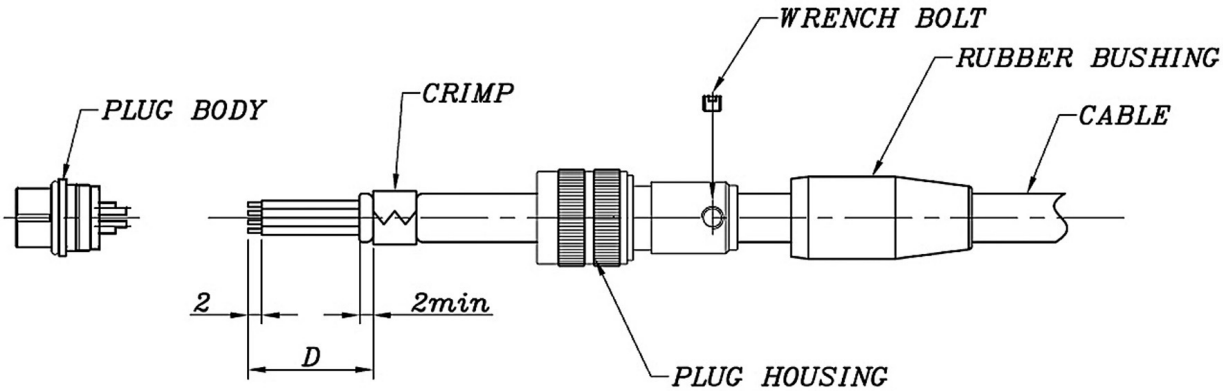
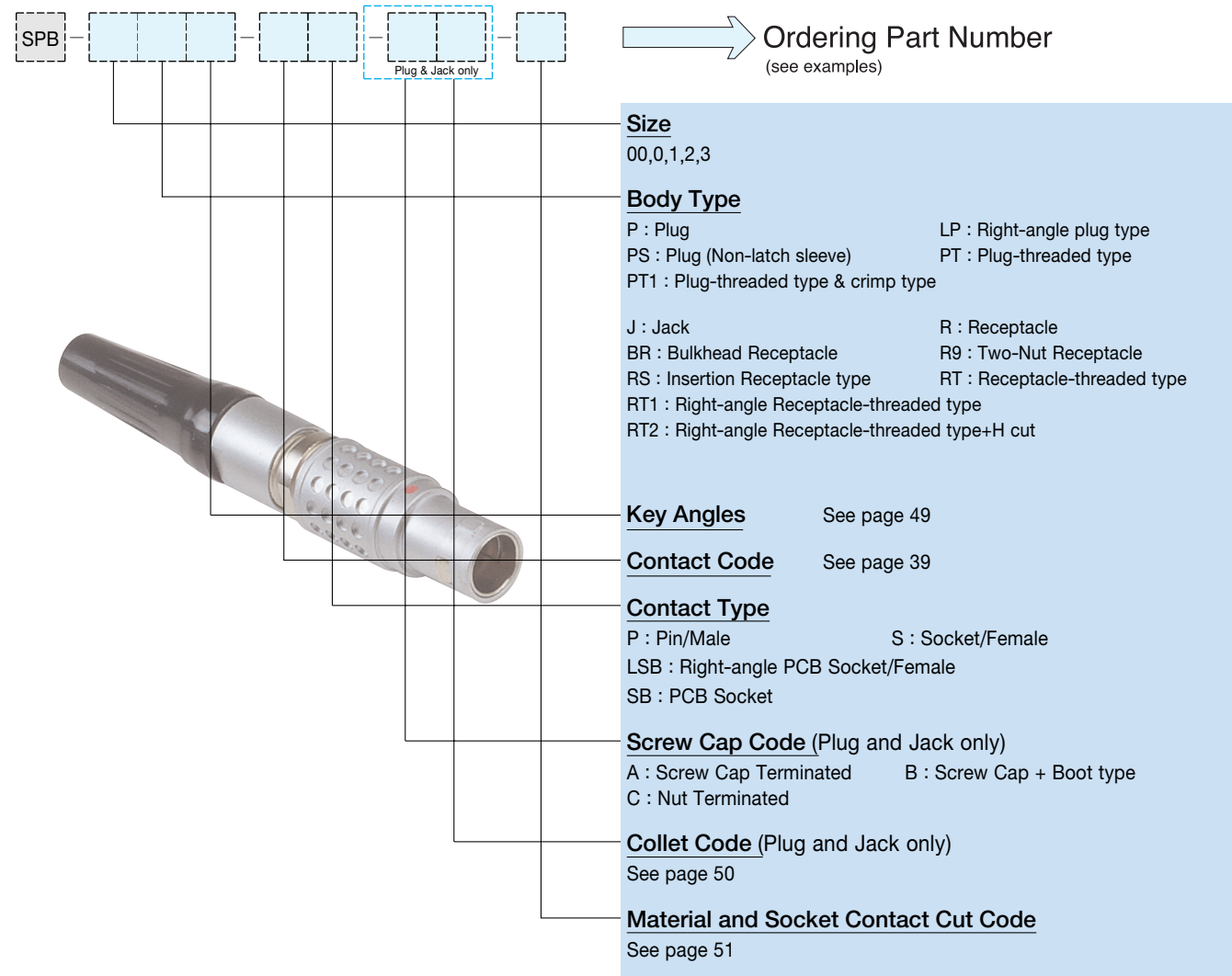


Table 1

unit : mm

Size	Spanner Jaw	D (Dimension)	Tightening Force	Notes
SW - 8	8	10	1,5N · m (15kgf · cm)	SA-HCT size ø 5,5
SW - 10	10	16	2,0N · m (20kgf · cm)	SA-HCT size ø 7,0

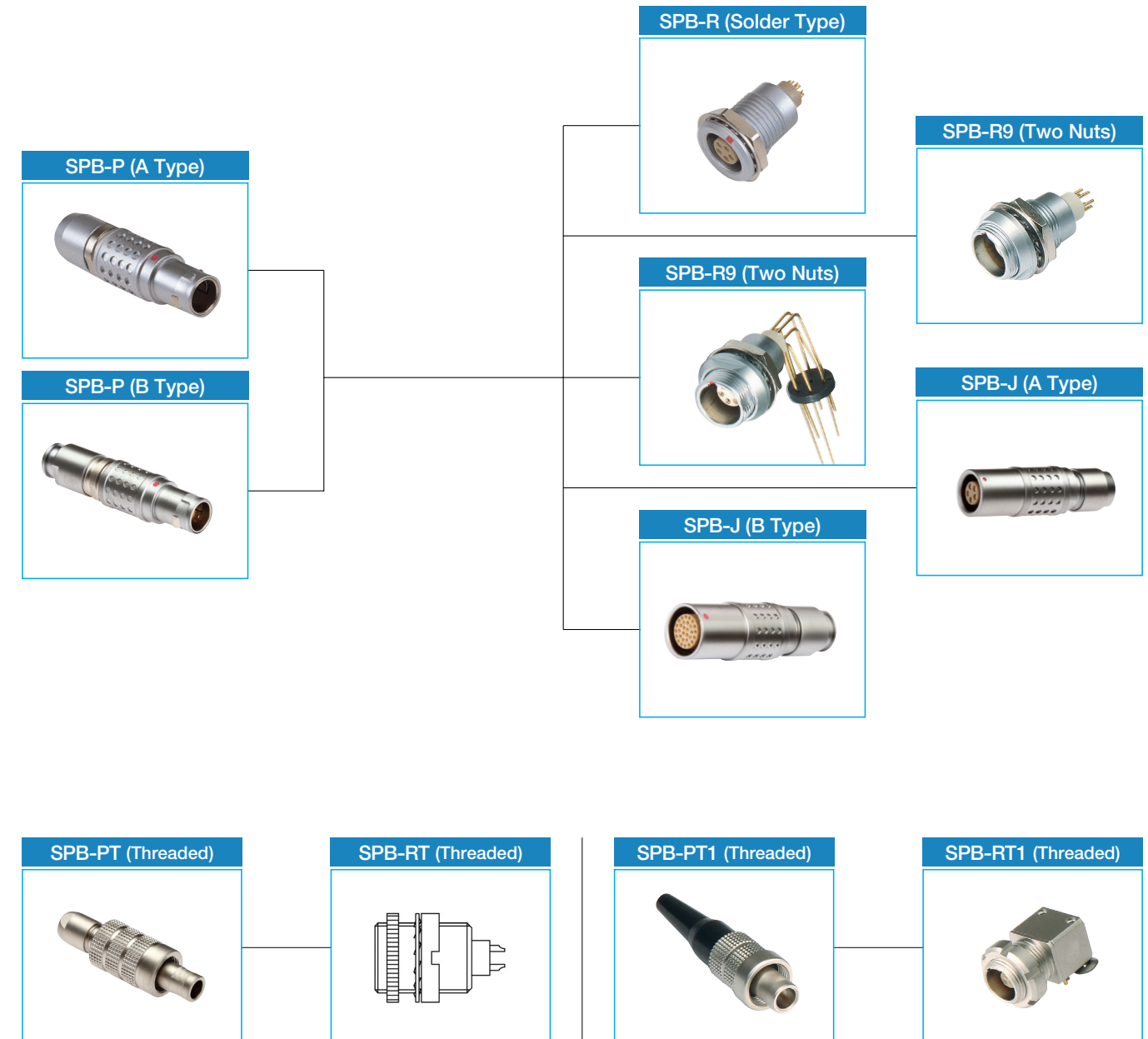
SPB Part Numbering - Mechanical keying system



Performance

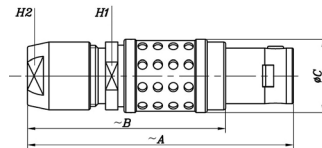
Performance	Endurance	Humidity	Temperature Range	Vibration Resistance	Shock Resistance	Corrosion Test	Mated IP Rating
Value	>5,000 cycles	95%rh 140°F	-67°F +482°F	10~2000Hz, 15g	100g, 6ms	>144h	IP50

Mini-map



SPB Plug

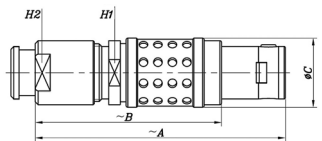
SPB (A Type)



Product Number										A	B	∅C	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 51
Collet code : Page 50
Contact code : Page 39

SPB (B Type)

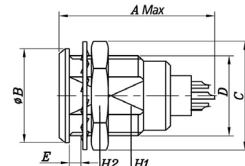


Product Number										A	B	∅C	H1	H2
SPB	0	P		P	B					35,0	25,0	9,5	8,0	7,0
SPB	1	P		P	B					42,0	33,0	12,0	10,0	9,0
SPB	2	P		P	B					48,0	36,0	15,0	13,0	12,0
SPB	3	P		P	B					56,5	41,5	18,0	15,0	14,0

Material : Page 51
Collet code : Page 50
Contact code : Page 39

SPB Receptacle

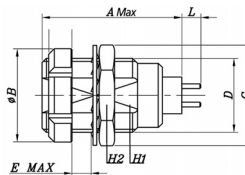
SPB (Solder Type)



Product Number										A	∅B	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 51
Contact code : Page 39

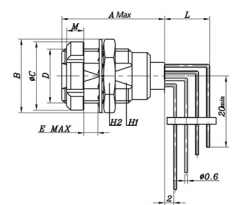
SPB (Two Nut PCB)



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

Material : Page 51
Contact code : Page 39

SPB (Two Nut Right-Angle-PCB)

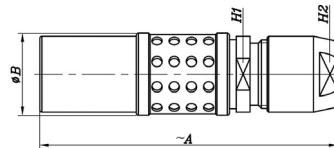


Product Number										A	B	∅C	D	E	H1	H2
SPB	0	R		S						18,3	12,5	12,0	M9×0,6P	2,4	8,2	11,0
SPB	1	R		S						20,3	19,5	16,0	M12×1,0P	6,0	10,5	14,0
SPB	2	R		S						22,3	20,0	20,0	M15×1,0P	6,5	13,5	17,0
SPB	3	R		S						25,8	25,0	24,0	M18×1,0P	9,0	16,5	22,0

Material : Page 51
Contact code : Page 39

SPB Jack

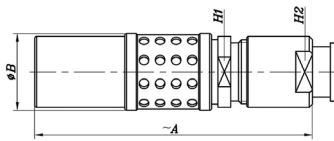
SPB (A Type)



Product Number										A	∅B	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 51
Collet code : Page 50
Contact code : Page 39

SPB (B Type)

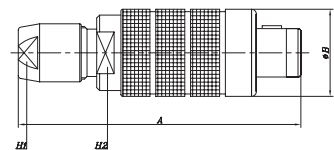


Product Number										A	∅B	H1	H2
SPB	00	J		S	B					26,0	6,4	5,5	5,0
SPB	0	J		S	B					34,5	9,5	8,0	7,0
SPB	1	J		S	B					39,5	12,5	10,0	9,0
SPB	2	J		S	B					46,0	16,5	13,0	12,0
SPB	3	J		S	B					54,5	19,0	15,0	15,0

