

Pauslong

circular connector

SHENZHEN SHENGHONGYUE
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-Professional Precise Circular Connector Manufacturer & Exporter

PUSH-PULL METAL CONNECTOR CATALOG



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Pauslong

circular connector

We supply push-pull self-locking circular connector, threaded circular connector, hybrid circular connector and customized connector cable

Connector is a small part with relatively simple function, but it plays an important role in connecting in all fields. It connects two active devices to transmit current or signal, it is widely used in medical, aviation, aerospace, data and communications, test and measurements, national defense and other military systems.



CONTENTS

01 About

Chapter 1 Company Profile	01
Chapter 2 Company Advantages	03
Chapter 3 Connectors Profile	05

02 Metal Circular Connector

Chapter 1 B series (IP50, IP68)	07
Chapter 2 K series (outdoor)	21
Chapter 3 S series (half-moon insert)	28
Chapter 4 C series (IP50-68, interchange with B series)	36
Chapter 5 F series (Half shell key)	40
Chapter 6 U series (outdoor)	50
Chapter 7 T series (outdoor)	56
Chapter 8 W/CS series (Deep-water)	61
Chapter 9 2C series (Length<30 mm)	65

03 Connector Info.

Chapter 1 Cores configuration	69
Chapter 2 Circuit board opening size	80
Chapter 3 Panel board opening size	89
Chapter 4 Bend relief, cable clamp, dust cap	90
Chapter 5 Assembly method	98
Chapter 6 Coaxial & Hybrid connector	104
Chapter 7 Customized connector cable	107

Applications:



COMPANY PROFILE

R&D and Production:

We are a high-precision connector manufacturer integrating R&D, production and sales. We have strong technical force, excellent processing equipment and perfect inspection equipment. We are committed to the R&D and production of high-quality precision connectors and cable assembly. The products are diversified, superior performance and reliable in quality, reaching the international advanced level. At the same time, the product has good compatibility with most products in the world. The products are widely used in medical equipment, mechanical equipment, audio and video, detection and measurement, communication electronics, military industry, aerospace, artificial intelligence, automation equipment, ships, automobiles, power supply and other fields.

Customized Service:

We provide customized services for special industrial applications and specific needs, and provide customers with cost-effective professional connector application solutions and technical service support. We use leading industry technology, have an excellent R&D team, and adhere to the scientific management concept to achieve a perfect leap forward and industrialized production capacity to meet market demand.

Corporate culture:

Adhering to the enterprise tenet of "honest operation, inclusive, people-oriented, and pursuit of excellence", the company focuses on product research and development and production. We will work with you to create a better future with high-quality technical services, reasonable prices, and a perfect service system.

COMPANY ADVANTAGE



Professional Team

We have an experienced, professional and reliable management and technical team, which can provide a complete set of connector cable design and selection

Pre-sales & After-sales

Our team has excellent technical consulting ability, can provide customers with good pre-sales and after-sales services, provide customers with high-quality products at the same time with fast delivery, high cost performance, and win the support and trust of many customers

Quality Certificates

Connectors and cable components designed, manufactured and sold by us have passed ISO9001 and CE ROHS certificates

Personalized Scheme

Our team is committed to providing customers with innovative personalized solutions, incorporating the requirements of customers' professional connection solutions into the project management system. Customized connectors and cables are drawn by CAD software and approved by customers before formal production

A connector is a coupling device that connects electrical terminals to form a circuit. Connectors can be used to connect wires, cables, printed circuit boards and electronic components. We design and manufacture a variety of connector product combinations that can reliably transmit data, power and signals in the most demanding environments and extreme use cases.

Our connectors can achieve higher performance while reducing application scale and power consumption. Audio and video connectors can provide enhanced circuit board retention and EMI shielding capabilities. Push pull self-locking connector no longer requires welding; Plug in connections can be terminated without tools. In our connector portfolio, we provide powerful solutions to improve connectivity of critical systems.

Connector Application Field:

Connectors are widely used in dental instruments, scanning instruments, pacemakers, hearing aids, electrical surgery equipment, sensors, beauty instruments and other medical equipment. The sealing characteristics of the connector can be used in humid environments, and the flexible sealing pipe and sealing ring can be used in harsh environments. Connectors provide connectivity solutions for industrial cameras and control equipment, audio equipment, wireless microphones and microwave transmission of live broadcast, studios, movies, television, radio broadcasting equipment, drama and music and other types of applications.

Connectors provide complete EMC/EMI shielding products for data communication equipment, headphones, antennas and microphones, speakers, stage lighting, LED displays, electromechanical engineering, precision instruments and other types of equipment.



Connector Profile :

The push-pull self-locking system is famous for its simple and fast plug and pull mode, which is very effective in anti vibration/impact; It can effectively prevent the disconnection caused by pulling the cable, and it is safe and reliable to use, which is conducive to the realization of plugging and unplugging with very limited space.

The circular connector adopts this push-pull self-locking structure. This product is widely used in communication electronics medical equipment, instruments and meters, and realizes the connection of electrical signals, especially for the electrical signal connection on instruments and meters that need to be frequently connected to separate shielding.

Features:

- 1. Compact structure, small and beautiful;
- 2. Push pull self-locking structure, simple and fast connection and separation;
- 3. Exquisite self-locking device ensures the reliability of connection;
- 4. Reasonable key position design, with blind insertion function, and multi key position transformation;
- 5. All metal structure, can effectively play a shielding function.

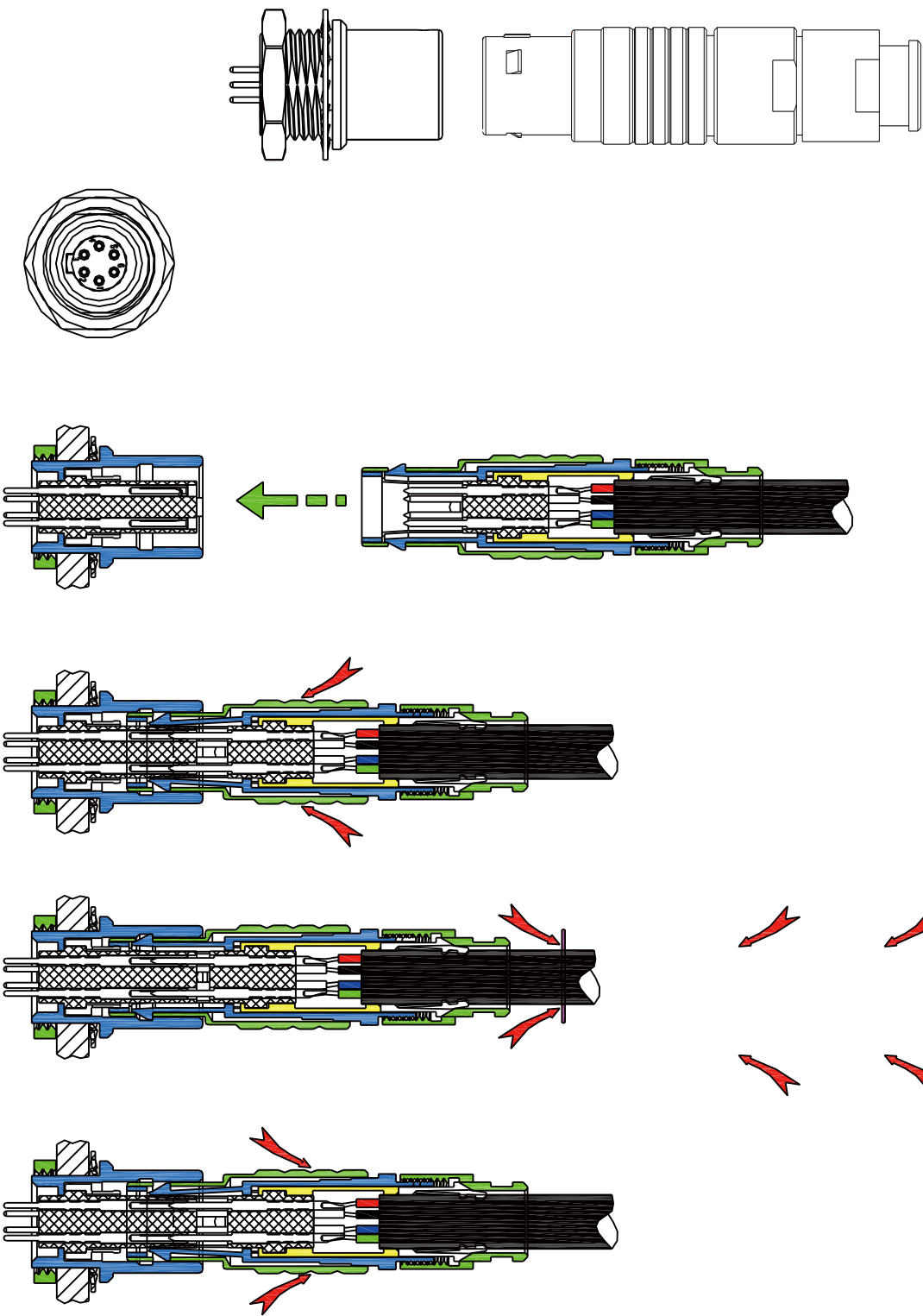
Multiple Choices:

- 1. According to the connection mode: solder or PCB contacts
- 2. According to the installation mode: internal installation, external installation, internal and external installation.
- 3. According to materials: metal or plastic

Materials:

- 1. Generally, brass surface is plated with nickel or pearl chrome or black chrome;
- 2. Insulator materials: PPS, PEEK, PTFE etc;
- 3. Contacts: brass, with gold plated

Product Appearance:





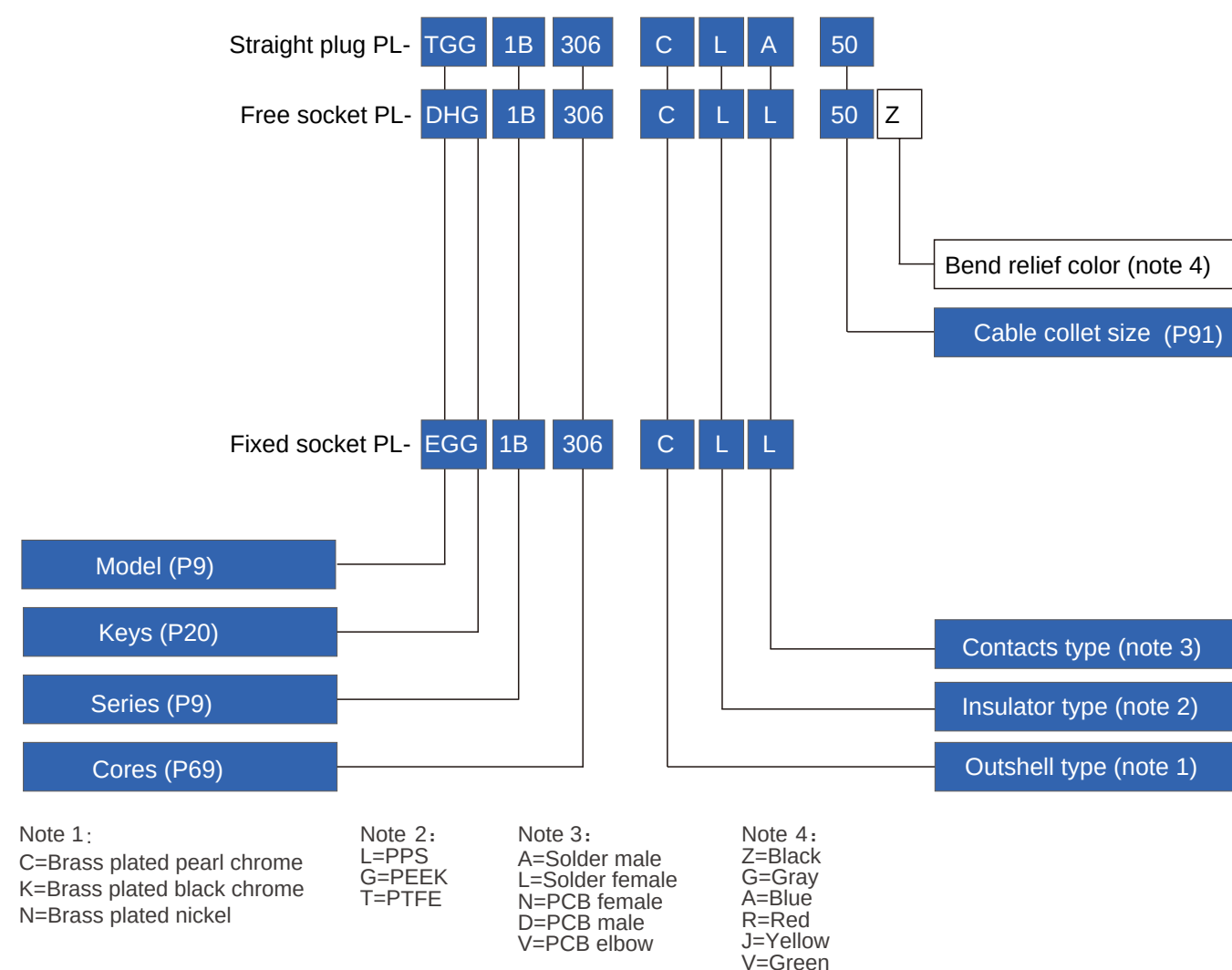
B SERIES:

Main Features:

- Safe push-pull self-locking system.
- Multi core type 2-48 cores.
- Solder and PCB printed core (straight and elbow type).
- High density installation, saving space.
- Multiple key positions are selected to avoid mixing between similar connectors.
- Positioning pin system (G is the standard positioning pin) is used for connector alignment.
- 360 ° shielding to provide all-round EMC protection (electromagnetic interference resistance).