Material : Page 51
Collet code : Page 50
Contact code : Page 39

SPB Plug(Threaded-mounting)

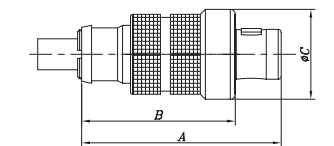
SPB (Cable Collet, 1 Key or 2 Key)



Product Number										A	∅B	H1	H2
SPB	00	PT		P	A					29,2	9	5	6,5

Material : Page 51
Collet code : Page 50
Contact code : Page 39
key angles : Page 49

SPB (Crimp Type, 2 key)

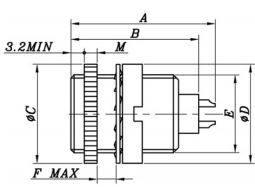


Product Number										A	B	C
SPB	00	PT1		P	C					20,0	15,4	9,0

Material : Page 51
Collet code : Page 50
Contact code : Page 39
key angles : Page 49

SPB Receptacle (Threaded-mounting)

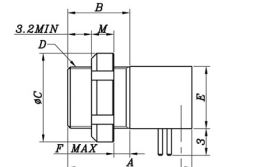
SPB(1 Key)



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
SPB-1 00 RT1 S							

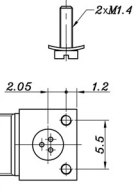
Material : Page 51
Contact code : Page 39

SPB(2 Key)



Product Number	A	B	ø C	D	E	F	M
SPB-00 R S	14,0	7,0	10,0	M7×0,5P	7,0	1,8	2,5
SPB-00 RT1 S							

Material : Page 51
Contact code : Page 39
key angles : Page 49



Contact Code

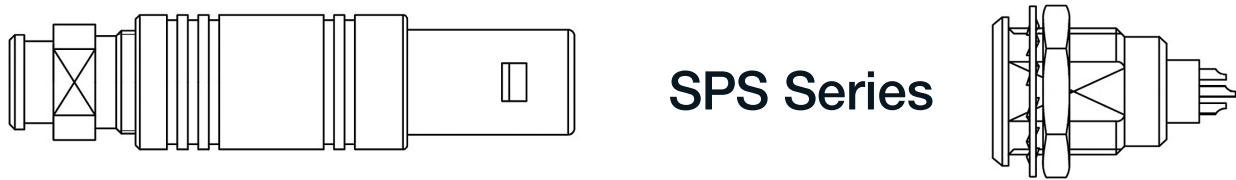
Series & Model	Size	Contact Code	Current	Impedance	Cable Group	VSWR (GHz)	Contact Arrangement
SPB	00	250	4A	50	1-2-5-6	1,09+11,f	

Contact Code

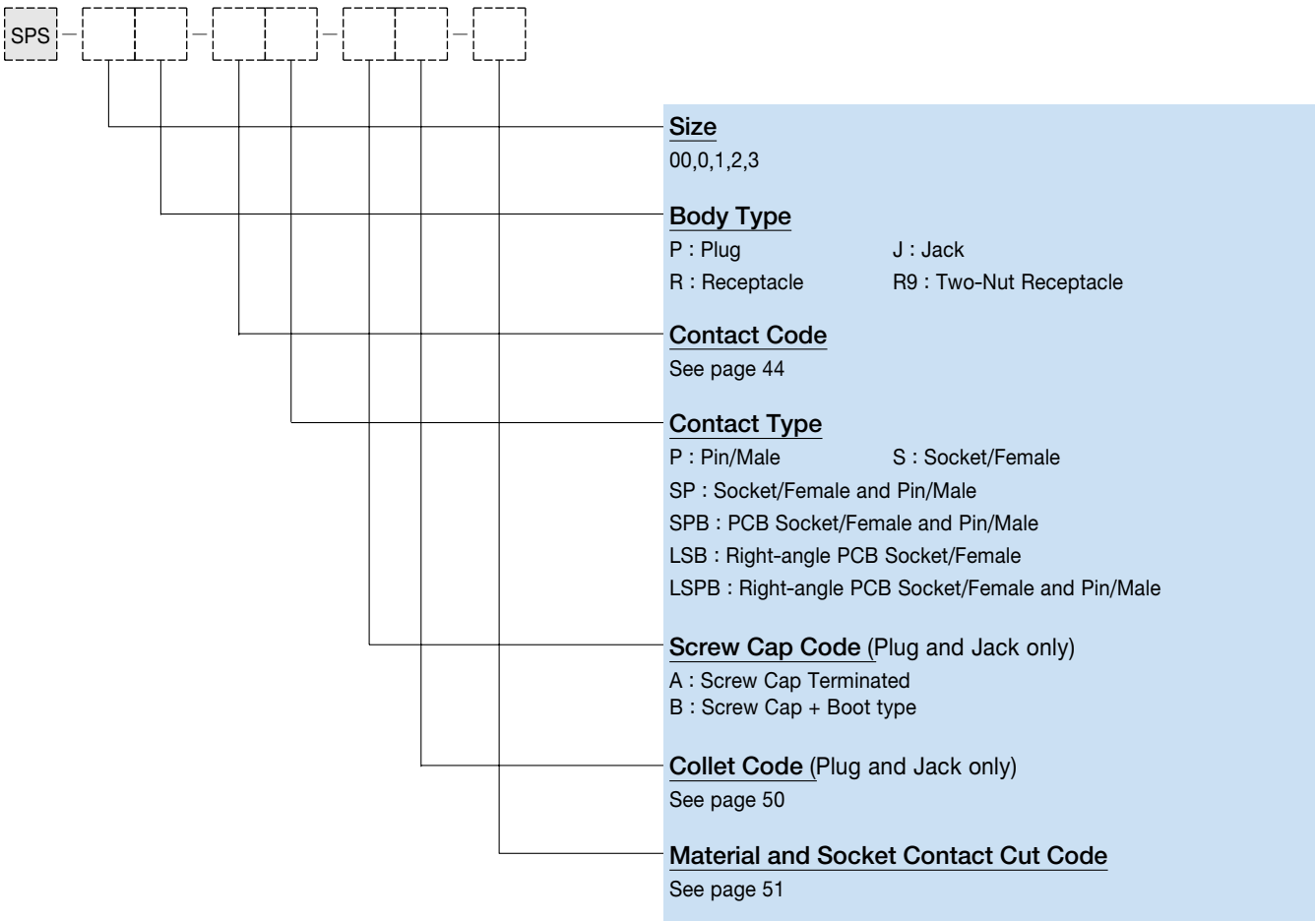
Series & Model	Size	Contact Code	Current	Contact ø	No. of Contacts	Contact Arrangement
SPB	00	302	5A	0,5	2	
		303	3A	0,5	3	
		304	2A	0,5	4	
	0	302	10A	0,9	2	
		303	8A	0,9	3	
		304	7A	0,7	4	
		305	6,5A	0,7	5	
		306	2,5A	0,7	6	
		307	2,5A	0,7	7	
	1	302	15A	1,3	2	
		303	12A	1,3	3	
		304	10A	0,9	4	
		305	9A	0,9	5	
		306	7A	0,7	6	
		307	7A	0,7	7	
		308	5A	0,7	8	
	2	308	10A	0,9	8	
		310	8A	0,9	10	
	3	330	3,5A	0,7	30	

Series & Model	Size	Contact Code	Number of Contacts	Contact ø	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	22		

Note : Connector contact arrangement is from mating surface.

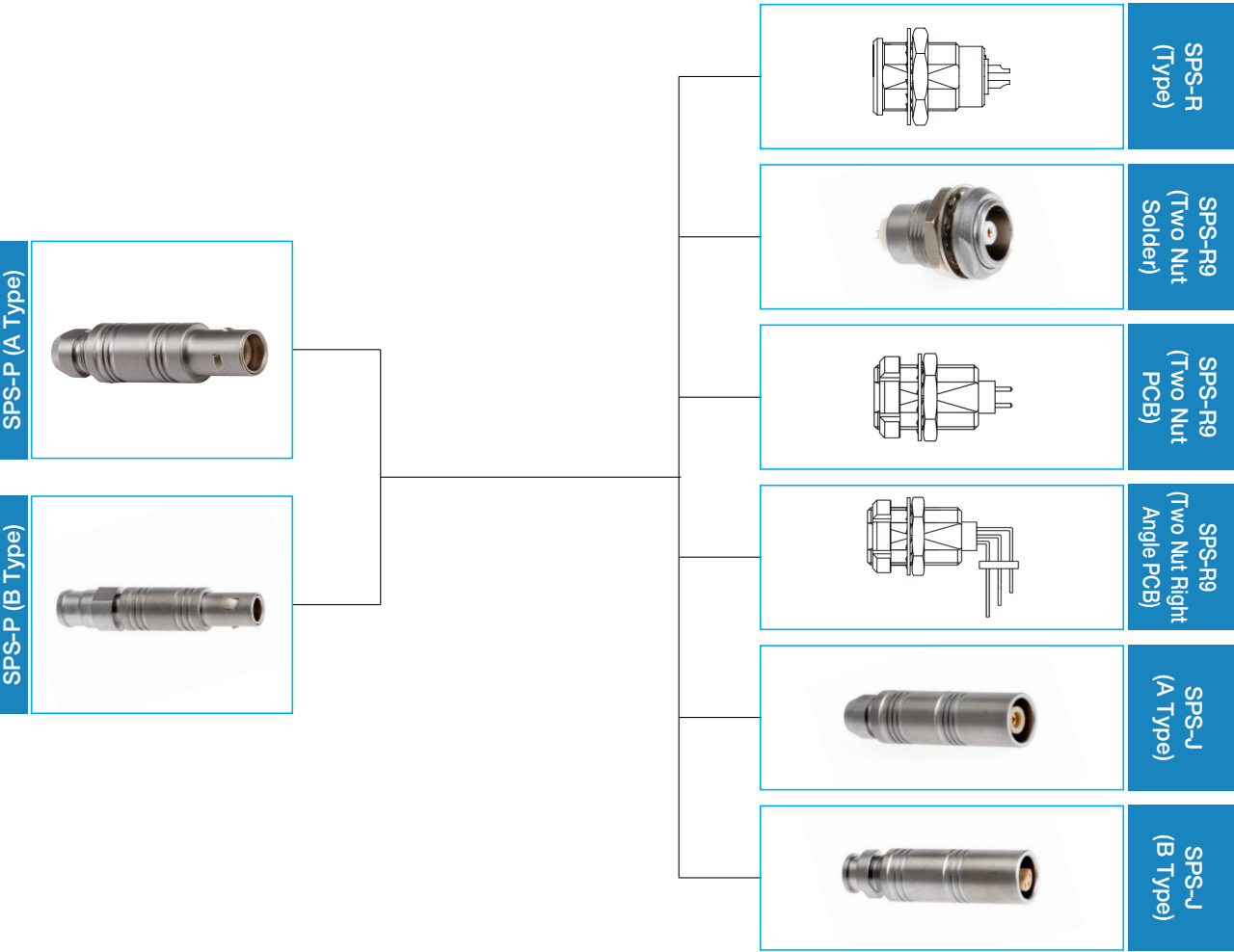


SPS Part Numbering - Hermaphroditic keying system



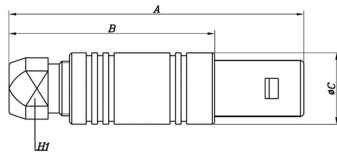
Performance							
Performance	Endurance	Humidity	Temperature Range	Vibration Resistance	Shock Resistance	Corrosion Test	Mated IP Rating
Value	>5,000 cycles	95%rh 140°F	-67°F +482°F	10~2000Hz, 15g	100g, 6ms	>144h	IP50

Mini-map



SPS Plug

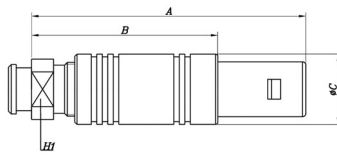
SPS (A Type)



Product Number				A	B	∅ 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 51
Collet code : Page 50
P : Pin/Male, SP : Socket/Female and Pin/Male Contact
Contact code : Page 44

SPS (B Type)

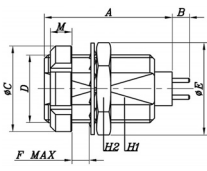
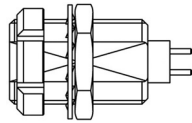


Product Number				A	B	∅ C	H1
SPS	00	P	B	26.0	18.0	6.4	6.0
SPS	0	P	B	34.5	24.5	9.0	7.0
SPS	1	P	B	42.5	31.5	12.0	9.0
SPS	2	P	B	52.0	40.0	14.8	12.0
SPS	3	P	B	61.0	46.0	17.8	14.0

Material : Page 51
Collet code : Page 50
P : Pin/Male, SP : Socket/Female and Pin/Male Contact
Contact code : Page 44

SPS Receptacle

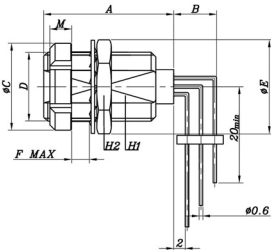
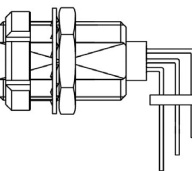
SPS (Two Nut PCB)



Product Number				A	B	∅ C	D	∅ E	F	H1	H2
SPS	0	RS		15.0	3.0	12.0	M9×0.6P	12.5	8.5	8.2	11.0
SPS	1	RS		17.5	3.0	16.0	M12×1.0P	16.0	10.0	10.5	14.0
SPS	2	RS		20.0	3.0	20.0	M15×1.0P	19.5	11.0	13.5	17.0
SPS	3	RS		24.0	3.0	24.0	M18×1.0P	25.2	14.0	16.5	22.0

Material : Page 51
SB : PCB Socket/Female
SPB : PCB Socket/Female and Pin/Male Contact
Contact code : Page 44

SPS (Two Nut Right Angle PCB)

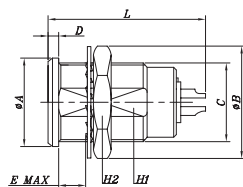
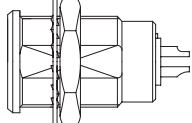


Product Number				A	B	∅ C	D	∅ E	F	H1	H2
SPS	0	RS		15.0	①	12.0	M9×0.6P	12.5	8.5	8.2	11.0
SPS	1	RS		17.5	①	16.0	M12×1.0P	16.0	10.0	10.5	14.0
SPS	2	RS		20.0	①	20.0	M15×1.0P	19.5	11.0	13.5	17.0
SPS	3	RS		24.0	①	24.0	M18×1.0P	25.2	14.0	16.5	22.0

Material : Page 51
LSB : Right-angle PCB Socket/Female
LSPB : Right-angle PCB Socket/Female and Pin/Male Contact
Contact code : Page 44

SPS Receptacle

SPS - R Type

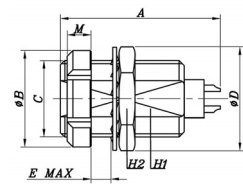
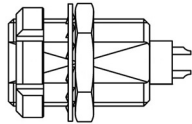


Product Number				A	∅ B	C	D	E	L	L ¹⁾	H1	H2
SPS	00	RS		8	10.3	M7×0.5P	1.0	5.5	—	15.2	6.3	9
SPS	0	RS		10	12.5	M9×0.6P	1.2	5.5	17.5	18.5	8.2	11
SPS	1	RS		14	16.0	M12×1.0P	1.5	5.5	20.2	21.5	10.5	14
SPS	2	RS		18	19.5	M15×1.0P	1.8	5.5	24.5	26.0	13.5	17
SPS	3	RS		22	25.2	M18×1.0P	2.0	5.5	29.0	30.0	16.5	22

Material : Page 51
S : Socket/Female, SP : Socket/Female and Pin/Male Contact
Contact code : Page 44

1) L : Single Contact

SPS (Two Nut Solder)

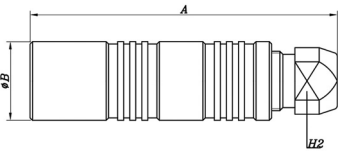


Product Number				A	∅ B	C	∅ D	E	H1	H2
SPS	0	RS		17.5	12.0	M9×0.6P	12.5	8.5	8.2	11.0
SPS	1	RS		20.2	16.0	M12×1.0P	16.0	10.0	10.5	14.0
SPS	2	RS		24.5	19.5	M15×1.0P	20.0	11.0	13.5	17.0
SPS	3	RS		29.0	24.0	M18×1.0P	25.2	14.0	16.5	22.0

Material : Page 51
S : Socket/Female, SP : Socket/Female and Pin/Male Contact
Contact code : Page 44

SPS Jack

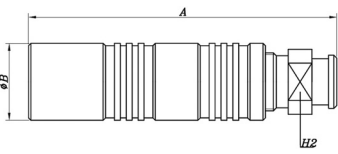
SPS (A Type)



Product Number				A	∅ 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 51
Collet code : Page 46
S : Socket/Female, SP : Socket/Female and Pin/Male Contact
Contact code : Page 44

SPS (B Type)



Product Number				A	∅ 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

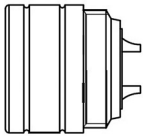
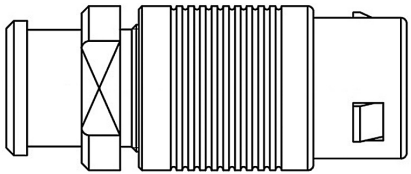
Material : Page 51
Collet code : Page 50
S : Socket/Female, SP : Socket/Female and Pin/Male Contact
Contact code : Page 44

Contact Code (single contact)						
Series & Model	Size	Contact Code	Current	Contact $\varnothing$	Pin Contact Arrangement	Socket Contact Arrangement
SPS	00	113	8A	1.3		
	0	116	12A	1.6		
	1	120	18A	2.0		
		130	25A	3.0		

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	

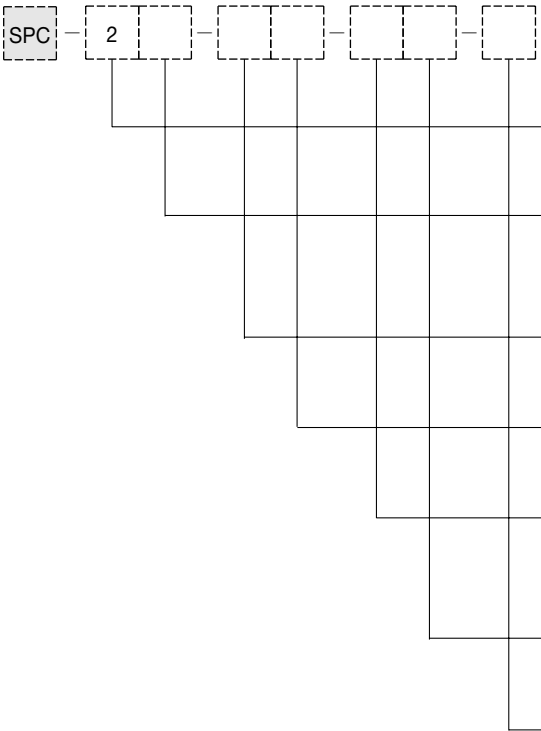
Contact Code (multi-contact)						
Series & Model	Size	Contact Code	Current	Contact $\varnothing$	No. of Contacts	Contact Arrangement
SPS	0	302	10A	0.9	2	
		304	7A	0.7	4	
	1	302	15A	1.3	2	
		304	10A	0.9	4	
	2	310	7A	0.9	10	
	3	302	23A	2.0	2	

Note : Connector contact arrangement is from mating surface.



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 Socket/Female & 3 Pin/Male

Contact Type
SP : Socket/Female and Pin/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 50

Material and Socket Contact Cut Code
See page 51

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

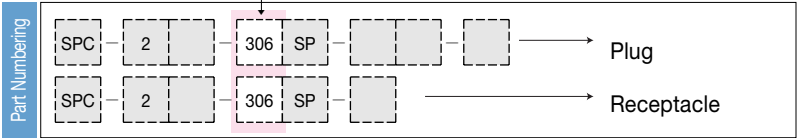
Mini-map



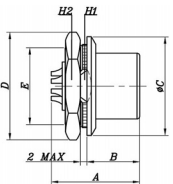
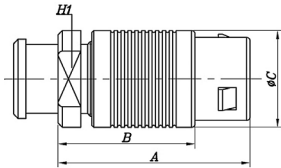
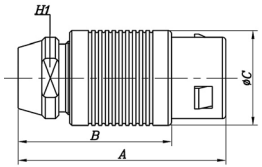
Contact Code

Series & Model	Size	Contact Code	Current	Contact ϕ	No. of Contacts	Contact Arrangement
SPC	2	306	12A	1,3	6	

Note : Connector contact arrangement is from mating surface.



SPC Plug



Product Number	A	B	ϕ C	H1
SPC-2-P-306-SP-A	30	22	14	10,5

Material : Page 51
Collet code : Page 50

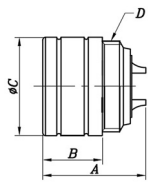
Product Number	A	B	ϕ C	H1
SPC-2-P-306-SP-B	28,4	20,4	14,	12

Material : Page 51
Collet code : Page 50

Product Number	A	B	ϕ C	D	E	H1	H2
SPC-2-PF-306-SP-B	17	9,5	18	19,5	M15×1P	13,8	17

Material : Page 51
Collet code : Page 50

SPC Receptacle

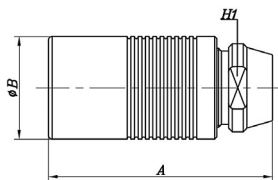


Product Number	A	B	ϕ C	D
SPC-2-R3-306-SP	14,2	8,5	14,0	M13×0,75P

Material : Page 51

SPC Jack

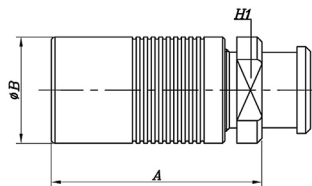
SPC - J(A Type)



Product Number	A	Ø B	H1
SPC-2-J-308-SP-A	28	14	1.5

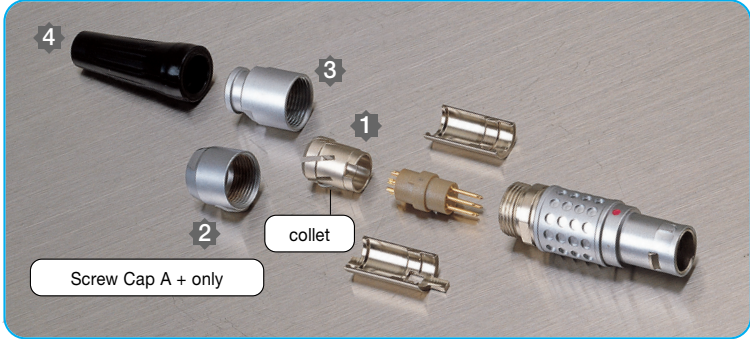
Material : Page 51
Collet code : Page 50

SPC - J(B Type)



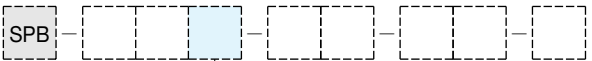
Product Number	A	Ø B	H1
SPC-2-J-308-SP-B	26.4	14	12

Material : Page 51
Collet code : Page 50



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

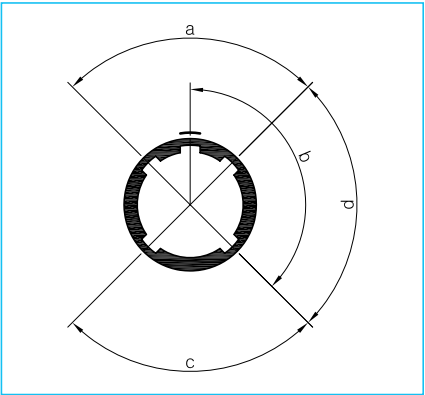
Key Angles Code - For all SP series



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	o	o		o									o				
	0	o	o	o	o	o					o	o	o	o	o	o		o
	1	o	o	o	o	o			O (SPB)		o	o	o	o	o	o		
	2	o	o	o	o		o	o		o		o			o		o	
	3	o	o		o		o	o		o		o			o		o	

Front view of a socket



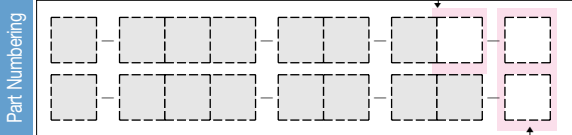
Collet Code Information

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	•	•
		D22	2.1	—	2.2	1.4		
		D31	3.1	—	3.0	2.1	•	•
		D32	3.2	—	3.2	2.2		
		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	•	•
	1	M27	2.7	—	2.7	> 2.2	•	•
		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	•	•
	2	D76	7.6	6.7	7.5	7.1	•	•
		M21	2.1	—	2.2	1.4	•	•
		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	•	•
		D99	9.9	8.6	9.7	9.1	•	•
	3	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	•	•
		D11	11.2	10.2	11.0	10.1	•	•
		D12	11.9	10.2	11.7	11.1	•	•
SPS	00	L29	2.9	—	2.8	2.4	•	•
		L31	3.1	—	3.0	2.6	•	•
	0	L42	4.2	—	4.1	3.7	•	•
		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	•	•