Part number:



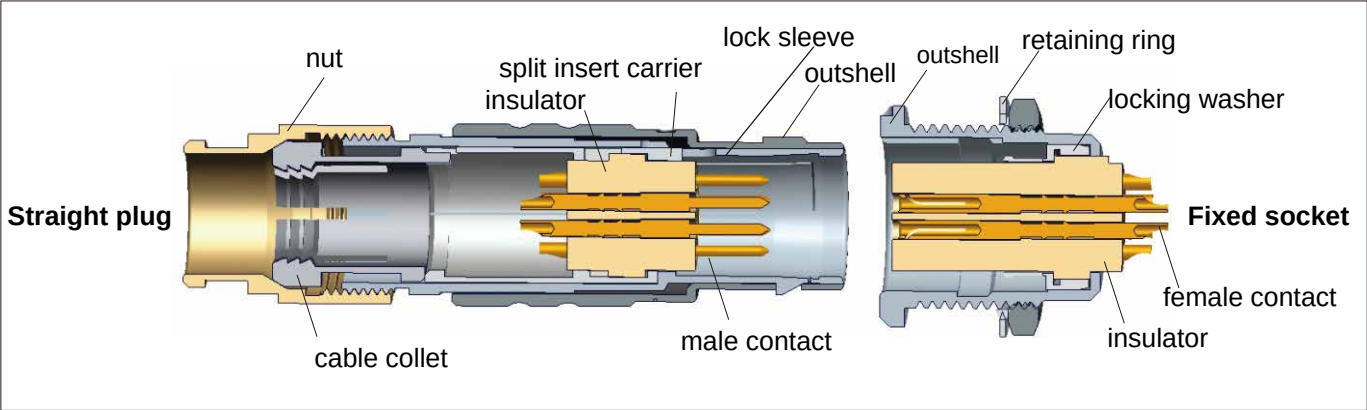
Part number example:

Straight plug:
 PL-TGG.1B.306.CLA50= Straight plug, Key (G), 1B series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder male contacts, cable collet size 5.0mm.

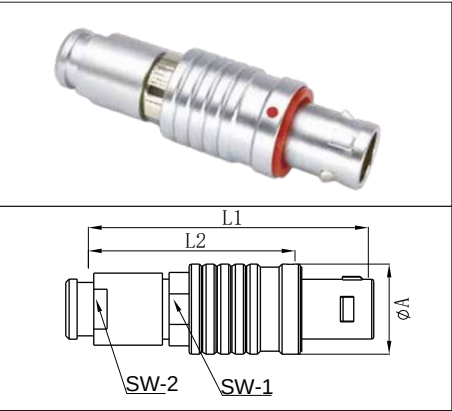
Free receptacle:
 PL-DHG.1B.306.CLL50Z= Free receptacle, key (G), 1B series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts, cable collet 5.0mm, with black bend relief.

Fixed socket:
 PL-EGG.1B.306.CLL= Fixed socket, fixed by nut, key (G), 1B series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts.

Connector structure:

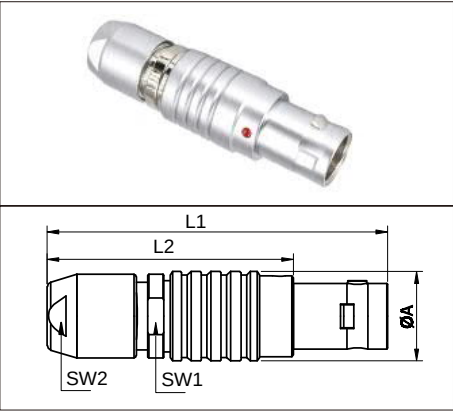


TEG Straight plug, key (G) standard or key (A--M), front sealing, waterproof IP54 when mating



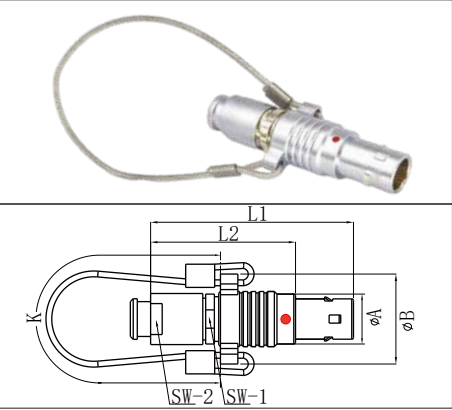
Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
0B	TEG	11	38	28	8	7
1B	TEG	13.5	46	35	10	9
2B	TEG	16.5	48	36	13	13
3B	TEG	19	56	41	16	15

TGG Straight plug, key (G) standard or key (A--M and R), with cable clamp



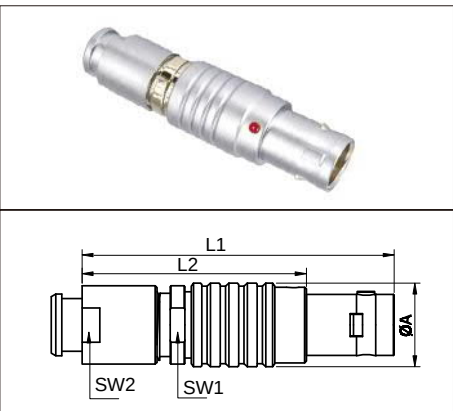
Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
00B	TGG	6.4	28	20	5	5
0B	TGG	9.5	36	26	8	7
1B	TGG	12	43	32	10	9
2B	TGG	15	49	37	13	13
3B	TGG	18	58	43	16	15
4B	TGG	25	74	56	21	20

TNG Straight plug, key (G) standard or key (A--M and R), cable collet and lanyard release



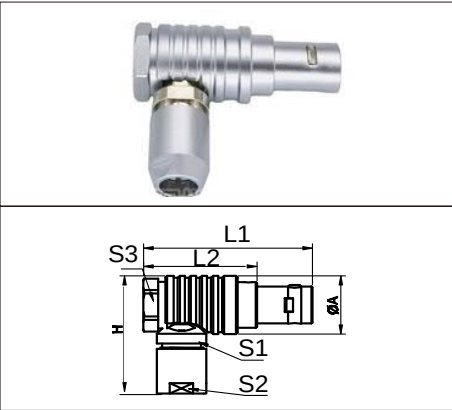
Reference		Dimensions (mm)						
series	model	A	B	L1	L2	K	SW1	SW2
0B	TNG	9.5	15.5	35	25	140	8	7
1B	TNG	12	18	42	31	140	10	9
2B	TNG	15	21	49	37	160	13	13
3B	TNG	18	25	58	43	190	16	15
4B	TNG	25	35.2	74	56	230	21	20

TGG Straight plug, key (G) standard or key (A--M and R), with cable clamp, a nut for fitting bend relief



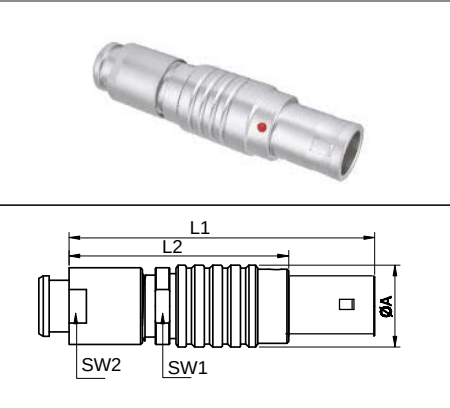
Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
00B	TGG	6.4	28	20	5	5
0B	TGG	9.5	35	25	8	7
1B	TGG	12	42	31	10	9
2B	TGG	15	48	36	13	13
3B	TGG	18	58	43	16	15
4B	TGG	25	74	56	21	20

THG Right-angle plug, key (G) or key (A--M and R), with cable clamp



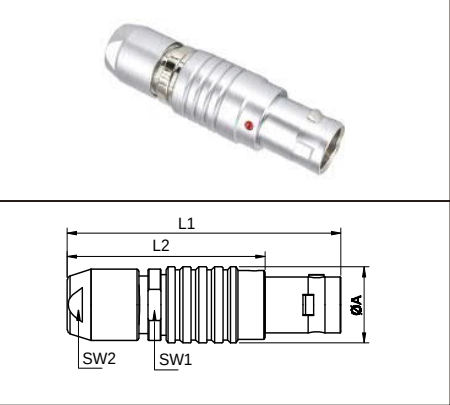
Reference		Dimensions (mm)						
series	model	A	H	L1	L2	SW1	SW2	SW3
00B	THG	7.7	18	24	16	5.5	5	7
0B	THG	10.9	23	31.5	21.5	8	7	10
1B	THG	13.5	27.5	37	27	10	9	12
2B	THG	16.5	34	41.5	29.5	13	13	15.2
3B	THG	19	37	50	35	16	15	17
4B	THG	26	52	67	49	21	20	22

TFG straight plug, non-latching, key (G) standard or key (A--M), with cable clamp



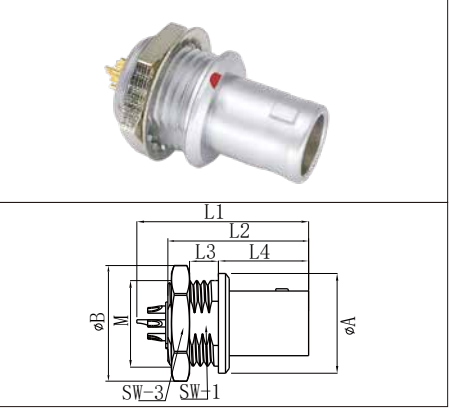
Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
00B	TFG	6.5	27.5	19.5	5.5	5
0B	TFG	9.5	35	25	8	7
1B	TFG	12	42	31	10	9
2B	TFG	15	48	36	13	13
3B	TFG	18	58	43	16	15
4B	TFG	25	74	56	21	20

DGG short straight plug, key (G) standard, with cable clamp



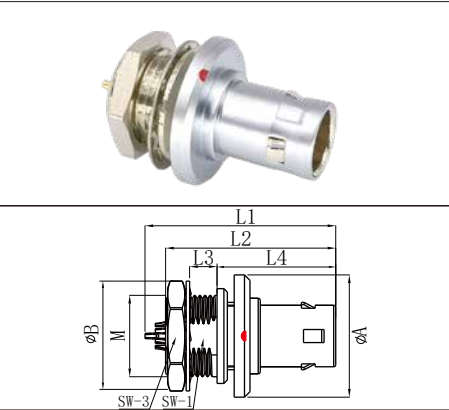
Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
0B	DGG	9.5	32	22	8	7

TAG fixed plug, non-latching, nut fixing, key (G) or key (A--M)



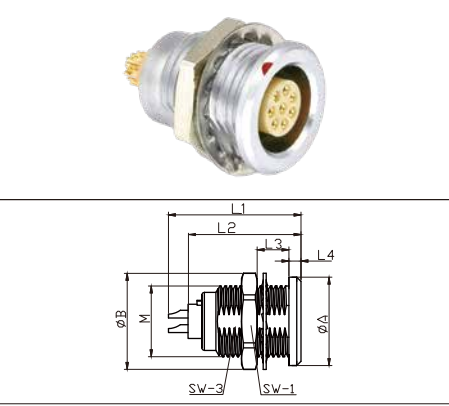
Reference		Dimensions (mm)										panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	SW3		
0B	TAG	10	12.4	M9*0.6	20.8	18.4	4	11.2	8.2	11		SW 8.3/Ø9.1
1B	TAG	14	15.8	M12*1.0	25.2	22.6	5	12.5	10.5	14		SW 10.6/Ø12.1
2B	TAG	18	19.2	M15*1.0	28.7	23.9	6	13.8	13.5	17		SW 13.6/Ø15.1
3B	TAG	21	25	M18*1.0	32	29.1	6	17	16.5	22		SW 16.6/Ø18.1
4B	TAG	29	34	M25*1.0	37	34	7	20.5	23.5	30		SW 23.6/Ø25.1

TWG fixed socket, nut fixing, key (G) or key (A--M)



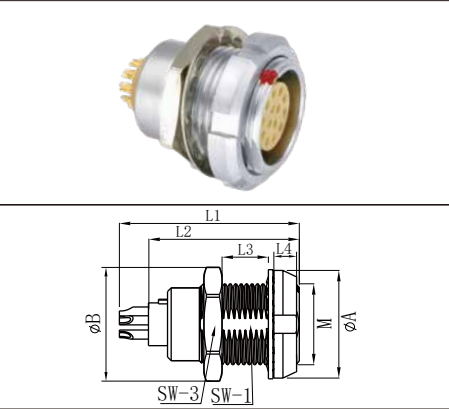
Reference		Dimensions (mm)										panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	SW3		
1B	TWG	18	16	M12*1.0	27.8	24.8	3	14.8	10.5	14		S 10.6/Ø12.1
2B	TWG	19.5	19.2	M15*1.0	28	26	4	18	13.5	17		S 13.6/Ø15.1

EGG fixed socket, nut fixing, key (G) or key (A--M)



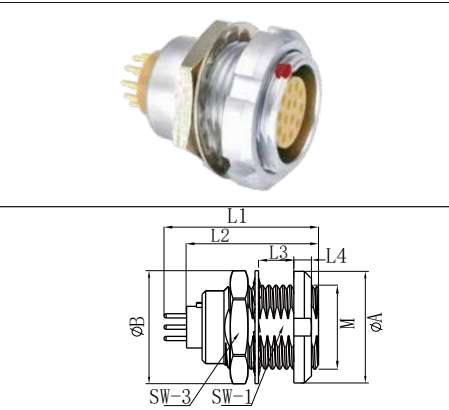
Reference		Dimensions (mm)										panel hole
series	model	A	B	M	L1	L2	L3	L4	SW3	SW1		
00B	EGG	8	10	M7*0.5	15.9	12	6	1	6.3	9		SW 6.4/Ø7.1
0B	EGG	10	12.3	M9*0.6	21.3	18	7	1.2	8.2	11		SW 8.3/Ø9.1
1B	EGG	14	16	M12*1.0	23.2	18.7	7.5	1.5	10.5	14		S10.6/Ø12.1
2B	EGG	18	19.2	M15*1.0	26	20	8.0	2.0	13.5	17		S13.6/Ø15.1
3B	EGG	21	25	M18*1.0	30.7	25	11	2.0	16.5	22		S16.6/Ø18.1
4B	EGG	28	34	M25*1.0	35.2	27	13	2.5	23.5	30		S23.6/Ø25.1

ECG fixed socket, two nuts fixing, key (G) or key (A--M and R)



Reference		Dimensions (mm)										panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	SW3		
00B	ECG	8	10.2	M7*0.5	15.9	13.7	4.5	2.5	6.3	9		SW 6.4/Ø7.1
0B	ECG	12	12.5	M9*0.6	21.3	16.5	5.5	2.5	8.2	11		SW 8.3/Ø9.1
1B	ECG	16	16	M12*1.0	23.2	19.7	6	3.2	10.5	14		S10.6/Ø12.1
2B	ECG	20	19.5	M15*1.0	24.8	20.2	6.5	3.5	13.5	17		S13.6/Ø15.1
3B	ECG	24	25	M18*1.0	30.7	25.8	9	4.5	16.5	22		S16.6/Ø18.1
4B	ECG	30	34	M25*1.0	35	27	11	4.5	23.5	30		S23.6/Ø25.1

ECG fixed socket, two nuts fixing, key (G) or key (A--M and R), PCB contacts.

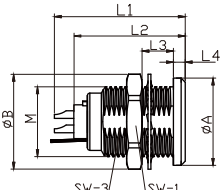


Reference		Dimensions (mm)										panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	SW3		
00B	ECG	10	10.2	M7*0.5	17.7	13.7	4.3	2.5	6.3	9		SW6.4/Ø7.1
0B	ECG	12	12.5	M9*0.6	20.5	16.5	5.5	2.5	8.2	11		SW8.3/Ø9.1
1B	ECG	16	16	M12*1.0	23.7	19.7	6	3.2	10.5	14		S10.6/Ø12.1
2B	ECG	18	19.5	M15*1.0	24.2	20.2	6.5	3.5	13.5	17		S13.6/Ø15.1
3B	ECG	24	25	M18*1.0	29.8	25.8	9	4.5	16.5	22		S16.6/Ø18.1
4B	ECG	30	34	M25*1.0	31	27	11	4.5	23.5	30		S23.6/Ø25.1

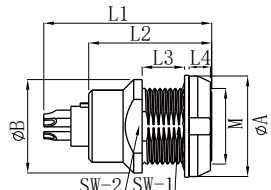
ECG Fixed socket, two nuts fixing, key (G) or keys (A -- M), PCB elbow printed circuit board

		Reference								panel hole 
series	model	A	B	M	L2	L3	L4	SW1	SW3	
00B	ECG	8	10.2	M7*0.5	13.7	2.5	2.5	9	13.7	SW 9.1/Ø7.1
0B	ECG	12	12.5	M9*0.6	16.6	4.5	2.5	8.2	11	SW 8.3/Ø9.1
1B	ECG	16	16	M12*1.0	18.7	6	3.2	10.5	14	S 10.6/Ø12.1
2B	ECG	20	19.5	M15*1.0	18	6.5	3.5	13.5	17	S 13.6/Ø15.1
3B	ECG	23.9	25	M18*1.0	22.5	8	4.5	16.5	22	S 16.6/Ø18.1

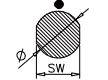
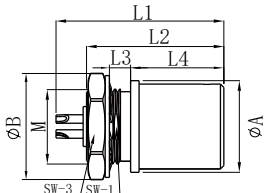
ENG Fixed socket, with grounding pin, nut fixing, key (G) or keys (A -- M and R)

	Reference										panel hole	
	series	model	A	B	M	L1	L2	L3	L4	SW3	SW1	
	00B	ENG	8	10.2	M7*0.5	15.9	16.6	6	1	6.3	9	SW 6.4/Ø7.1
	0B	ENG	10	12.3	M9*0.6	21.3	18	7	1.2	8.2	11	SW 8.3/Ø9.1
	1B	ENG	14	16	M12*1.0	23.2	18.7	7.5	1.5	10.5	14	S10.6/Ø12.1
	2B	ENG	18	19.2	M15*1.0	24.8	20	8	2	13.5	17	S13.6/Ø15.1
	3B	ENG	21	25	M18*1.0	30.7	25	11	2	16.5	22	S16.6/Ø18.1
	4B	ENG	28	34	M25*1.0	35	27	13	4.5	23.5	30	S23.6/Ø25.1

EEG Fixed socket, nut fixing, key (G) or keys (A -- M and R), back panel mounting

												panel hole
												
	series	model	A	B	M	L1	L2	L3	L4	SW1	Sw2	
	00B	EEG	10	8	M7*0.5	15.9	13.7	2.5	2.5	6.3	7.5	SW 6.4/Ø7.1
	0B	EEG	12	10	M9*0.6	22	19	2.5	2.5	8.2	9	SW 8.3/Ø9.1
	1B	EEG	16	14	M12*1.0	24	21	5	3.2	10.5	12	S 10.6/Ø12.1
	2B	EEG	20	18	M15*1.0	27	24	4.5	3.5	13.5	15	S 13.6/Ø15.1
	3B	EEG	25	24	M18*1.0	31	28	9	4.5	16.5	18	S 16.6/Ø18.1

EHG Fixed socket, nut fixing, key (G) or keys (A -- M and R), front projecting.

	Reference											panel hole
	series	model	A	B	M	L1	L2	L3	L4	SW1	SW3	
	00B	EHG	8	10.2	M7*0.5	15.9	13.7	2.0	9.5	6.3	9	SW 6.4/Ø7.1
	0B	EHG	10.8	12.4	M9*0.6	19.8	19	2.0	11	8.2	11	SW 8.3/Ø9.1
	1B	EHG	13.8	16	M12*1.0	22.5	21	4	11.75	10.5	14	S 10.6/Ø12.1
	2B	EHG	18	19.2	M15*1.0	24.8	24.8	5	11.75	13.5	17	S 13.6/Ø15.1
	3B	EHG	21	25	M18*1.0	30.7	30.7	7	16.5	16.5	22	S 16.6/Ø18.1

HGG Fixed socket, nut fixing, key (G) or keys (A -- M and R), vacuum receptacle.

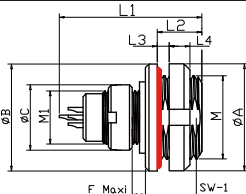
		Reference								panel hole 
series	model	A	B	M	L1	L3	L4	SW1	SW3	
00B	HGG	11	10	M7*0.5	18.6	6	1.5	6.3	9	SW 6.4/Ø7.1
0B	HGG	13	12.7	M9*0.6	22	5.5	3	8.2	11	SW 8.3/Ø9.1
1B	HGG	18	15.8	M12*1.0	26	6	4.5	10.5	14	S10.6/Ø12.1
2B	HGG	20	19.5	M15*1.0	31.6	8	4	13.5	17	S13.6/Ø15.1
3B	HGG	25	25	M18*1.0	36	10	4	16.5	22	S16.6/Ø18.1
4B	HGG	34	34	M25*1.0	43	11	4	23.5	30	S23.6/Ø25.1

HHG Fixed socket, nut fixing, key (G) or keys (A -- M and R), sealed receptacle (IP67 when mating)

		Reference								panel hole 
series	model	A	B	M	L1	L3	L4	SW1	SW3	
0B	HHG	13	12.7	M9*0.6	23	7	4.8	8.2	11	SW 8.3/Ø9.1
1B	HHG	18	15.8	M12*1.0	30	7	5.2	10.5	14	S10.6/Ø12.1
2B	HHG	22	19.5	M15*1.0	35	8	6	13.5	17	S13.6/Ø15.1
3B	HHG	25	25	M18*1.0	41	11	7.2	16.5	22	S16.6/Ø18.1

HCG Fixed socket, nut fixing, key (G) or keys (A -- M and R), sealed receptacle (IP67 when mating)





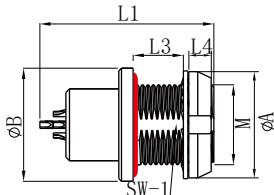
Technical drawing of the HCG connector showing dimensions and labels:

- $\varnothing B$: Outer diameter of the main body.
- $\varnothing C$: Inner diameter of the main body.
- $M1$: Thread specification for the main body.
- M : Thread specification for the nut.
- $\varnothing A$: Outer diameter of the nut.
- $L1$: Total length of the connector.
- $L2$: Length of the main body.
- $L3$: Length of the O-ring groove.
- $L4$: Length of the nut.
- F_Max1 : Maximum force applied to the nut.
- $SW-1$: Torque wrench setting.

Reference		Dimensions (mm)										
series	model	A	B	C	M	M1	L1	L2	L3	L4	SW1	F
0B	HCG	17.9	17.9	12	M14*1.0	M9*0.6	23.2	7.5	3.9	3.5	12.5	1
1B	HCG	20	20	14.5	M16*1.0	M12*1.0	30.3	10	6.2	3.5	14.5	2
2B	HCG	24	24	17.5	M19*1.0	M14*1.0	35.6	11.3	6.7	3.5	17	1.5

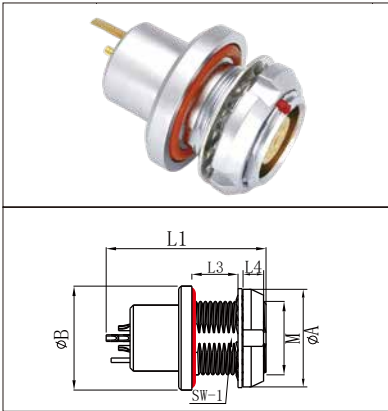
HEG Fixed socket, nut fixing, key (G) or keys (A -- M and R), vacuum receptacle.





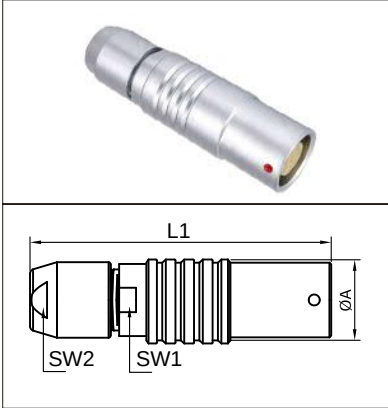
Reference		Dimensions (mm)							panel hole
series	model	A	B	M	L1	L3	L4	SW1	
0B	HEG	12	12.9	M9*0.6	21.5	5	2.5	8.2	SW 8.3/Ø9.1
1B	HEG	16	18	M12*1.0	27	7	3.5	10.5	S 10.6/Ø12.1
2B	HEG	20	20	M15*1.0	37	16	4.5	16.5	S 16.6/Ø15.1

HMG Fixed socket, external nut fixing, key (G) or keys (A...M and R), sealed receptacle with earth lug



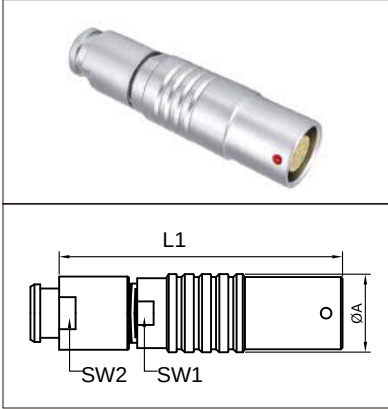
Reference		Dimensions (mm)							panel hole
series	model	A	B	M	L1	L3	L4	SW1	
0B	HMG	10	12	M9*0.6	21.3	5.5	2.5	8.2	SW 8.3/Ø9.1
1B	HMG	14	16	M12*1.0	23.2	5.5	3.5	10.5	S 10.6/Ø12.1
2B	HMG	18	19.2	M15*1.0	24.8	5.5	3.5	13.5	S 13.6/Ø15.1

DHG Free socket, key (G) or keys (A...M and R), cable collet, for connection between cables



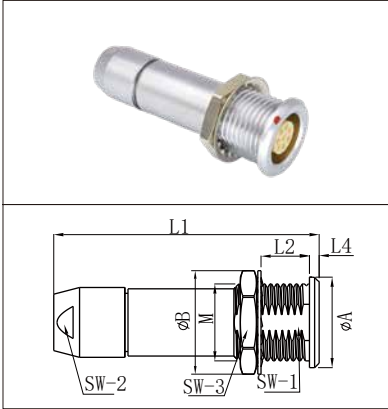
Reference		Dimensions (mm)			
series	model	A	L1	SW1	SW2
00B	DHG	6.8	27.5	5.5	5
0B	DHG	9.5	34	8	7
1B	DHG	11.8	40	10	9
2B	DHG	16.5	48	13	13
3B	DHG	18.8	55	15	15