Material Code (For all SP Metal series)

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

Collet Code



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



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 ”

Color Code



Black(BK)



Grey(GY)



White(WH)



Red(RD)



Green(GN)



Blue(BU)



Orange(OR)



Yellow(YE)



Brown(BR)

Material

Material	Applicable Series	Temperature range
TPE	All	-40℃ ~ +120℃
Silicon	1Size	-60℃ ~ +200℃
Polyurethane	All	-40℃ ~ +80℃

Boot Size Code (example with color black)



Boot Part Number	Size	Dimension		Cable ϕ	
		ϕ A	L	max	min
SPA-0B-BK25	0	2.5	24	3.4	3.0
SPA-0B-BK30		3.0	24	3.4	3.0
SPA-0B-BK35		3.5	24	3.9	3.5
SPA-0B-BK40		4.0	24	3.3	4.0
SPA-0B-BK45		4.5	24	4.9	4.5
SPA-1B-BK25	1	2.5	30	2.9	2.5
SPA-1B-BK30		3.0	30	3.4	3.0
SPA-1B-BK35		3.5	30	3.9	3.5
SPA-1B-BK40		4.0	30	4.4	4.0
SPA-1B-BK45		4.5	30	4.9	4.5
SPA-1B-BK54		5.4	30	6.0	5.4
SPA-1B-BK65	2	6.5	30	7.0	6.5
SPA-2B-BK40		4.0	36	4.5	4.0
SPA-2B-BK45		4.5	36	5.0	4.5
SPA-2B-BK50		5.0	36	5.5	5.0
SPA-2B-BK60		6.0	36	6.5	6.0
SPA-2B-BK70		7.0	36	7.7	7.0
SPA-2B-BK78	3	7.8	36	8.8	7.8
SPA-3B-BK40		4.0	30	4.4	4.0
SPA-3B-BK45		4.5	30	4.9	4.5
SPA-3B-BK70		7.0	42	7.9	7.0
SPA-3B-BK80		8.0	42	8.9	8.0
SPA-3B-BK90		9.0	42	10.0	9.0
SPA-3B-BK110		11.0	42	11.0	10.5

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

Part Numbering

Part Number		Size	Number of Contacts	Suffix (Contact Type)	Optional Suffix	Notes	
Series	Prefix (Body)				G		
SRC	6A	21	10,16,26	P	●	Plug (Pin)	
				S	●	Plug (Socket)	
				P	●	Receptacle (Pin)	
				S	●	Receptacle (Socket)	
	A			PS	●	Adapter (Round)	
				AP	PS	●	Adapter (Panel)

Select

Select

Select

Select

Option

Ordering Part Number
(see examples)

Connector Series

SRC6A - Plug

SRC2A - Receptacle

SRCA - Adapter (Round Type)

SRCAP - Adapter (Panel Type)

Size

21

No. of Contacts

10,16,26

Contact Type

P : Pin

S : Socket

PS : Pin and Socket

Shell Type

G : Gold plated contact

Examples

SRC6A 21 - 10 P

SRC series Plug - Size 21 - 10 contact pin

SRC2A 21 - 16 S

SRC series Receptacle - Size 21 - 16 contact socket

SRCA 21 - 26 PS

SRC series Round adapter - Size 21 - 26 contact pin&socket

SRCAP 21 - 16 PS - G

SRC series Panel adapter - Size 21 - 16 contact Pin&socket - Gold contact

Major Performances / Contact Arrangements

Performance	Size / No. of Contacts		
	10	16	26
Withstanding Voltage (per min) ¹	AC 1000V	AC 1000V	AC 1000V
Current	10A	5A	5A / 10A
Insulation Resistance (Minimum) ²	1,000M Ω	1,000M Ω	1,000M Ω
Contact Resistance (Maximum) ³	5m Ω	5m Ω	5m Ω
Solder Pot Inside Diameter	ø 1.5	ø 1.0	ø 1.0 / ø 1.5
Contact Arrangement			

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.

• Values are from tested items and may not apply to all connectors.

• Specifications subject to change without notice.

• Consult Sam Woo Electronics for the latest specifications.

4 Connector contact arrangement is from mating surface.

Material Used / Finish

	Material	Finish
Body	Aluminum alloy	Ni or Au
Insulator	Thermosetting resin	Black
Contacts	Pin	Brass
	Socket	Phosphor bronze

SRC Series Mini-map

Plug

SRC6A-P Series

Pin Contact

Receptacle

SRC2A-S Series

Socket Contact

Socket Contact

SRCAP-PS Adapter

Pin Contact

Socket Contact

SRCA-PS Adapter

Socket Contact

Plug

SRC6A-S Series

Socket Contact

Receptacle

SRC2A-P Series

Pin Contact

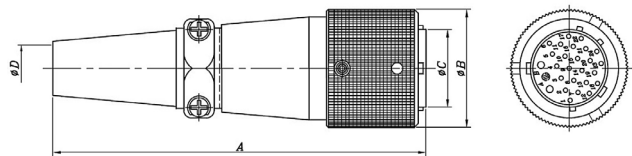
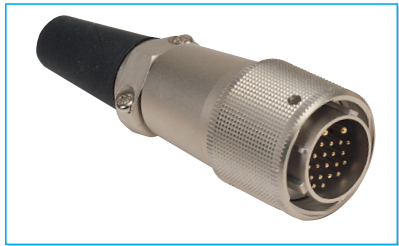
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Sam Woo Electronics

SRC6A Plug



Part Number	A	Ø B	Ø C	Ø D
SRC6A21-10P	98,0	31,0	20,4	12,2
SRC6A21-16P				
SRC6A21-26P				
SRC6A21-10P-G				
SRC6A21-16P-G				
SRC6A21-26P-G				

Part Number	A	Ø B	Ø C	Ø D
SRC6A21-10S	98,0	31,0	20,4	12,2
SRC6A21-16S				
SRC6A21-26S				
SRC6A21-10S-G				
SRC6A21-16S-G				
SRC6A21-26S-G				

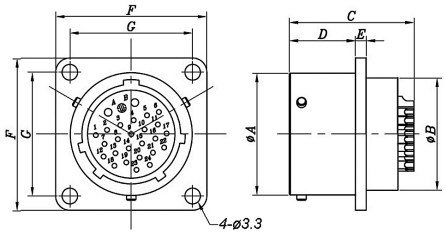
SRC6A Plug



SRC2A Receptacle



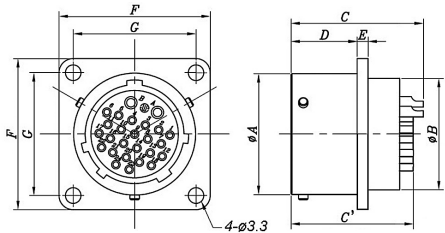
Part Number	Ø A	Ø B	C	D	E	F	G
SRC2A21-10P	25,6	23,6	26,4	14	2,3	32	26
SRC2A21-16P							
SRC2A21-26P							
SRC2A21-10P-G							
SRC2A21-16P-G							
SRC2A21-26P-G							



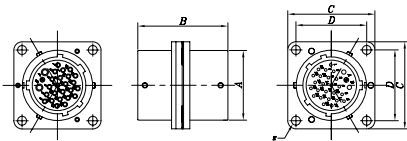
SRC2A Receptacle



Part Number	Ø A	Ø B	C(C')	D	E	F	G
SRC2A21-10S	25,6	23,6	27,7 (25,5)	14	2,3	32	26
SRC2A21-16S							
SRC2A21-26S							
SRC2A21-10S-G							
SRC2A21-16S-G							
SRC2A21-26S-G							

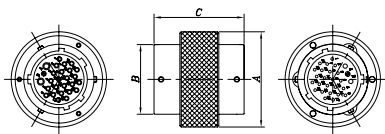


SRCAP Adapter (Panel, Male to Female)



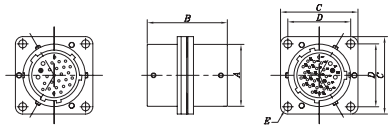
Part Number	Ø A	B	C	D	E
SRCAP21-10PS	25,6	33	32	26	4- Ø 3,3
SRCAP21-16PS					
SRCAP21-26PS					
SRCAP21-10PS-G					
SRCAP21-16PS-G					
SRCAP21-26PS-G					

SRCA Adapter (Round, Male to Female)



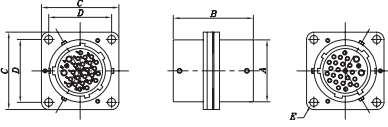
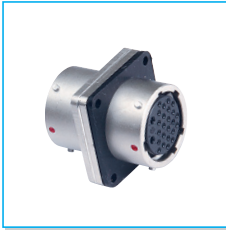
Part Number	Ø A	Ø B	C
SRCA21-10PS	35	25,6	35,0
SRCA21-16PS			
SRCA21-26PS			
SRCA21-10PS-G			
SRCA21-16PS-G			
SRCA21-26PS-G			

SRCAP Adapter (Panel, Male to Male)



Part Number	∅ A	B	C	D	E
SRCAP21-10PP	25,6	33	32	26	4 - ∅ 3,3
SRCAP21-16PP					
SRCAP21-26PP					
SRCAP21-10PP-G					
SRCAP21-16PP-G					
SRCAP21-26PP-G					

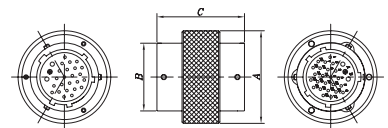
SRCAP Adapter (Panel, Female to Female)



Part Number	∅ A	B	C	D	E
SRCAP21-10SS	25,6	33	32	26	4 - ∅ 3,3
SRCAP21-16SS					
SRCAP21-26SS					
SRCAP21-10SS-G					
SRCAP21-16SS-G					
SRCAP21-26SS-G					

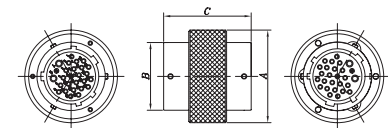
58

SRCA Adapter (Round, Male to Male)



Part Number	∅ A	∅ B	C
SRCA21-10PP	35	25,6	35,0
SRCA21-16PP			
SRCA21-26PP			
SRCA21-10PP-G			
SRCA21-16PP-G			
SRCA21-26PP-G			

SRCA Adapter (Round, Female to Female)



Part Number	∅ A	∅ B	C
SRCA21-10SS	35	25,6	35,0
SRCA21-16SS			
SRCA21-26SS			
SRCA21-10SS-G			
SRCA21-16SS-G			
SRCA21-26SS-G			

59



Part Numbering

Series	Size	Number of Contacts	Suffix	Contact Type	Notes
SXR	10	8	P	Male	SXR Series Plug
			R	Female	SXR Series Receptacle

SXR - 10 - 8 ()

Ordering Part Number
(see examples)

Connector Series

SXR Series

Size

10

No. of Contacts

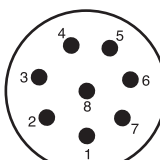
8

Body Type

P : Plug

R : Receptacle (solder termination)

Major Performances / Contact Arrangements

Size / No. of Contacts	Size 10
Performance	8
Withstanding Voltage (per min) ¹	AC 300V
Rated Current	2A
Insulation Resistance (Minimum) ²	1,000M Ω
Contact Resistance (Maximum) ³	20m Ω
Solder Pot Inside Diameter	ø 0.9
Contact Arrangement	

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.
• Values are from tested items and may not apply to all connectors.
• Specifications subject to change without notice.
• Consult Sam Woo Electronics for the latest specifications.
⁴ Connector contact arrangement is from mating surface.