DHG Free socket, key (G) or keys (A...M and R), cable collet, nut for fitting a bend relief



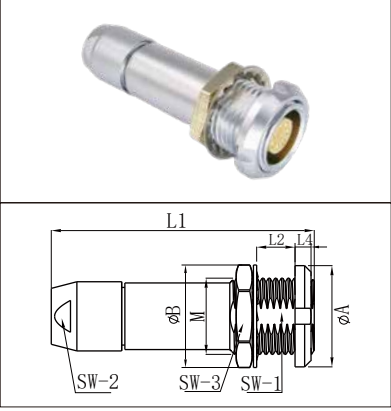
Reference		Dimensions (mm)			
series	model	A	L1	SW1	SW2
00B	DHG	6.8	34	5.5	6
0B	DHG	9.6	35	8	8
1B	DHG	11.8	39.5	10	9
2B	DHG	16.5	47	13	13
3B	DHG	18.8	54.5	15	15

PKG Fixed socket, nut fixing, key (G) or keys (A...M), cable collet



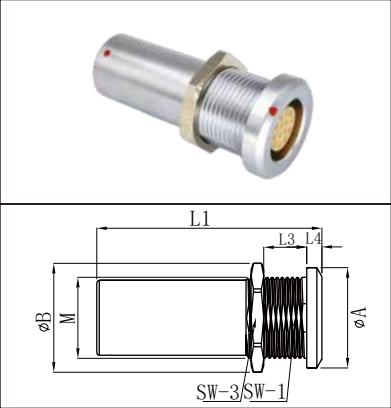
Reference		Dimensions (mm)									panel hole
series	model	A	B	M	L1	L2	L4	SW1	SW2	SW3	
00B	PKG	8	10.2	M7*0.5	25	6.5	1	6.3	5	9	SW 6.4/Ø7.1
0B	PKG	10	12.3	M9*0.6	35.5	7	1.2	8.2	7	11	SW 8.3/Ø9.1
1B	PKG	14	16	M12*1.0	40.5	7.5	1.5	10.5	9	14	S 10.6/Ø12.1
2B	PKG	18	19.2	M15*1.0	47	8.5	1.8	13.5	13	17	S 13.6/Ø15.1
3B	PKG	22	25	M18*1.0	56	11.5	2	16.5	15	22	S 16.6/Ø18.1

PFG Fixed socket, two nuts fixing, key (G) or keys (A...M), cable collet, back panel mounting



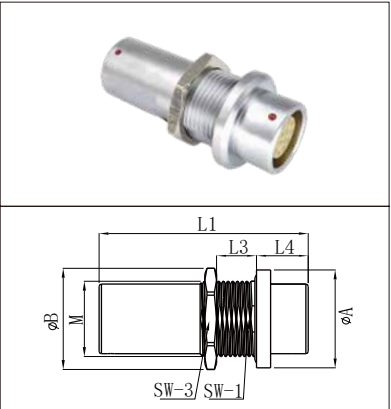
Reference		Dimensions (mm)									panel hole
series	model	A	B	M	L1	L2	L4	SW1	SW2	SW3	
00B	PFG	10	10.2	M7*0.5	26	5.3	2.5	6.3	5	9	S 6.4/Ø7.1
0B	PFG	12	12.5	M9*0.6	35	5	2.5	8.2	7	11	S 8.3/Ø9.1
1B	PFG	16	16	M12*1.0	40	5	3.5	10.5	9	14	S 10.6/Ø12.1
2B	PFG	20	19.2	M15*1.0	47	6.5	3.5	13.5	13	17	S 13.6/Ø15.1
3B	PFG	24	25	M18*1.0	56	9	4.5	16.5	15	22	S 16.6/Ø18.1

RGG Fixed coupler, nut fixing, key (G) or keys (A...M) at the flange end and keys (J, K or M) at the other end



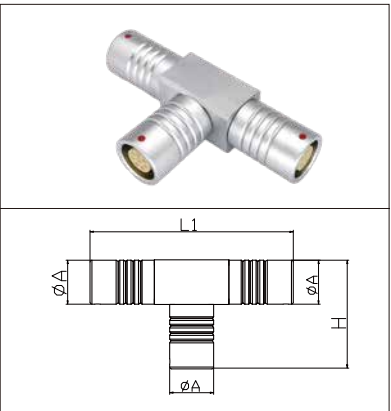
Reference		Dimensions (mm)								panel hole
series	model	A	B	M	L1	L3	L4	SW1	SW3	
2B	RGG	19.2	21.5	M16*1.0	44.5	8	4	15	19	S 15.1/Ø16.1

SGG Fixed two-way, nut fixing, key (G) at flange and other end, vacuum socket



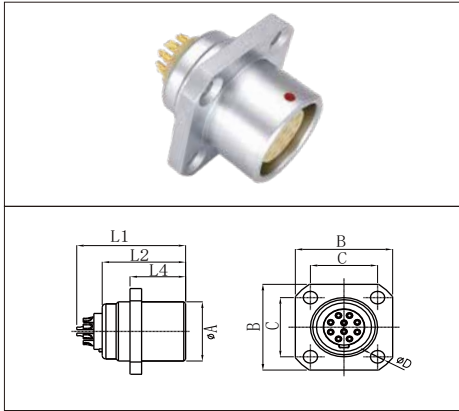
Reference		Dimensions (mm)								panel hole
series	model	A	B	M	L1	L3	L4	SW1	SW3	
2B	SGG	20.8	21.5	M16*1.0	44.5	8	11	15	19	S 15.1/Ø16.1

3TG Free socket, key (G) or keys (A...M), cable collet, for connection between cables



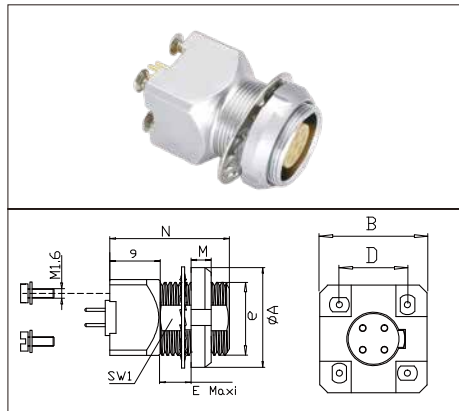
Reference		Dimensions (mm)		
series	model	A	L1	H
1B	3TG	11.8	55	29.4

EDG Fixed socket with square flange, key (G) or keys (A to M), protruding shell



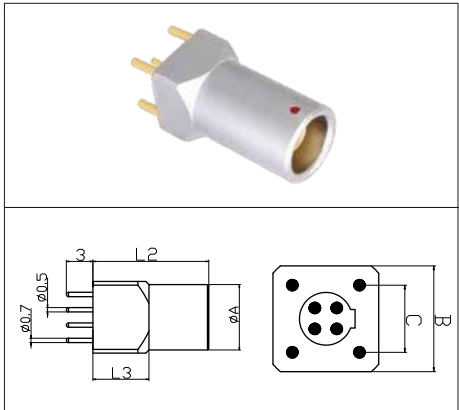
Reference		Dimensions (mm)						
series	model	A	B	C	D	L1	L2	L4
1B	EDG	12	19	12.8	3.2	21.7	18.4	10.3
2B	EDG	14.5	21	14.5	3.2	22.8	19.8	12

EYG straight socket, key (G) or keys (A...M), for printed circuit board.



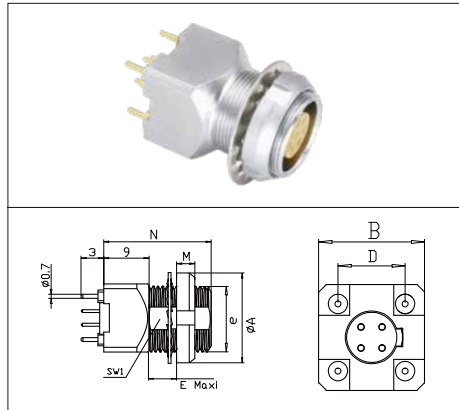
Reference		Dimensions (mm)							
series	model	A	B	D	e	E	M	N	SW1
0B	EYG	12	10	7.62	M9*0.6	2.6	2.5	15	8.2
1B	EYG	14	12	7.62	M11*0.5	5	3.5	19	-
2B	EYG	20	15	10.16	M15*1.0	7.5	3.5	22.5	13.5

EZG straight socket, key (G) or keys (A...M), for printed circuit board.



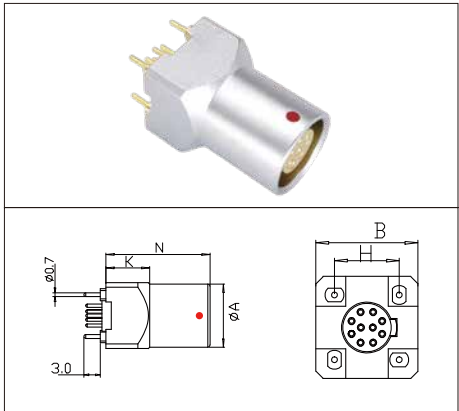
Reference		Dimensions (mm)				
series	model	A	B	C	L3	L2
00B	EZG	7	7	5.08	4	14

EYG straight socket, key (G) or keys (A...M), for printed circuit board.



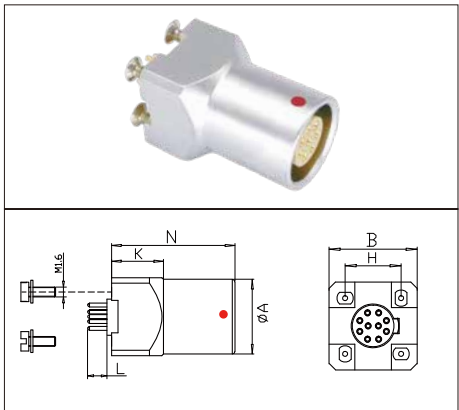
Reference		Dimensions (mm)							
series	model	A	B	D	e	E	M	N	SW1
0B	EYG	12	10	7.62	M9*0.6	2.6	2.5	15	8.2
1B	EYG	14	12	7.62	M11*0.5	5	3.5	19	-
2B	EYG	20	15	10.16	M15*1.0	7.5	3.5	22.5	13.5

EZG straight socket, key (G) or keys (A...B), for printed circuit board.



Reference		Dimensions (mm)				
series	model	A	B	H	K	N
0B	EZG	9	10	7.62	8	15
1B	EZG	11	12	7.62	8	19
2B	EZG	14	15	10.16	9	22.5

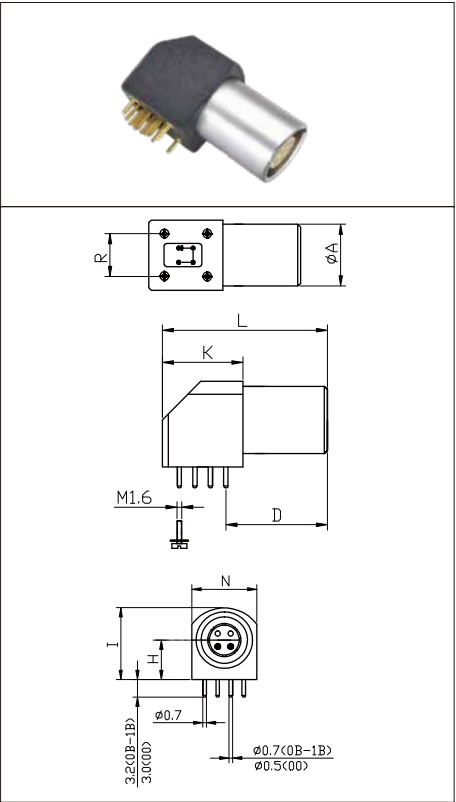
EZG straight socket, nut fixing, key (G) or keys (A...F), for printed circuit board.