Material Used / Finish			
		Material	Finish
Body		Alluminum alloy	Nickel plating
Insulator		PBT resin	Black
Contacts	Male	Brass	Silver plating
	Female	Phosphor bronze	Silver plating

SXR Series Mini-map

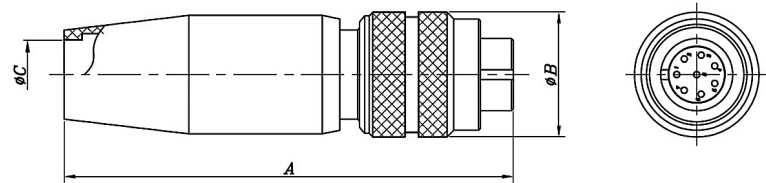
Plug



Receptacle

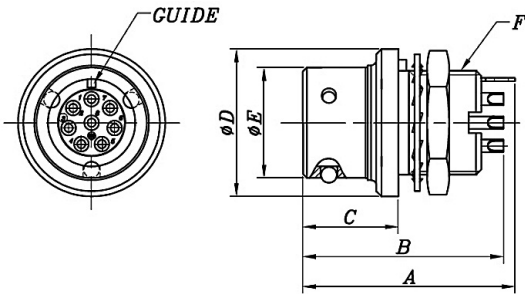


SXR Plug



Part Number	A	ø B	ø C
SXR-10-8 (P)	50,0	14,0	8,0

SXR Receptacle



Part Number	A	B	C	ø D	ø E	F
SXR-10-8 (R)	20,2	19,1	9,1	14	10,5	M10×0,75P





Features

- Screw Locking System
- Patented Design
- Easy Soldering
- Boot to fit cable diameter : $\varnothing$ 2.5, $\varnothing$ 3.5 or $\varnothing$ 4.5

Applications

- Audio Signal Transmission
- Stereo Headphones
- Professional Headset Microphones

Electrical Performance

Rated Current	Depends on Mating Connector
Contact Resistance	Depends on Mating Connector
Dielectric Strength	AC 500V for 10 seconds

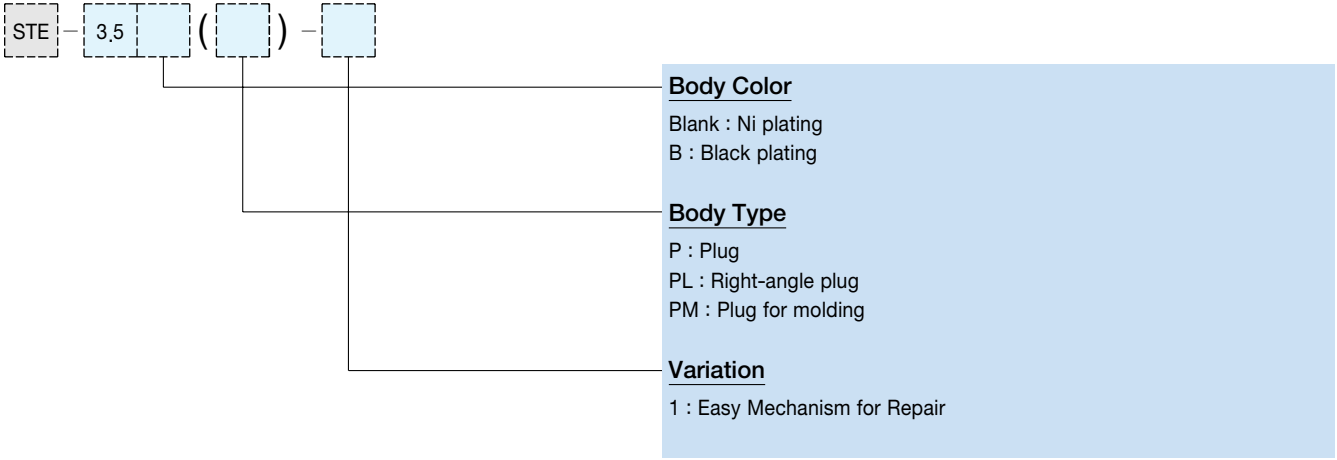
Mechanical Performance

Mating Cycle	5,000
Solderability	Heat+270 $\pm$ 5 $^{\circ}$ C for 2–3 seconds
Operating Temperature	–20 $^{\circ}$ C – +65 $^{\circ}$ C

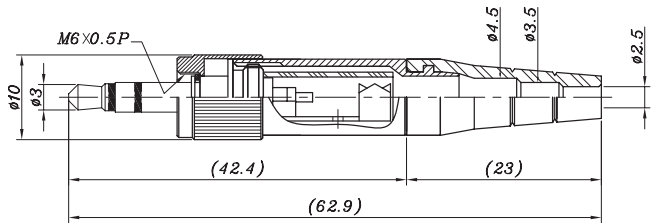
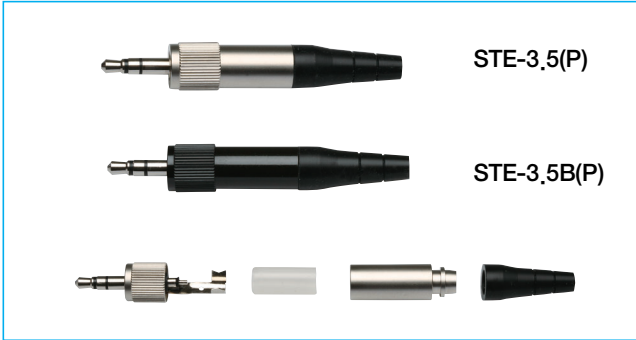
Material

General	Material	Finish
Housing / Shell	Brass	Ni Plating
Insulation	POM	
Contacts	Brass	Ni Plating
Strain Relief-Crimp	Brass	Ni Plating
Boot	Silicon	Black,Red, Yellow, Grey

Stereo Plug Part Nambering



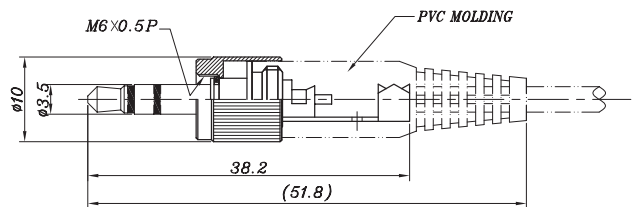
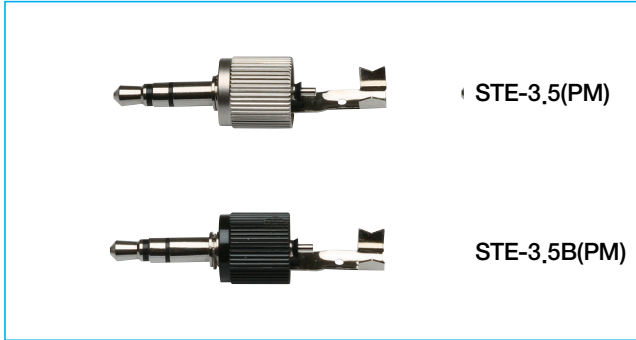
STE-3.5(P), STE-3.5B(P)



STE-3.5(P), STE-3.5B(P)

STE-3.5(PM), STE-3.5B(PM)

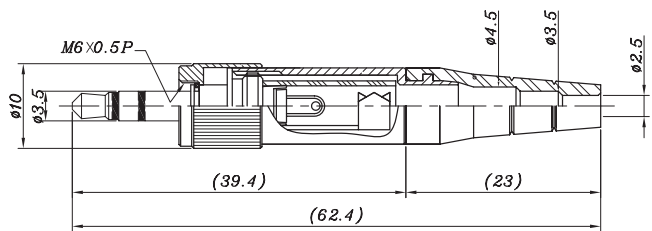
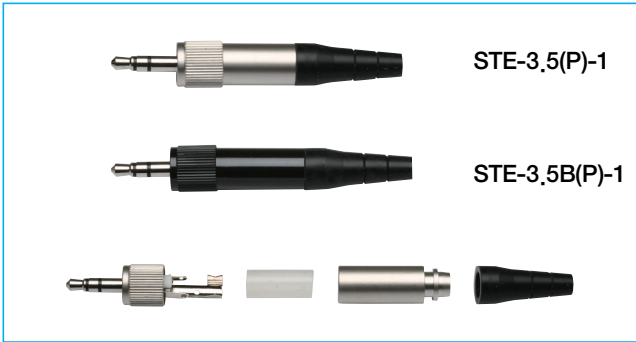
Molding Type



STE-3.5(PM), STE-3.5B(PM)

STE-3.5(P)-1, STE-3.5B(P)-1

Easy Mechanism for Repair



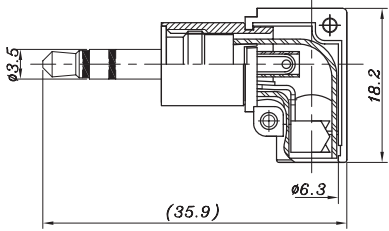
STE-3.5(P)-1, STE-3.5B(P)-1

STE-3.5(PL), STE-3.5B(PL)

Right-angle Type



STE-3.5(PL), STE-3.5B(PL)



STE-3.5(PL), STE-3.5B(PL)



Features

- Screw Locking System
- Patented Design
- Easy Soldering
- Boot to fit cable diameter : $\varnothing$ 2.5, $\varnothing$ 3.5 or $\varnothing$ 4.5
- Standard and Custom Design

Applications

- Audio Signal Transmission
- Stereo Headphones
- Professional Headset Microphones

STE Cable Assembly with Coil Cable



Type	Construction
A	STE Connetcor + Coil Cable + Other Connector
B	STE Connetcor + Coil Cable + SET Connector

※ Design and Customization Service Available

Stereo Plug Part Numbering



Drawing Number

Blank : Ni plating
B : Black plating

Optional Suffix (Omissible)

1,2,3
To indicate modification of original

Cable Length : 3 Digits

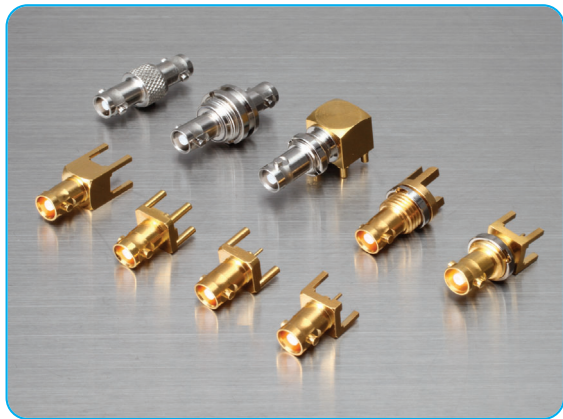
Unit Plug : m
Recep : cm
Ex) Using 3m Cable for Plug : 003
Using 30cm Cable for Recep : 030

STE Cable Assembly with Straight Cable



Type	Construction
A	STE Connector + Straight Cable + Open end
B	STE Connector + Straight Cable + Other Connector
C	STE Connector + Straight Cable + STE Connector

※ Design and Customization Service Available



Features

- Top-quality performing 75 Ω BNC
- High density
- Quick and reliable connection

Applications

- TV broadcasting
- CCTV
- CATV transmitters
- Telecommunications
- Computer networking
- Medical imaging equipment

Major Performances

Impedance (Ohms)	75 Ω	Insulation resistance	10,000M Ω min	
Voltage rating	170V	Contact resistance	Center Contact	5m Ω Max
Dielectric withstanding voltage	500 VRMS		Outer Contact	2,5m Ω Max
Mating	Bayonet type	Durability	500 cycle	
V.S.W,R & Frequency range	3GHz : 1,2 max @ DC to 3GHz			
	6GHz : 1,2 max @ DC to 6GHz			
	12GHz : 1,5 max @ DC to 12GHz			

Part Nambering

Products	Product Number	Description	Impedance (Ohms)
Plug	BNCCHD-PC-1505A	HD-BNC PCB Plug, Straight	75 Ω
Jack	BNCCHD-J3R-PCB	HD-BNC PCB Jack, Straight-3Legs	75 Ω
	BNCCHD-J3R1-PCB	HD-BNC PCB Jack, Straight-3Legs	
	BNCCHD-J4R-PCB	HD-BNC PCB Jack, Straight	
	BNCCHD-J4R1-PCB	HD-BNC PCB Jack, Straight	
	BNCCHD-BJ4R-PCB	HD-BNC PCB Jack, Straight, Bulkhead	
	BNCCHD-BJ3RE-PCB	HD-BNC PCB Jack, Straight, Bulkhead	
	BNCCHD-LBJ4R-PCB	HD-BNC PCB Jack, Right-angle, Bulkhead	
Adapter	BNCCHD-A-JJ	HD-BNC Jack to HD-BNC Jack	75 Ω
	BNCCHD-BA-JJ	HD-BNC Jack to HD-BNC Jack, Isolated, Bulkhead	

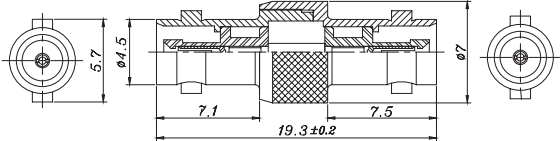
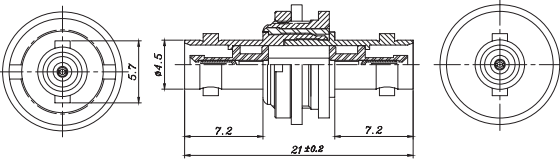
Consult Sam Woo Electronics for preferred frequency range.

Material Used / Finish

General		Material	Finish
Body		Brass	Ni or Gold Plating
Insulator		PTFE	White
Contacts	Male	Brass	Gold Plating
	Female	Cu-Be	Gold Plating

BNCCHD ADAPTER

Up to 12GHz

Product Number	Picture	Drawing
BNCCHD-A-JJ		
BNCCHD-BA-JJ		





Features

- Top-quality performing 75Ω BNC
- Quick, reliable connection
- Intermateable with 50Ω series

Applications

- TV broadcasting
- CCTV
- Satellite receivers
- Medical imaging equipment, etc.
- CATV transmitters
- Telecommunications
- Computer networking

BNCC Part Numbering (plug & adapter)



Connector Series

BNCC-BNC 75Ω series

Body Type

PC : Plug crimp type

A : Adapter

BA : Bulkhead type adapter

PA : Panel type adapter

Cable code

Code	Cable in use
59U	RG59/U, Belden 1505A
179U	RG179/U
1855A	Belden 1855A

Cable code can be customized according to customer request.

Only adapter

JJ : Jack - Jack

PJ : Plug - Jack

PP: Plug - Plug

Frequency

1 : 1GHz	3 : 3GHz	6 : 6GHz	12 : 12GHz
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Boot Color Code

BK - Black	BU - Blue	BR - Brown
GY - Gray	GN - Green	OR - Orange
PR - Purple	RD - Red	WH - White
YE - Yellow		

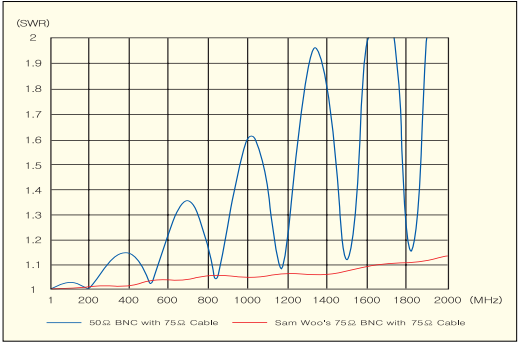
Major Performances

Impedance (Ohms)	75 Ω	Insulation resistance	5,000M Ω min	
Dielectric withstanding voltage	500 VRMS	Contact resistance	Center Contact	5m Ω Max
			Outer Contact	2,5m Ω Max
V.S.W.R & Frequency range	1,2 max @ DC to 1GHz			
	1,2 max @ DC to 3GHz			
	1,2 max @ DC to 6GHz			
	1,5 max @ DC to 12GHz			

BNC 75Ω Advantage

Why use BNC 75Ω Connectors?

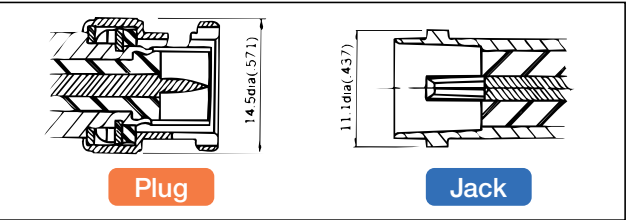
The 50Ω BNC connector that terminates to the 75Ω video coax is not sufficient in producing maximum performance for today's high analog and digital transmission, causing a mismatch that results in signal degradation and reduction in picture quality. The data on the right shows that the 75Ω connectors outperform the 50Ω in terms of VSWR, Thirty-centimeter long cables with both BNC ends are used to generate the data.



Material Used / Finish

General		Material	Finish
Body		Zinc alloy or Brass	Ni plating
Insulator		PTFE	White
Contacts	Male	Brass	Gold plating
	Female	Beryllium copper	Gold plating

Interface Dimension



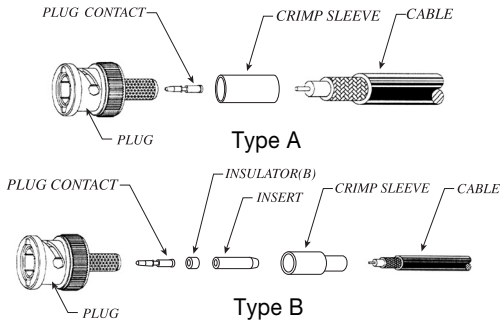
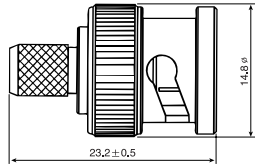
1GHz and 3GHz Compared



Boot color code

BK - Black	BU - Blue	BR - Brown
GY - Grey	GN - Green	OR - Orange
PR - Purple	RD - Red	WH - White
YE - Yellow		

BNC Plugs

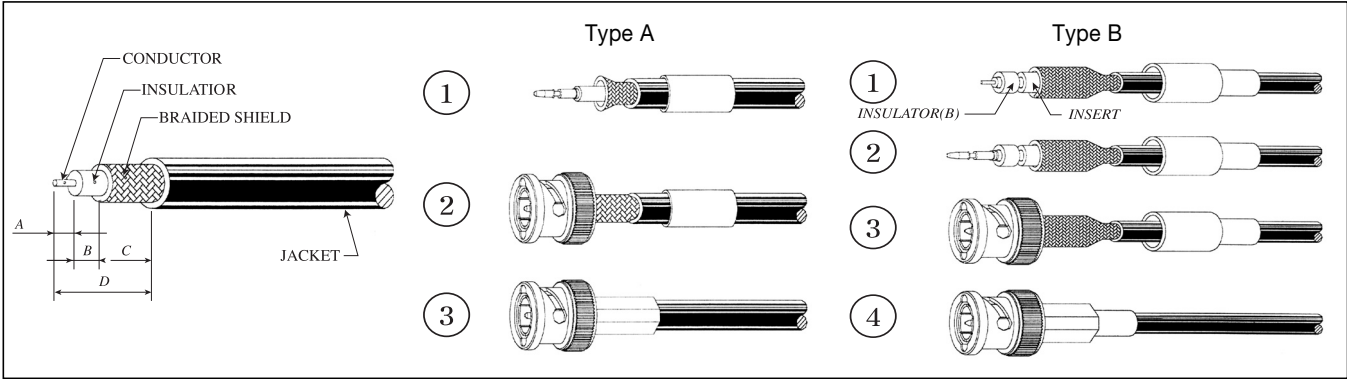


No.	Product Number	Cable Type	Frequency	Cable Stripping(mm)				Assembly Type
				A	B	C	D	
1	BNCC-PC-59U-3	RG59/U, Belden 1505A	3	3	3	9	15	B
2	BNCC-PC-179U-3	RG179/U	3	3	4	8	15	B
3	BNCC-PC-1855A-3	Belden 1855A	3	3	3	9	15	A

Cable code can be customized according to customer request.

Cable Assembly Instruction

- Use above cable stripping dimensions



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

Crimp Tools



Sam Woo Tool (SW-HT)



Tool Die



Canare Tool (TC-1)

Tool	Color of Handles	Tool Die	A		B		C		D		E	
			5,87		1,36		6,48		1,59		5,41	
SW-HT	Red	HTD-02										
		TCD-5CFB										
TC-1	Blue	TCD-7CA										

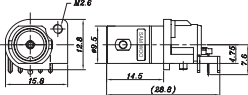
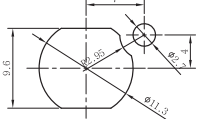
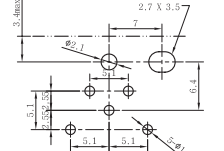
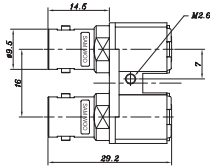
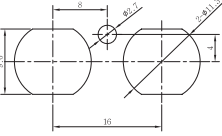
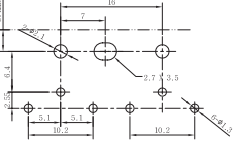
No.	Product Number	Cable Type	Die Spec(mm)					Tool	Tool Die	Tool Maker
			Sleeve			Contact				
			A	C	E	B	D			
1	BNCC-PC-1,5C-1	1,5C 2V			●	●		SW-HT	HTD-02	Sam Woo
2	BNCC-PC-2,5C-1	2,5C 2V	●			●		SW-HT	HTD-02	Sam Woo
3	BNCC-PC-3C-1	3C 2V	●			●		SW-HT	HTD-02	Sam Woo
4	BNCC-PC-5C-1	5C 2V		●		●				
5	BNCC-PC-6CHF-1	6CHFB		●		●		TC-1	TCD-7CA	Canare
6	BNCC-PC-7C-1	7C 2V								
7	BNCC-PC-7CHF-1	7CHF		●			●	TC-1	TCD-7CA	Canare
8	BNCC-PC-6-1	RG6/U								
9	BNCC-PC-59U-1	RG59/U, Belden 1505A		●			●	SW-HT	HTD-02	Sam Woo
10	BNCC-PC-179U-1	RG179/U			●	●		SW-HT	HTD-02	Sam Woo
11	BNCC-PC-1,5C-3	1,5C 2V			●	●		SW-HT	HTD-02	Sam Woo
12	BNCC-PC-2,5C-3	2,5C 2V	●			●		SW-HT	HTD-02	Sam Woo
13	BNCC-PC-3C-3	3C 2V	●			●		SW-HT	HTD-02	Sam Woo
14	BNCC-PC-5C-3	5C 2V								
15	BNCC-PC-6CHF-3	6CHFB		●			●	TC-1	TCD-7CA	Canare
16	BNCC-PC-7CHF-3	7CHF		●			●	TC-1	TCD-7CA	Canare
17	BNCC-PC-59U-3	RG59/U, Belden 1505A		●			●	SW-HT	HTD-02	Sam Woo
18	BNCC-PC-179U-3	RG179/U			●	●		SW-HT	HTD-02	Sam Woo
19	BNCC-PC-1855A-3	Belden 1855A		●		●		SW-HT	HTD-02	Sam Woo
20	BNCC-PC-VK2-4	Percon VK2			●	●		SW-HT	HTD-02	Sam Woo
21	BNCC-PC-VK5/0,6-3	Percon VK5/0,6			●	●		SW-HT	HTD-02	Sam Woo
22	BNCC-PC-VK6/0,8-3	Percon VK6/0,8			●	●		SW-HT	HTD-02	Sam Woo
23	BNCC-PC-VK7/1,0-3	Percon VK7/1,0		●		●		TC-1	TCD-5CFB	Canare
24	BNCC-PC-VK9-3	Percon VK9		●		●		TC-1	TCD-5CFB	Canare

Major Performance

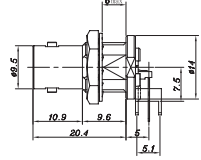
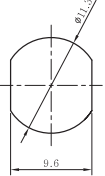
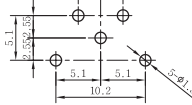
Up to 3GHz

Product Number	Description	Stud position	Panel Mount	V.S.W.R
BNCC-JPR-LPCB	Right angle	Horizontal	Front : M2,6 screw	Up to 1GHz : 1,1 or less Up to 3GHz : 1,2 or less
BNCC-2JPR-LPCB	Right angle,Dual Jack	Horizontal	Front : M2,6 screw	Up to 1GHz : 1,1 or less Up to 2,5GHz : 1,2 or less
BNCC-JBR-LPCB	Right angle,Low-cost	Vertical	Front : Hex nut & lock washer	Up to 1GHz : 1,1 or less Up to 2,5GHz : 1,2 or less

75 Ω BNC PCB Mount Receptacle Screw type

Product Number	Picture	Drawing	Panel hole layout	PCB hole layout
BNCC-JPR-LPCB			 Screw M2,6 t:1,6mm max	 Screw M2,6 t:2,0mm max
BNCC-2JPR-LPCB			 Screw M2,6 t:1,6mm max	 Screw M2,6 t:1,6mm max

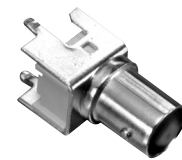
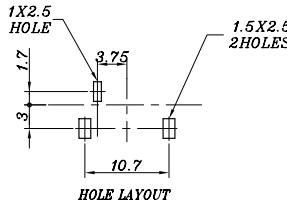
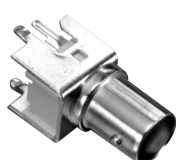
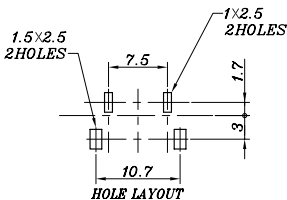
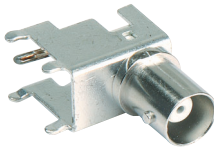
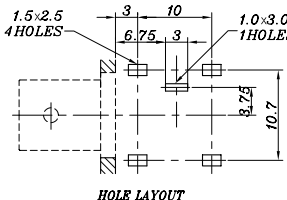
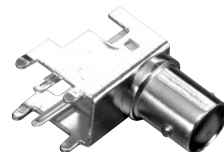
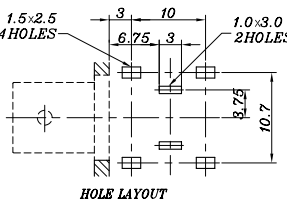
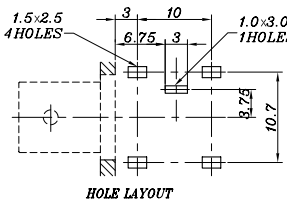
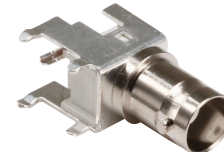
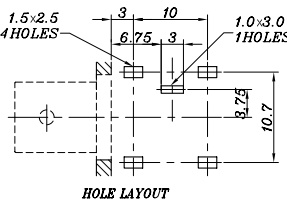
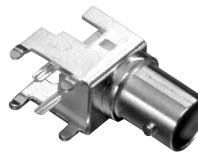
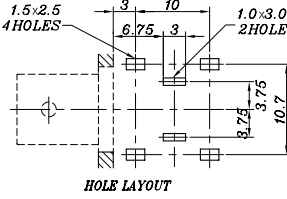
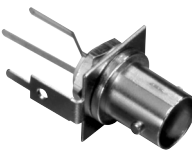
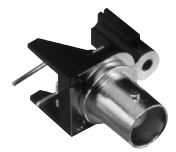
75 Ω BNC PCB Mount Receptacle Hexagonal Nut type

Product Number	Picture	Drawing	Panel hole layout	PCB hole layout
BNCC-JBR-LPCB			 t:2,0mm max	 t:2,0mm max

* Note : Please avoid any cleaning soldering. This occurs to insulation problem.