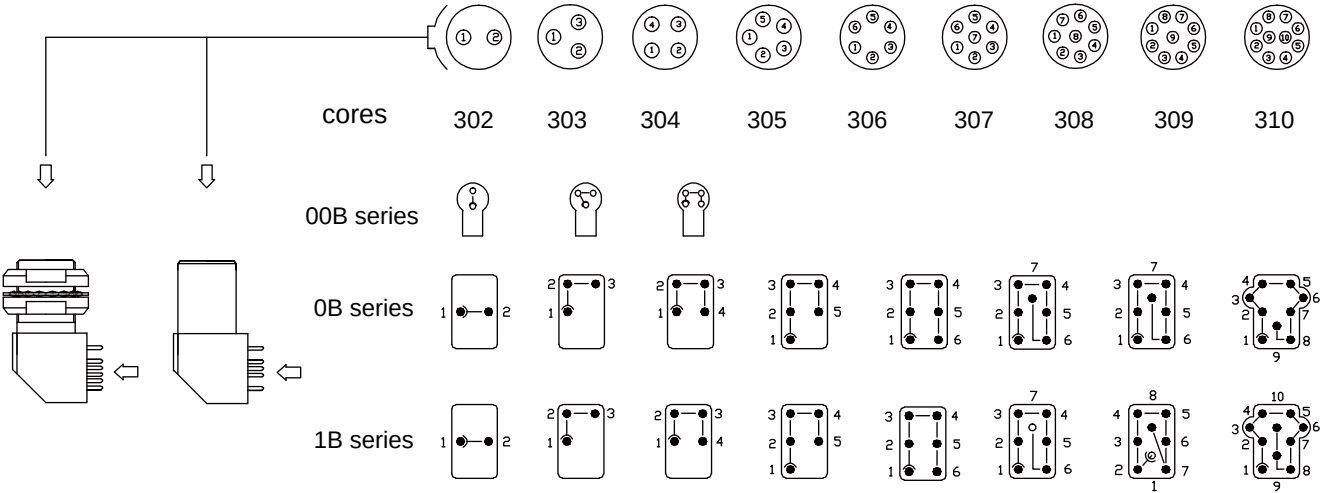
Reference		Dimensions (mm)				
series	model	A	B	C	K	N
0B	EZG	9	10	7.62	8	15
1B	EZG	11	12	7.62	8	19
2B	EZG	14	15	10.16	9	22.5

Note: The length "L" depends on the number of cores, see page 72

EPG Elbow (90°) socket for printed circuit, key (G) or keys (A...M) (solder fixing)

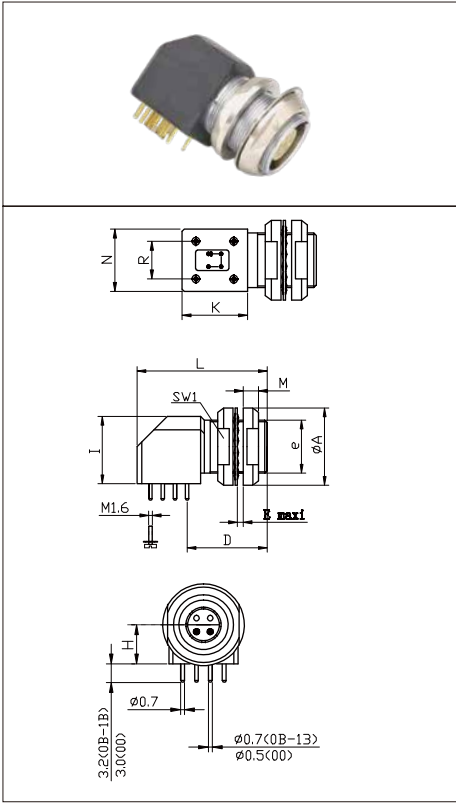


Reference	Dimensions (mm)							
	A	D	H	I	K	L	N	R
EPG.00.302.HLN	6.8	11.5	3.5	7.0	8.7	19	7.1	5.08
EPG.00.303.HLN								
EPG.00.304.HLN								
EPG.0B.302.HLN	9	14.6	6.7	12.7	13.3	25	11.7	7.62
EPG.0B.303.HLN								
EPG.0B.304.HLN								
EPG.0B.305.HLN								
EPG.0B.306.HLN								
EPG.0B.307.HLN								
EPG.0B.309.HLN	11	16.6	7.5	14	13.3	27	12.6	7.62
EPG.1B.302.HLN								
EPG.1B.303.HLN								
EPG.1B.304.HLN								
EPG.1B.305.HLN								
EPG.1B.306.HLN								
EPG.1B.307.HLN								
EPG.1B.308.HLN								
EPG.1B.310.HLN								



Alignment Key (B,C,T series)

EXG Elbow (90°) socket for printed circuit, two nuts fixing, key (G) or keys (A...M)



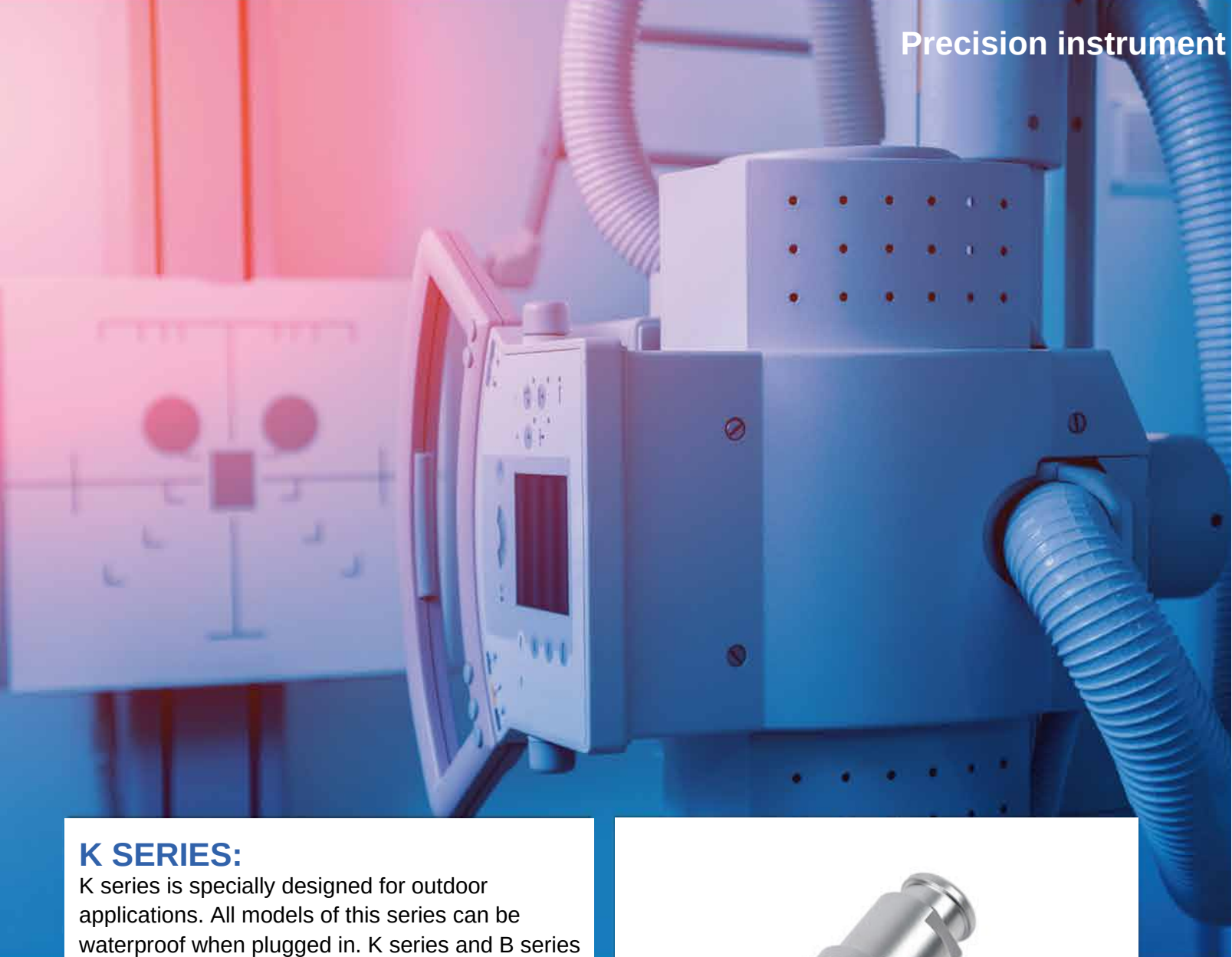
Reference	Dimensions (mm)												
	A	B	D	e	E	H	I	K	L	M	N	R	SW1
EXG.00.302.HLN	10	10.2	11.5	M7*0.5	2.1	3.5	7.0	8.7	19	2.5	7.1	5.08	9
EXG.00.303.HLN													
EXG.00.304.HLN													
EXG.0B.302.HLN	12	12.4	14.6	M9*0.6	6.0	6.7	12.7	13.3	25	2.5	11.7	7.62	11
EXG.0B.303.HLN													
EXG.0B.304.HLN													
EXG.0B.305.HLN													
EXG.0B.306.HLN													
EXG.0B.307.HLN													
EXG.0B.309.HLN	14	15	16.6	M11*0.5	7.5	7.5	14	13.3	27	3.5	12.6	7.62	13
EXG.1B.302.HLN													
EXG.1B.303.HLN													
EXG.1B.304.HLN													
EXG.1B.305.HLN													
EXG.1B.306.HLN													
EXG.1B.307.HLN													
EXG.1B.308.HLN													
EXG.1B.310.HLN													

Alignment Key and Polarized Keying System

Reference	Nb of keys	Angles	Series			Reference	Nb of keys	Angles	Series			Contact type		Note
			00	0B	1B				2B	3B	4B	Plug	Socket	
G	1		0°	0°	0°	G	1		0°	0°	0°	male	female	●
A	2	α	30°	30°	30°	A	2	α	30°	30°	30°			●
B	2		60°	60°	60°	B	2		45°	45°	45°			●
C	2		-	90°	90°	C	2		60°	60°	60°			●
D	2	β	-	135°	135°	D	2	β	95°	95°	95°			○
E	2		-	145°	145°	E	2		120°	120°	120°			○
F	2		-	155°	155°	F	2		145°	145°	145°			○
J	2	γ	45°	45°	45°	J	2	α	37.5°	37.5°	37.5°	female	male	●
K	2		-	70°	70°	K	2		52.5°	52.5°	52.5°			○
L	2		-	80°	80°	L	2		70°	70°	70°			○
M	2	δ	-	110°	-	M	2	-	-	-	-			○
Y	3	-	-	-	-	Y	3	β	112.5	126°	112.5	male	female	●1)
		-	-	-	-			γ	100°	102°	147.5			

Reference	Nb of keys	Angles	Series			Reference	Nb of keys	Angles	Series			Contact type		Note
			00	0B	1B				2B	3B	4B	Plug	Socket	
R	5	α	-	-	-	R	5	α	-	-	-	male	female	●
		β	-	-	-			β	-	-	-			
		γ	-	-	-			γ	-	-	-			
		δ	-	-	-			δ	-	-	-			

Note ● First choice alternative
○ Special order alternative



K SERIES:

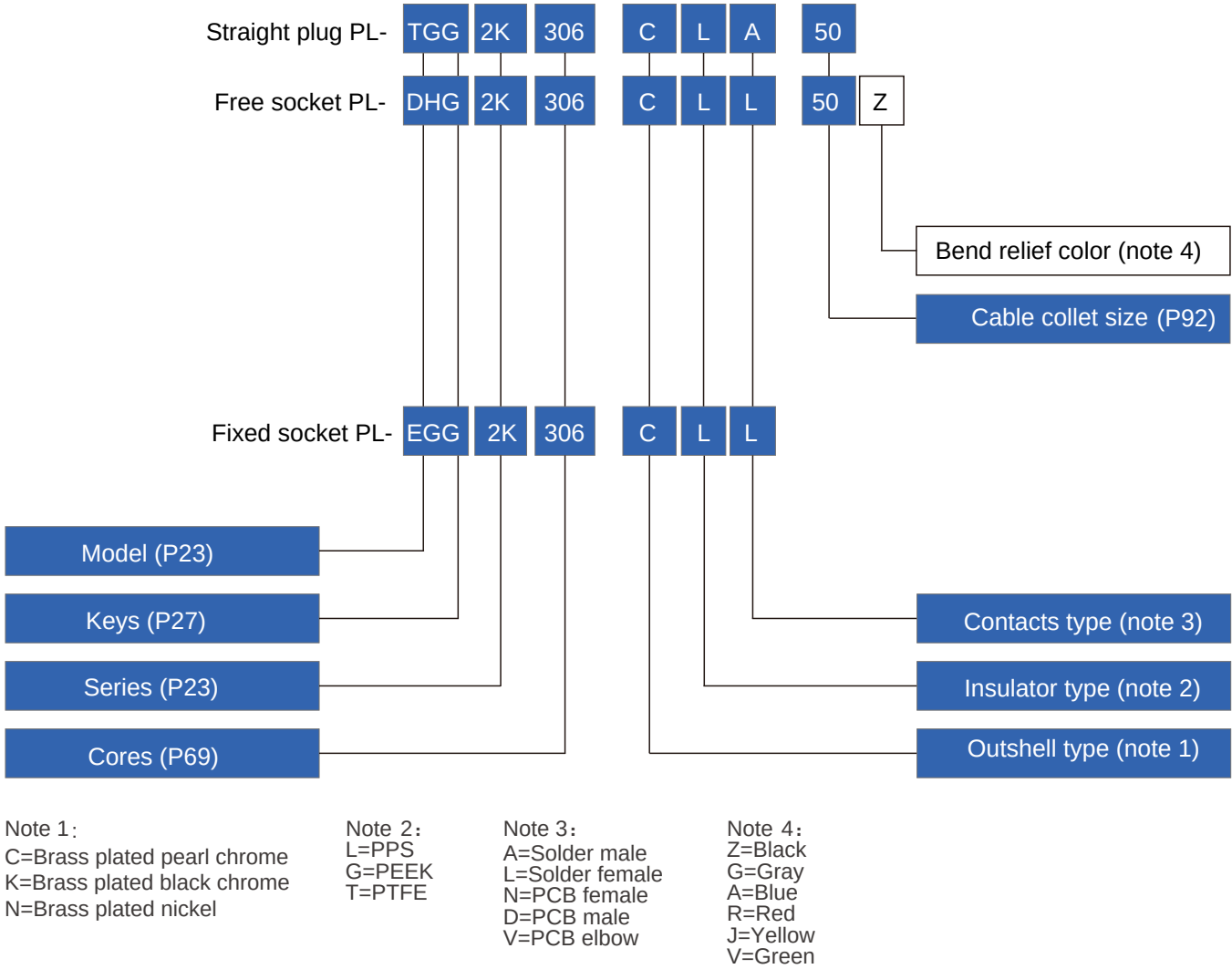
K series is specially designed for outdoor applications. All models of this series can be waterproof when plugged in. K series and B series connectors have the same insulator.