BNC Receptacles

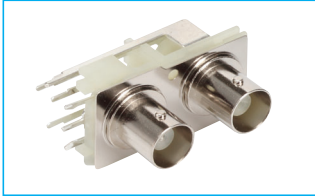
Up to 750MHz

SW-2497B-PCB		SW-2520B-PCB			
					
Vertical w/o Switch		Vertical with Switch			
SW-2639B-LPCB		SW-2521B-LPCB			
					
Horizontal w/o Switch		Horizontal with Switch			
SW-2635B-LPCB		SW-2645B-LPCB			
					
Horizontal w/o Switch (Short)		Horizontal w/o Switch (Short, Brass)			
SW-2584B-LPCB		BNC-RB-2P		BNC-PCL	
					
Horizontal with Switch (Short)		Bulkhead with Switch		Horizontal w/o Switch	

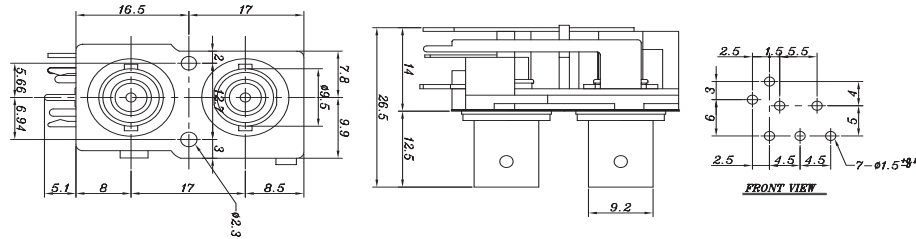
Major Performance

Up to 750MHz

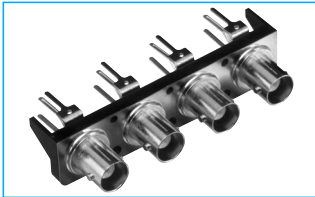
BNC2-P/B



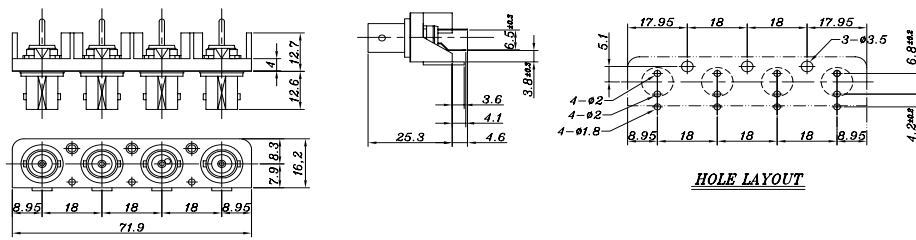
Vertical with 2 Switches



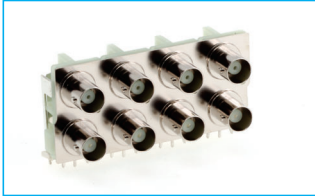
BNC4-P/B



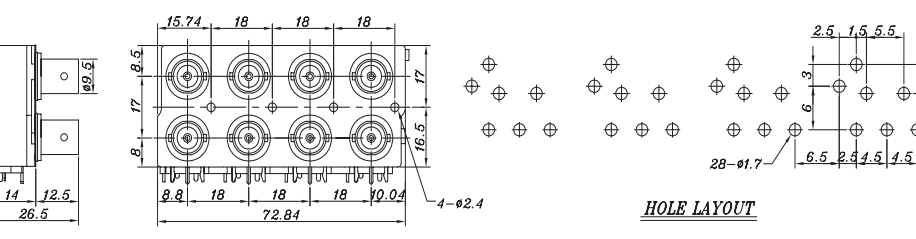
Vertical with 4 Switches



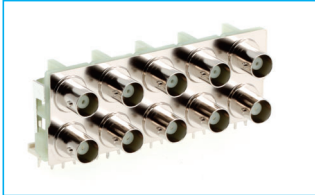
BNC8-P/B



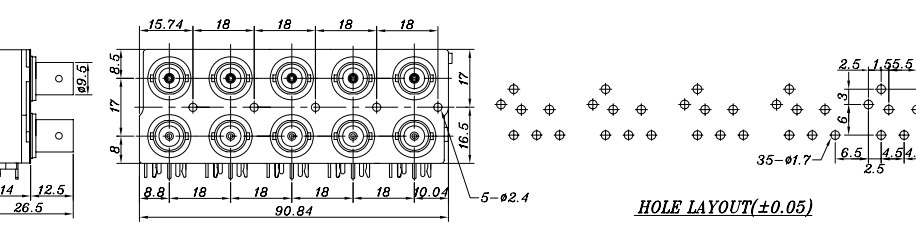
Vertical with 8 Switches



BNC10-P/B



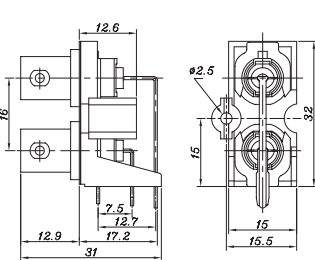
Vertical with 10 Switches



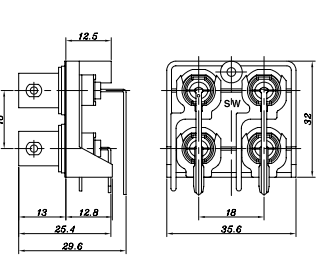
BNC Receptacles

Up to 750MHz

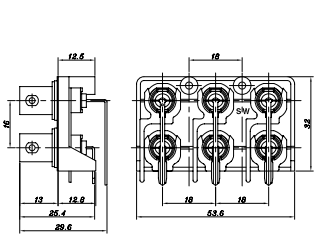
BNC2-P/B (N/S)



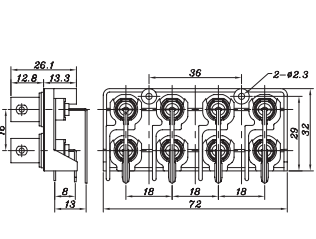
BNC4-P/B (N/S)



BNC6-P/B (N/S)



BNC8-P/B (N/S)

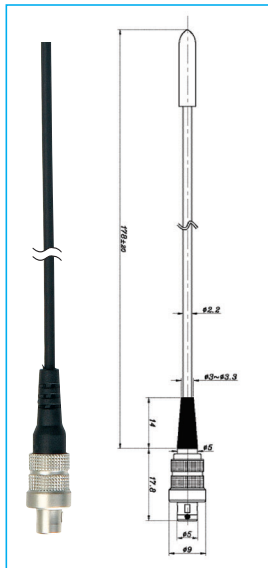


BNC10-P/B (N/S)



BNC12-P/B (N/S)





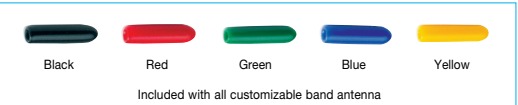
SPB-450-Super miniature antenna

The SPB-450 is one of the versatile antenna series customizable from a bandwidth of 400MHz to 900MHz. This new 1/4 wavelength whip antenna brings wireless applications to a new paradigm.

- 1/4 Wavelength Whip antenna
- Customizable band using cutting chart
- 400MHz ~ 900MHz
- Sam Woo's High-quality SPB connector

Electrical Performance	Specifications
Frequency Range	400MHz~900MHz
Nominal Impedance	50 Ω
Radiation Pattern	Omni directional
Polarization	Vertical
V.S.W.R	Less than 2.0:1
Gain	0dB

Mechanical Performance	Specifications
Radiator	SuS
Base Material	PVC
Sleeve Material	Urethan
Cap Material	PVC
Antenna Length	~1780mm
Operating Temperature	-30℃ ~ + 70℃



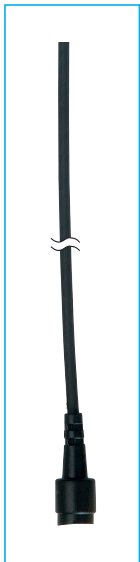
Bare SPB plug and receptacle also available.
For more information on Circular Connectors refer to p. 39.



SPB-00PT1



SPB-00RT1



SSMAP-450

- 1/4 Wavelength Whip Antenna
- Customizable band using cutting chart
- 400MHz~900MHz
- SSMA connector
- Cap(s) included

Electrical Performance	Specifications
Frequency Range	400MHz~900MHz
Nominal Impedance	50 Ω
Radiation Pattern	Omni directional
Polarization	Vertical
V.S.W.R	Less than 2.0:1
Gain	0dB

Mechanical Performance	Specifications
Radiator	SuS
Base Material	PVC
Sleeve Material	Urethan
Cap Material	PVC
Antenna Length	~1780mm
Operating Temperature	-30℃ ~ + 70℃

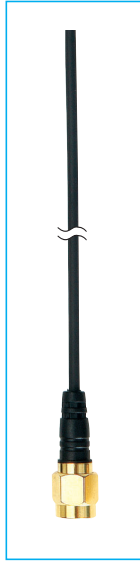


SPU-450

- 1/4 Wavelength Whip Aantenna
- Customizable band using cutting chart
- 400MHz~900MHz
- SPU connector(also available with SPU recetpacle)
- Cap(s) included

Electrical Performance	Specifications
Frequency Range	400MHz~900MHz
Nominal Impedance	50 Ω
Radiation Pattern	Omni directional
Polarization	Vertical
V.S.W.R	Less than 2.0:1
Gain	0dB

Mechanical Performance	Specifications
Radiator	SuS
Base Material	PVC
Sleeve Material	Urethan
Cap Material	PVC
Antenna Length	~1780mm
Operating Temperature	-30℃ ~ + 70℃

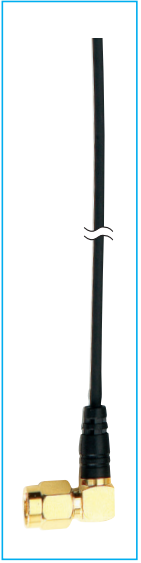


SMAP-450

- 1/4 Wavelength Whip Antenna
- Customizable band using cutting chart
- 400MHz~900MHz
- SMA connector
- Cap(s) included

Electrical Performance	Specifications
Frequency Range	400MHz~900MHz
Nominal Impedance	50 Ω
Radiation Pattern	Omni directional
Polarization	Vertical
V.S.W.R	Less than 2.0:1
Gain	0dB

Mechanical Performance	Specifications
Radiator	SuS
Base Material	PVC
Sleeve Material	Urethan
Cap Material	PVC
Antenna Length	~1780mm
Operating Temperature	-30℃ ~ + 70℃

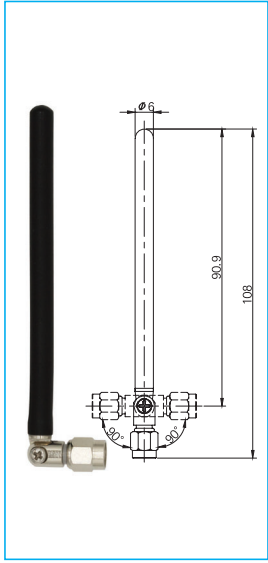


SMALP-450

- 1/4 Wavelength Whip Antenna
- Customizable band using cutting chart
- 400MHz~900MHz
- Right-angle SMA connector
- Cap(s) included

Electrical Performance	Specifications
Frequency Range	400MHz~900MHz
Nominal Impedance	50 Ω
Radiation Pattern	Omni directional
Polarization	Vertical
V.S.W.R	Less than 2.0:1
Gain	0dB

Mechanical Performance	Specifications
Radiator	SuS
Base Material	PVC
Sleeve Material	Urethan
Cap Material	PVC
Antenna Length	~1780mm
Operating Temperature	-30℃ ~ + 70℃

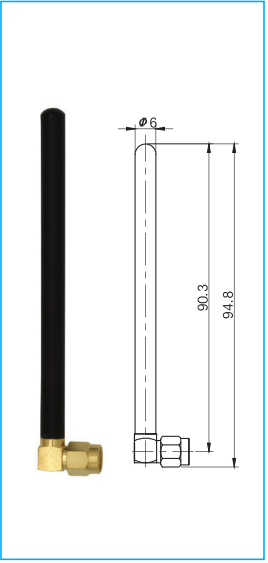


SMAP-434

- 1/4 Wavelength Monopole Antenna
- 180° Tilting Helical or Whip Type
- Available with other connectors

Electrical Performance	Specifications
Frequency Range	420~440MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	0dBi

Mechanical Performance	Specifications
Radiator	SWC / Cu
Base Material	KEYFLEX
Connector	SMA MALE
Antenna Length	~108mm
Operating Temperature	-30℃ ~ + 70℃



SMALP-434

- 1/4 Wavelength Monopole Antenna
- 90° Fixed Helical or Whip Type
- Available with other connectors

Electrical Performance	Specifications
Frequency Range	420~440MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	0dBi

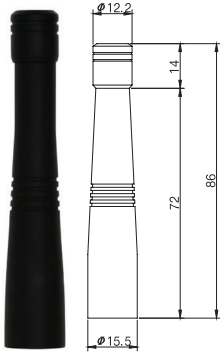
Mechanical Performance	Specifications
Radiator	SWC / Cu
Base Material	KEYFLEX
Connector	SMA MALE
Antenna Length	~108mm
Operating Temperature	-30℃ ~ + 70℃

SMAP-447

- 1/2 Wavelength Spike Antenna
- Designed for Outdoor Use

Electrical Performance	Specifications
Frequency Range	400~500MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 1.5:1
Gain(dBi)	2dBi

Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	BRASS / ACETAL
Connector	SMA MALE
Antenna Length	~330mm
Operating Temperature	-30℃ ~ + 70℃

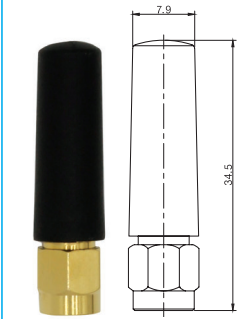


SMAP-ANT-925S

- 1/2 Wavelength Helical Antenna
- High Gain
- 900Mhz Band

Electrical Performance	Specifications
Frequency Range	900MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	2dBi

Mechanical Performance	Specifications
Radiator	SWC / Cu
Base Material	KEYFLEX
Connector	SMA MALE
Antenna Length	~86mm
Operating Temperature	-30℃ ~ + 70℃

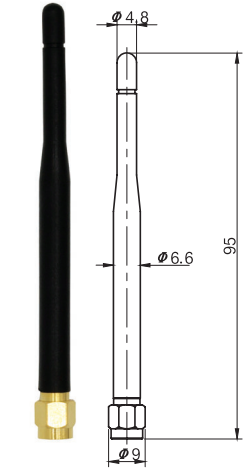


SMAP-2400-1

- 1/4 Wavelength Helical Antenna
- 2400MHz Band

Electrical Performance	Specifications
Frequency Range	2400~2500MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	0dBi

Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	KEYFLEX
Connector	SMA MALE
Antenna Length	~34.5mm
Operating Temperature	-30℃ ~ + 70℃



SMAP-1800

- 1/2 Wavelength Dipole Antenna
- 1800MHz Band

Electrical Performance	Specifications
Frequency Range	1170~1990MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	2dBi

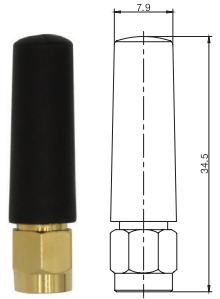
Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	KEYFLEX
Connector	SMA MALE
Antenna Length	~95.0mm
Operating Temperature	-30℃ ~ + 70℃

SMAP-900-1

- 1/4 Wavelength Helical Antenna
- 900Mhz Band

Electrical Performance	Specifications
Frequency Range	824~960MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	0dBi

Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	KEYFLEX
Connector	SMA MALE
Antenna Length	~34.5mm
Operating Temperature	-30℃ ~ + 70℃

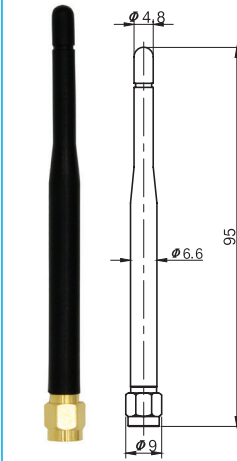


SMAP-1800-1

- 1/4 Wavelength Helical Antenna
- 1800MHz Band

Electrical Performance	Specifications
Frequency Range	1710~1990MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	0dBi

Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	KEYFLEX
Connector	SMA MALE
Antenna Length	~134.5mm
Operating Temperature	-30℃ ~ + 70℃

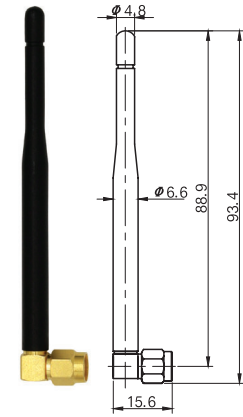


SMAP-2400

- 1/2 Wavelength Dipole Antenna
- 2400MHz Band

Electrical Performance	Specifications
Frequency Range	2400~2500MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	2dBi

Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	KEYFLEX
Connector	SMA MALE
Antenna Length	~95.0mm
Operating Temperature	-30℃ ~ + 70℃

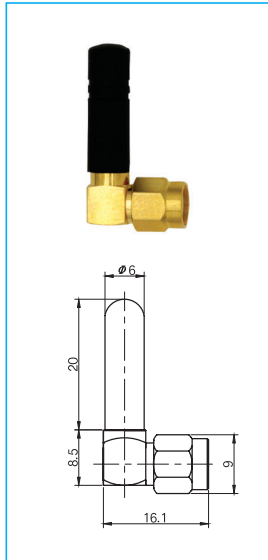


SMALP-1800

- 1/2 Wavelength Dipole Antenna
- 90° Fixed 1800MHz Band

Electrical Performance	Specifications
Frequency Range	1170~1990MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	2dBi

Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	KEYFLEX
Connector	SMA MALE
Antenna Length	~93.4mm
Operating Temperature	-30℃ ~ + 70℃

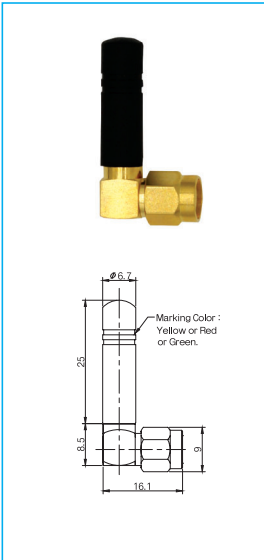


SMALP-2400

- 1/2 Wavelength Dipole Antenna
- 90° Fixed 2400 MHz Band

Electrical Performance	Specifications
Frequency Range	2350~2600MHz
Center Frequency	2.45GHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	1.6dBi

Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	KEYFLEX
Connector	RP-SMA
Antenna Length	~93.4mm
Operating Temperature	-30℃ ~ + 70℃

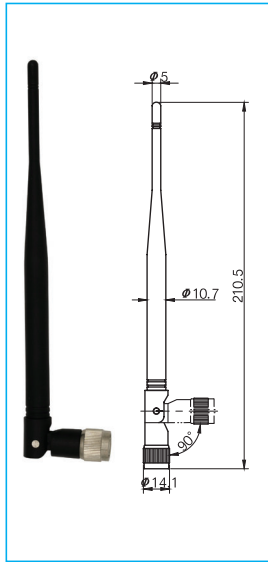


SMAP-2400T

- 90° Tilting 2400MHz Band
- High Gain

Electrical Performance	Specifications
Frequency Range	2350~2600MHz
Center Frequency	2.45GHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	1.6dBi

Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	KEYFLEX
Connector	RP-SMA
Antenna Length	~33.5mm
Operating Temperature	-30℃ ~ + 70℃



TNCP-800

- 1/2 Wavelength Dipole Antenna
- 90° Tilting 800MHz Band

Electrical Performance	Specifications
Frequency Range	824~894MHz
Nominal Impedance	50 Ω Normal ± 10
Radiation Pattern	Omni-directional
Polarization	Linear Vertical
V.S.W.R	Less Than 2.0:1
Gain(dBi)	2dBi

Mechanical Performance	Specifications
Radiator	SWC / Ni
Base Material	KEYFLEX / LUMIDE
Connector	TNC MALE
Antenna Length	~210.5mm
Operating Temperature	-30℃ ~ + 70℃



D-tap



Features

- SW-DTAP-2P
- SW-DTAP-2J
- Standard and Custom Design

Applications

- Power LED Light
- LCD Monitor
- HDV
- Power Supply
- Battery Power

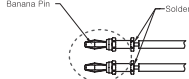


Major Performance

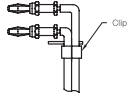
No	Item	Standard Data
1	Working Temperature	-25℃ ~ + 85℃
2	Rated Current	10A Max(DC)
3	Test voltage	300V(DC)
4	Contact Resistance	10m Ω (Max)
5	Insulation Resistance	10MΩ , 300V min

Cable Assembly Instruction

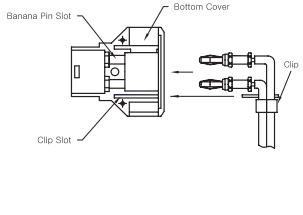
1. Solder Cable to Banana Pin.



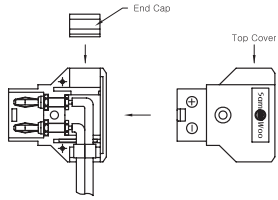
2. Crimp Clip on Cable.



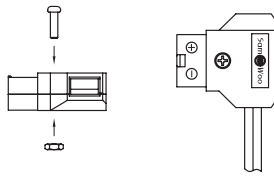
3. Slide Banana Pin and Clip into Corresponding Slots.



4. Close with Top Cover and End Cap.



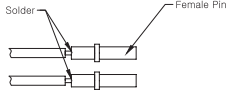
5. Insert screw through Top Cover and tighten with nut to complete.



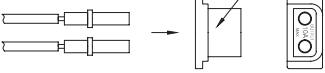
SW-DTAP-2P

Cable Assembly Instruction

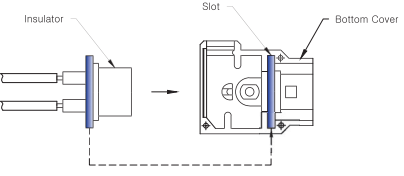
1. Solder the cable to the Female pin.



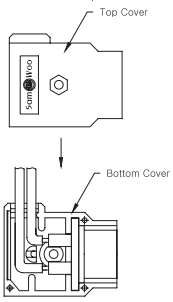
2. Insulator에 Female Pin 삽입,
Slide Female Pin in to Insulator.



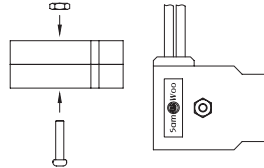
3. Bottom Cover에 Insulator를 slot에 삽입.
Slide Insulator into slot.



4. Top Cover 결합
Close with the Top Cover



5. Insert the screw through the Top Cover and
tighten with nut to complete.



SW-DTAP-2J



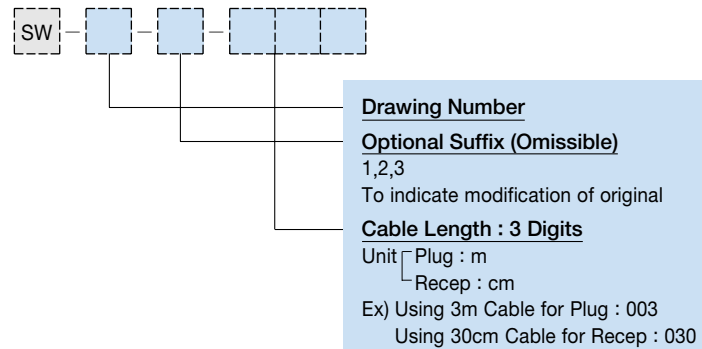
Features

- SW-DTAP-2P
- SW-DTAP-2J
- Standard and Custom Design

Applications

- Power LED Light
- LCD Monitor
- HDV
- Power Supply
- Battery Power

Part Numbering



Cable Assembly



Type	Construction
A	D-tap + Cable + Other Connector

※ Design and Customization Service Available



Full range of MANUFACTURING and ASSEMBLY SOLUTIONS for Transmitters & Receivers

- Superior quality aluminum cases
- Injection molding for high volume production
- Premier provider of PCB Boards and connectors fully assembled
- Antennas for all of your mobile applications
- Wide variety of custom cable manufacturing and wire harness assembly
- Compliance Certification

Machined Parts Customized Design

- Designing Capabilities
- High Quality Finish



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