Main Features:

- Safe push-pull self-locking system.
- Waterproof connection (IP66/IP67).
- Multi core type 2-48 cores.
- Solde or PCB contacts (straight and elbow).
- Key (G) standard is used for connector alignment.
- Multiple keys selected to avoid mixed insertion between similar connectors.
- 360 degree shielding provides all-round EMC.



Part number:



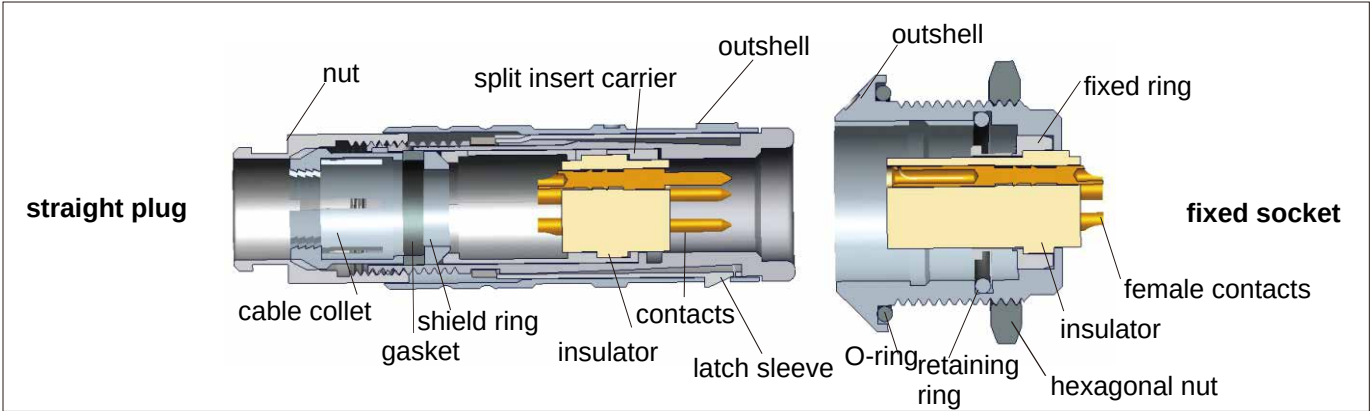
Part number example:

Straight plug:
PL-TGG.2K.306.CLA50= Straight plug, Key (G), 2K series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder male contacts, cable collet size 5.0mm.

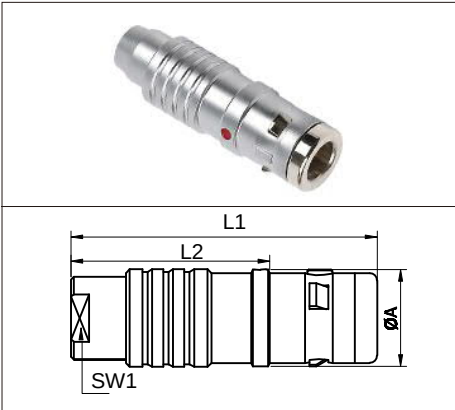
Free receptacle:
PL-DHG.2K.306.CLL50Z= Free receptacle, key (G), 2K series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts, cable collet 5.0mm, with black bend relief.

Fixed socket:
PL-EGG.2K.306.CLL= Fixed socket, fixed by nut, key (G), 2K series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts.

Connector structure :

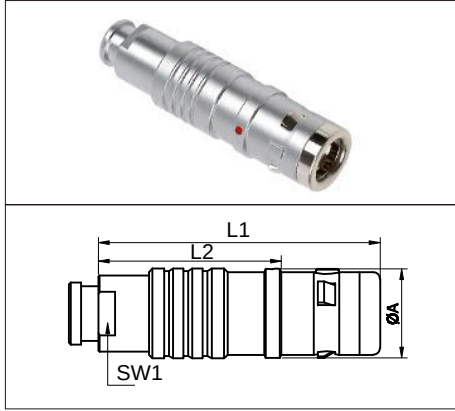


TGG Waterproof straight plug, key (G) or keys (A to M), cable collet



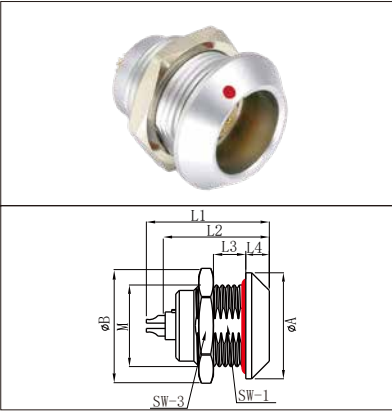
Reference		Dimensions (mm)			
series	model	A	L1	L2	SW1
0K	TGG	11	36	25	8
1K	TGG	13	42	28	9
2K	TGG	16	52	36	13
3K	TGG	19	61	41	15

TGG Waterproof straight plug, key (G) or keys (A to M), cable collet, nut for fitting a bend relief



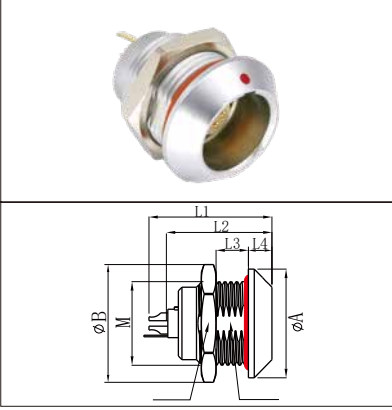
Reference		Dimensions (mm)			
series	model	A	L1	L2	SW1
0K	TGG	11	36	25	8
1K	TGG	13	42	28	9
2K	TGG	16	52	36	13
3K	TGG	19	61	41	15

EGG Fixed socket, nut fixing, key (G) or keys(A...F, L and R)



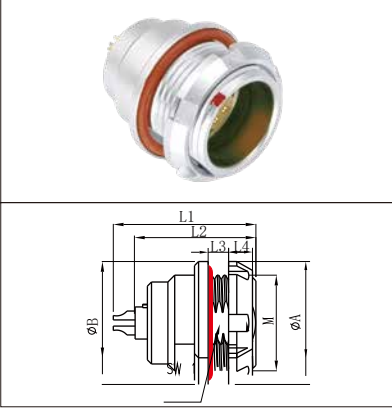
Reference		Dimensions (mm)									panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	SW3	
0K	EGG	18	19	M14*1.0	21.3	20	6	4	12.5	17	S12.6/Ø14.1
1K	EGG	20	22	M16*1.0	27.8	25	9	4.5	14.5	19	S14.6/Ø16.1
2K	EGG	25	28	M20*1.0	29	28	9	5	18.5	24	S18.6/Ø20.1
3K	EGG	31	34	M24*1.0	36.1	33.6	11	6	22.5	30	S22.6/Ø24.1

ENG Fixed socket, nut fixing, key (G) or keys(A...F, L and R), with earthing tag



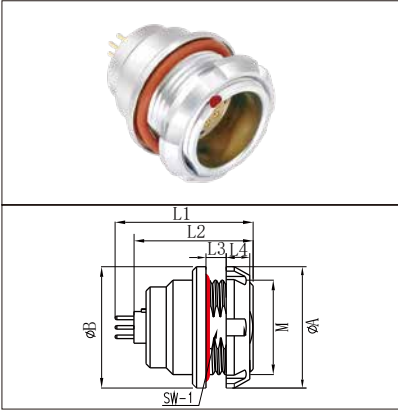
Reference		Dimensions (mm)									panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	SW3	
0K	ENG	18	19	M14*1.0	21.3	20	6	4	12.5	17	S 12.6/Ø14.1
1K	ENG	20	22	M16*1.0	27.8	25	9	4.5	14.5	19	S 14.6/Ø16.1
2K	ENG	25	28	M20*1.0	29	28	9	5	18.5	24	S 18.6/Ø20.1
3K	ENG	31	34	M24*1.0	36.1	33.6	11	6	22.5	30	S 22.6/Ø24.1

EEG Fixed socket, nut fixing, key (G) or keys(A...F, L and R), back panel mounting



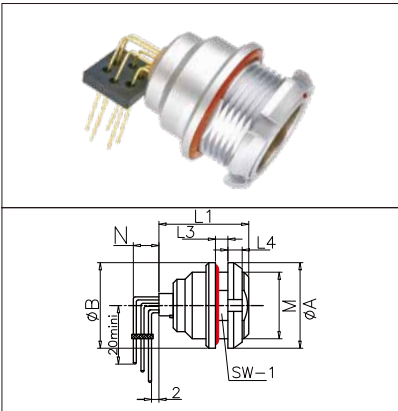
Reference		Dimensions (mm)								panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	
0K	EEG	18	18	M14*1.0	21	19.2	3.5	3.5	12.5	S 12.6/Ø14.1
1K	EEG	20	20	M16*1.0	27	25	6	3.5	14.5	S 14.6/Ø16.1
2K	EEG	25	25	M20*1.0	30	28	5.5	3.5	18.5	S 18.6/Ø20.1
3K	EEG	30	31	M24*1.0	36	33	7.5	4.5	22.5	S 22.6/Ø24.1

EEG Fixed socket, nut fixing, key (G) or keys(A...F, L and R), back panel mounting, for PCB circuit board



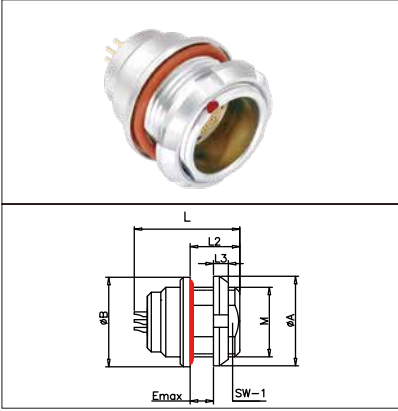
Reference		Dimensions (mm)								panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	
0K	EEG	18	18	M14*1.0	33	19.2	3.5	3.5	12.5	S 12.6/Ø14.1
1K	EEG	20	20	M16*1.0	29	25	6	3.5	14.5	S 14.6/Ø16.1
2K	EEG	25	25	M20*1.0	32	28	5.5	3.5	18.5	S 18.6/Ø20.1
3K	EEG	30	31	M24*1.0	37	33	7.5	4.5	22.5	S 22.6/Ø24.1

EEG Fixed socket, nut fixing, key (G) or keys(A...F, L and R), with elbow (90°) contacts for printed circuit



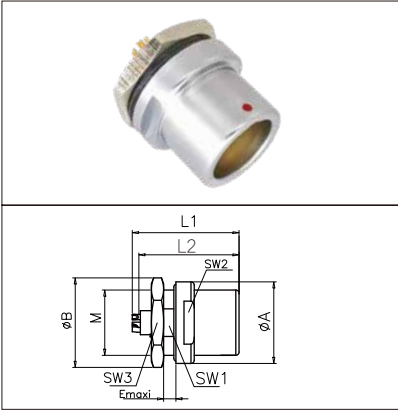
Reference		Dimensions (mm)								panel hole
series	model	A	B	M	L1	L3	L4	SW1		
0K	EEG	18	18	M14*1.0	19	3.5	3.5	12.5		S 12.6/Ø14.1
1K	EEG	20	20	M16*1.0	25	6	3.5	14.5		S 14.6/Ø16.1
2K	EEG	25	25	M20*1.0	28	5.5	3.5	18.5		S 18.6/Ø20.1
3K	EEG	30	31	M24*1.0	33	8	4.5	22.5		S 22.6/Ø24.1

HEG Fixed socket, nut fixing, key (G) or keys (A...F, L and R), watertight or vacuum-tight (back panel mounting)



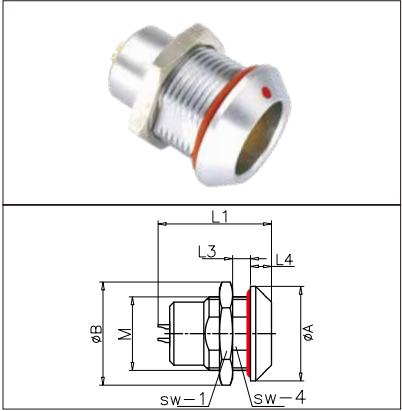
Reference		Dimensions (mm)							
series	model	A	B	M	E	L	L2	L3	SW1
0K	HEG	18	18	M14*1.0	3.4	23	7	3.5	12.5
1K	HEG	20	20	M16*1.0	6.2	30	10	3.5	14.5
2K	HEG	25	25	M20*1.0	5.0	33.7	10	3.5	18.5

EHG Fixed socket, nut fixing, key (G) or keys (A...F and L), protruding shell



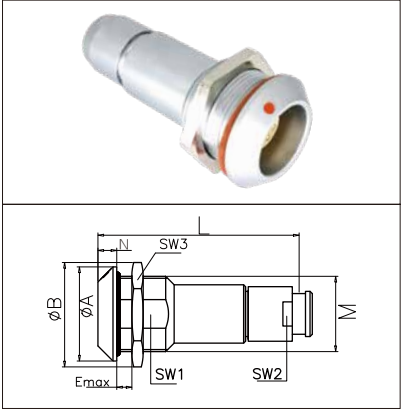
Reference		Dimensions (mm)								
series	model	A	B	M	L1	L2	E	SW1	SW2	SW3
0K	EHG	18	19.7	M14*1.0	21	20	1.5	12.5	15	17
1K	EHG	20	21.9	M16*1.0	26	25	1.5	14.5	17	19
2K	EHG	25	27.7	M20*1.0	30	27	1.5	18.5	20	24

HGG Fixed socket, nut fixing, key (G) or keys (A...F and L), watertight or vacuum-tight



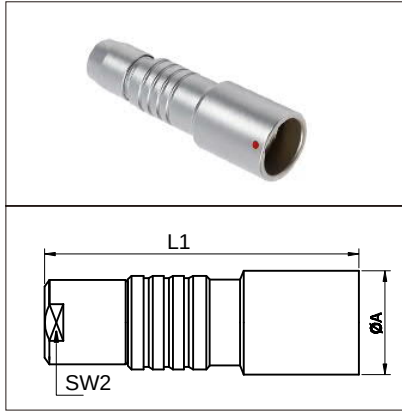
Reference		Dimensions (mm)								panel hole
series	model	A	B	M	L1	L3	L4	SW4	SW1	
0K	HGG	18	19.7	M14*1.0	22	5.5	4	12.5	17	S 12.6/Ø14.1
1K	HGG	20	21.9	M16*1.0	30	9	4.5	14.5	19	S 14.6/Ø16.1
2K	HGG	25	27.7	M20*1.0	33.5	13	5	18.5	24	S 18.6/Ø20.1
3K	HGG	31	34	M24*1.0	41.7	16	6	22.5	30	S 22.6/Ø24.1

PKG Fixed socket, key (G) or keys (A...F, L and R), cable collet



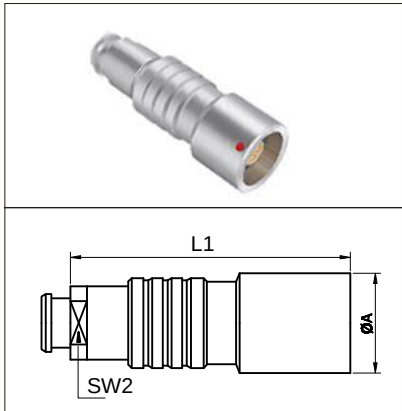
Reference		Dimensions (mm)								
series	model	A	B	M	L	N	E	SW1	SW2	SW3
0K	PKG	18	19.7	M14*1.0	34	4	6	17	12.5	8
1K	PKG	20	21.9	M16*1.0	45	4.5	9	19	14.5	9
2K	PKG	25	27.7	M20*1.0	53.2	5	9	24	18.5	13
3K	PKG	31	34	M24*1.0	65	6	11.5	30	22.5	15

DHG Free socket, key (G) or keys (A...F, L and R), cable collet



Reference		Dimensions (mm)		
series	model	A	L1	SW2
0K	DHG	13	34	8
1K	DHG	15	45	9
2K	DHG	19	53	13
3K	DHG	23	65	15

DHG Free socket, key (G) or keys (A...F, L and R), cable collet, nut for fitting a bend relief



Reference		Dimensions (mm)		
series	model	A	L1	SW2
0K	DHG	13	34	8
1K	DHG	15	45	9
2K	DHG	19	53	13
3K	DHG	23	65	15

Alignment Key (K series)

Alignment Key and Polarized Keying System

socket front view	Reference	Nb of keys	Angles	Series					Contact type		Note
				0K	1K	2K	3K	4K	plug	socket	
	G	1		0°	0°	0°	0°	0°	male	female	●
	A	2	α	30°	30°	30°	30°	30°			●
	B	2		45°	45°	45°	45°	45°			●
	C	2		60°	60°	60°	60°	60°			●
	D	2	γ	95°	95°	95°	95°	95°			○
	E	2	β	120°	120°	120°	120°	120°			○
	F	2		145°	145°	145°	145°	145°			○
	L	2	γ	75°	75°	75°	75°	75°	female	male	●

socket front view 	Reference	Nb of keys	Angles	Series					Contact type		Note
				0K	1K	2K	3K	4K	plug	socket	
	R	5	α	—	—	—	95°	—	male	female	●
			β	—	—	—	115°	—			
			γ	—	—	—	35°	—			
			δ	—	—	—	25°	—			

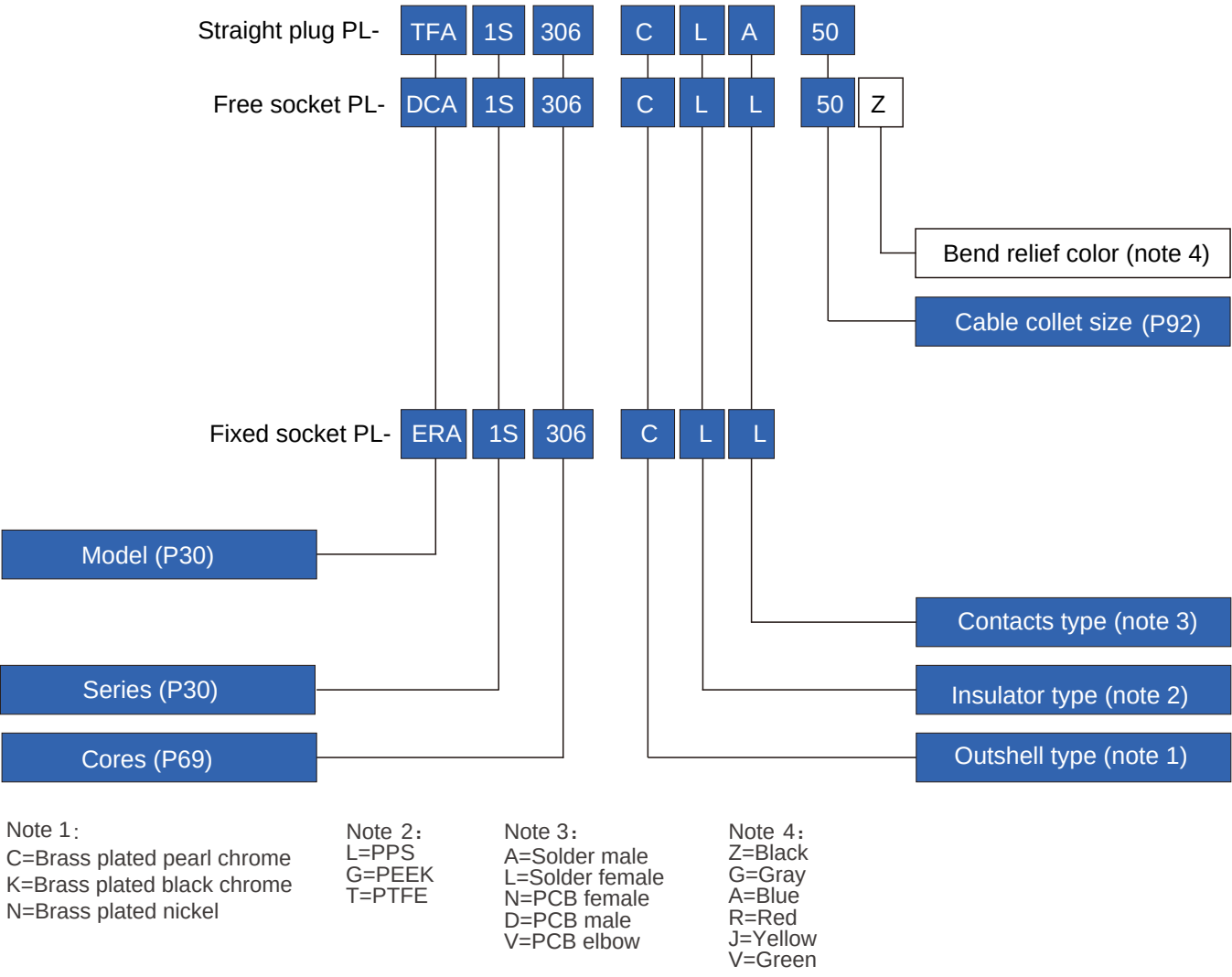
Note ● First choice alternative
○ Special order alternative

S SERIES:

- Main Features:**
- Safe push-pull self-locking system.
 - Solder or PCB contacts (Straight and elbow).
 - High density installation, saving space.
 - Positioning of high and low insulators (stepped) to avoid wrong insertion.
 - The insulator is equipped with both male pin core and female pin core.
 - 360 degree shielding provides all-round EMC protection (anti electromagnetic interference).



Part number :



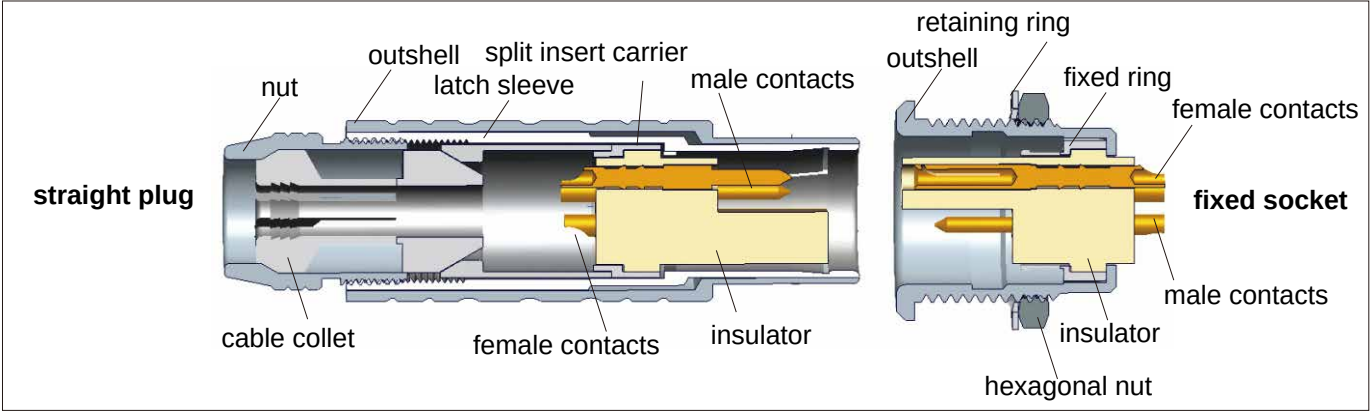
Part number example :

Straight plug:
PL-TFA.1S.306.CLA50=Straight plug, Key (G), 1S series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, (3 male and 3 female) solder contacts, cable collet size 5.0mm.

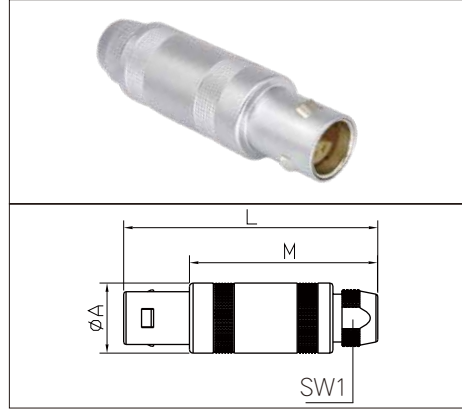
Free receptacle:
PL-DCA.1S.306.CLL50Z=Free receptacle, key (G), 1S series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, (3 male and 3 female) solder contacts, cable collet 5.0mm, with black bend relief.

Fixed socket:
PL-ERA.1S.306.CLL=Fixed socket, fixed by nut, key (G), 1S series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, (3 male and 3 female) solder contacts.

Connector structure :

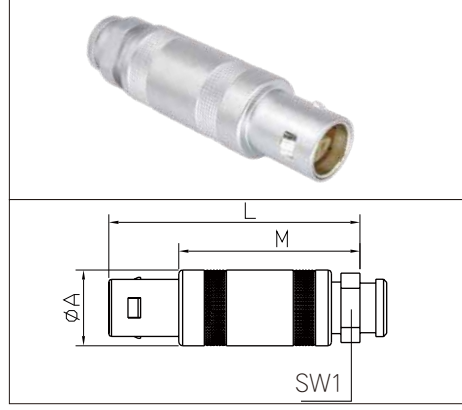


TFA Straight plug, cable collet



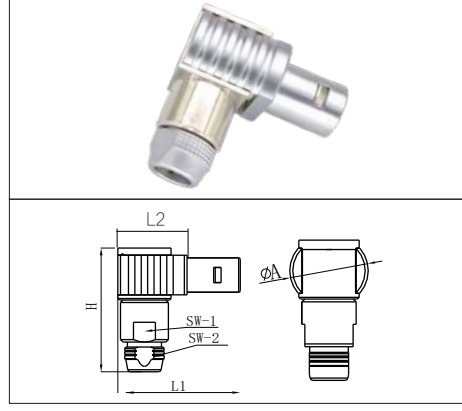
Reference		Dimensions (mm)			
series	model	A	L	M	SW1
00S	TFA	6.4	26	18	4.5
0S	TFA	9	34.5	24.5	6.5
1S	TFA	12	42.5	31.5	8.5
2S	TFA	15	52	40	11
3S	TFA	17.8	61	46	14

TFA Straight plug, cable collet, nut for fitting a bend relief



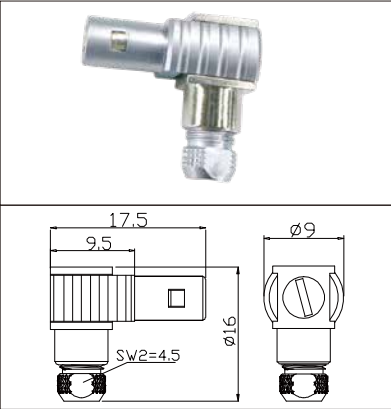
Reference		Dimensions (mm)			
series	model	A	L	M	SW1
00S	TFA	6.4	26	18	6
0S	TFA	9	34.5	24.5	7.3
1S	TFA	12	39.5	28	9
2S	TFA	15	52	40	12
3S	TFA	17.8	61	46	14

TLA Right-angle plug, cable collet



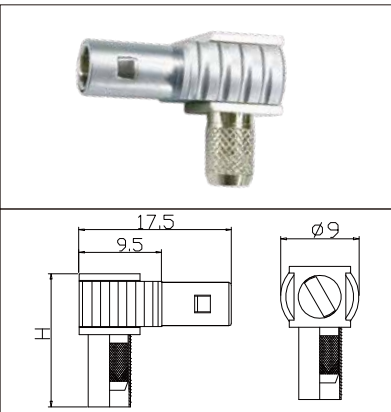
Reference		Dimensions (mm)					
series	model	A	L1	L2	H	SW1	SW2
00S	TLA	9	17.5	9.5	16.5	6	4.5
0S	TLA	13	23	13	24.5	8	6.5
1S	TLA	16	26.5	15.5	29	10	8.5
2S	TLA	20	31	19	37	13	11

TLA Right-angle plug, cable collet



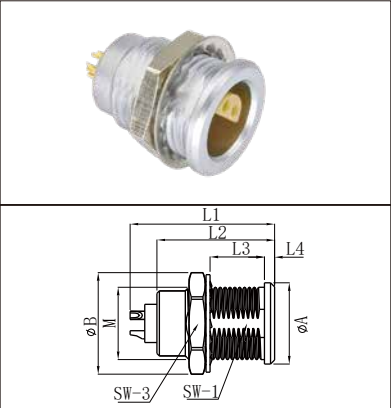
Reference		Dimensions (mm)				
00S	TLA	17.5	9.5	4.5	16	9

TLS Right-angle plug, for cable crimping



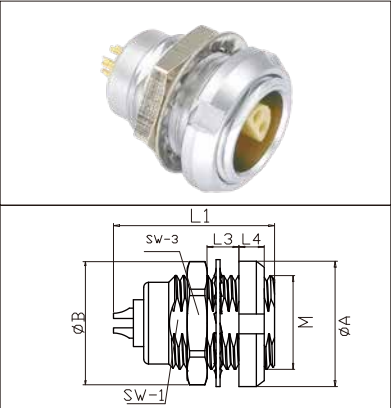
Reference		Dimensions (mm)			
00S	TLS	17.5	9.5	H=15	9

ERA Fixed socket, nut fixing



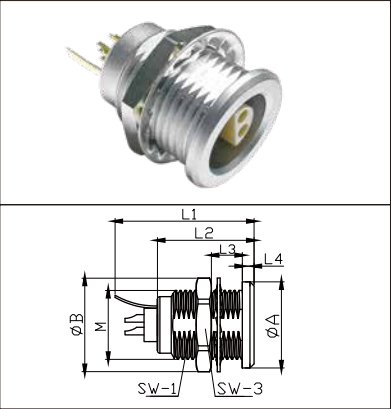
Reference		Dimensions (mm)									panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	SW3	
00S	ERA	8	10.2	M7*0.5	8.5	10.5	6.5	1.0	6.3	9	SW6.4/Ø7.1
0S	ERA	10	12.5	M9*0.6	19.5	14.5	7	1.2	8.2	11	SW8.3/Ø9.1
1S	ERA	14	15.5	M12*1.0	20.2	16.5	7.5	1.5	10.5	14	S10.6/Ø12.1
2S	ERA	18	19.2	M15*1.0	24.8	18	8	1.8	13.5	17	S13.6/Ø15.1
3S	ERA	22	25.0	M18*1.0	29.0	20.0	11.5	2	16.5	22	S16.6/Ø18.1

ERD Fixed socket, two nuts fixing (back panel mounting)



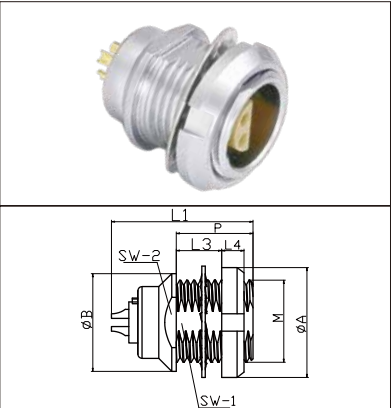
Reference		Dimensions (mm)									panel hole
series	model	A	B	M	L1	L3	L4	SW1	SW3		
0S	ERD	12	12.5	M9*0.6	19.5	5	2.5	8.2	11		SW 8.3/Ø9.1
1S	ERD	16	15.5	M12*1	20.2	6	3.5	10.5	14		S 10.6/Ø12.1
2S	ERD	20	19.2	M15*1	24.8	6.5	3.5	13.5	17		S 13.6/Ø15.1
3S	ERD	24	25.0	M18*1	29.0	9.0	4.5	16.5	22		S 16.6/Ø18.1

ERN Fixed socket, nut fixing, with earthing tag



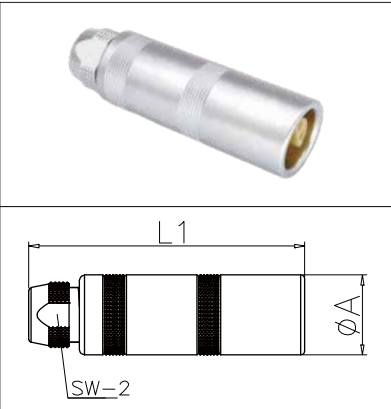
Reference		Dimensions (mm)									panel hole
series	model	A	B	M	L1	L2	L3	L4	SW1	SW3	
0S	ERN	10	12.5	M9*0.6	19.3	14.5	7	1.2	8.2	11	S 8.3/Ø9.1
1S	ERN	14	15.5	M12*1.0	22.4	16.5	7.5	1.5	10.5	14	S 10.6/Ø12.1
2S	ERN	18	19.2	M15*1.0	26.3	18	8.5	2.0	13.5	17	S 13.6/Ø15.1
3S	ERN	22	25.0	M18*1.0	29.8	20	11.5	2.0	16.5	22	S 16.6/Ø18.1

EEP Fixed socket, nut fixing (back panel mounting)



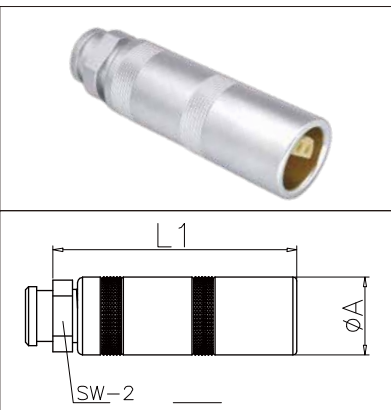
Reference		Dimensions (mm)									panel hole
series	model	A	B	N	L1	L3	L4	P	SW1	SW2	
2S	EEP	20	19.5	M15*1	24.5	3.5	3.5	9	13.5	15	S 13.6/Ø15.1

DCA Free socket, cable collet



Reference		Dimensions (mm)		
series	model	A	L1	SW2
00S	DCA	6.5	25	4.5
0S	DCA	9	34	6.5
1S	DCA	12	40	8.5
2S	DCA	15	50	11
3S	DCA	17.8	59	14

DCA Free socket, cable collet, nut for fitting a bend relief



Reference		Dimensions (mm)		
series	model	A	L1	SW2
00S	DCA	6.5	25	6
0S	DCA	9	34	7.3
1S	DCA	12	40	9
2S	DCA	15	50	12
3S	DCA	17.8	59	14

Technical drawing of a 4-pin connector. The drawing includes a perspective view and two orthographic views (top and side). The perspective view shows a silver-colored metal housing with four gold-plated pins. The top view shows a square base with a central circular feature and four mounting holes. The side view shows the profile of the connector with a threaded section.

Dimensions (mm):

- Overall width: 17
- Overall height: 14
- Threaded section diameter: $\phi 10$
- Threaded section length: 2.5
- Central hole diameter: $\phi 7 \pm 0.5$
- Mounting hole diameter: 5.08
- Mounting hole spacing: 7
- Pin diameter: 4- $\phi 0.5$

Reference		Dimensions (mm)								
00S	EPE	17	14	Ø7*0.5	10	2.5	4-Ø0.5	7	7	5.08

Technical drawing of a 4-pin connector. The drawing includes a perspective view and two orthographic views (side and front). Dimensions are provided in millimeters (mm):

- Overall length: 17 mm
- Length of the main body: 14 mm
- Length of the mounting tab: 4 mm
- Outer diameter of the main body: $\varnothing 6.9$ mm
- Width of the main body: 5.08 mm
- Width of the mounting tab: 7 mm
- Height of the mounting tab: 7 mm
- Distance between the center of the mounting hole and the edge of the tab: 5.08 mm

Reference		Dimensions (mm)							
00S	EPC	17	14	4-Ø0.5	6.9	5.08	5.08	7	7

Reference		Dimensions (mm)								
00S	EPL	10	1	0.7*5	18	7	5.08	7	5.08	6.9

Reference		Dimensions (mm)								
00S	EPS	10	2.5	M7*0.5	5.08	7	18	10	0.7*(5)	3

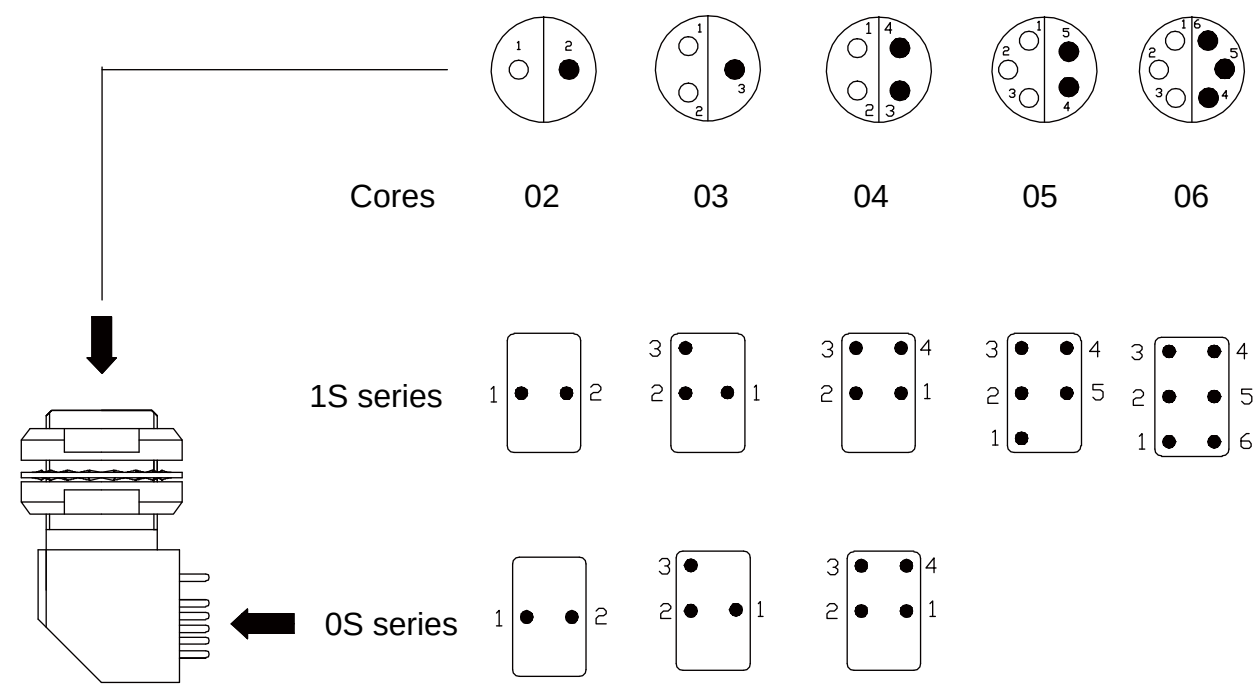
Reference	Dimensions (mm)							panel hole
	A	D	H	I	K	L	N	
EPL.0S.302.HLN	9	14.6	6.7	12.7	13.3	25	11.7	/Ø9.1
EPL.0S.303.HLN								
EPL.0S.304.HLN								
EPL.1S.302.HLN	11	16.6	7.5	14	13.3	27	12.6	/Ø11.1
EPL.1S.303.HLN								
EPL.1S.304.HLN								
EPL.1S.305.HLN								
EPL.1S.306.HLN								

Technical drawing of a 3-pin connector. The drawing includes a 3D perspective view at the top and three 2D orthographic views below: a front view, a side view, and a top view.

Dimensions and Labels:

- Front View (Top Left):** Shows a square base with a central rectangular cutout. Dimensions include 7.62 (width of the cutout), N (height of the base), and K (width of the base).
- Side View (Top Right):** Shows the profile of the connector. Dimensions include H (height of the top flange), 3.2 (height of the base), and $\varnothing 0.7$ (diameter of the base).
- Top View (Bottom):** Shows the top of the connector. Dimensions include L (total length), M (length of the top flange), E (width of the top flange), $\varnothing A$ (outer diameter of the top flange), E_{max} (maximum width of the top flange), D (width of the base), 2.54 (width of the base), $M1.6$ (width of the base), and $SW1$ (width of the base).

Reference	Dimensions (mm)											panel hole
	A	D	e	E	H	K	I	M	N	SW1	L	
EXP.0S.302.HLN	12	14.6	M9*0.6	6	6.7	13.3	12.7	2.5	11.7	10	25	/Ø11.1
EXP.0S.303.HLN												
EXP.0S.304.HLN												
EXP.1S.302.HLN	15	16.6	M11*0.5	7.5	7.5	13.3	14	3	12.6	13	27	/Ø11.1
EXP.1S.303.HLN												
EXP.1S.304.HLN												
EXP.1S.305.HLN												
EXP.1S.306.HLN												



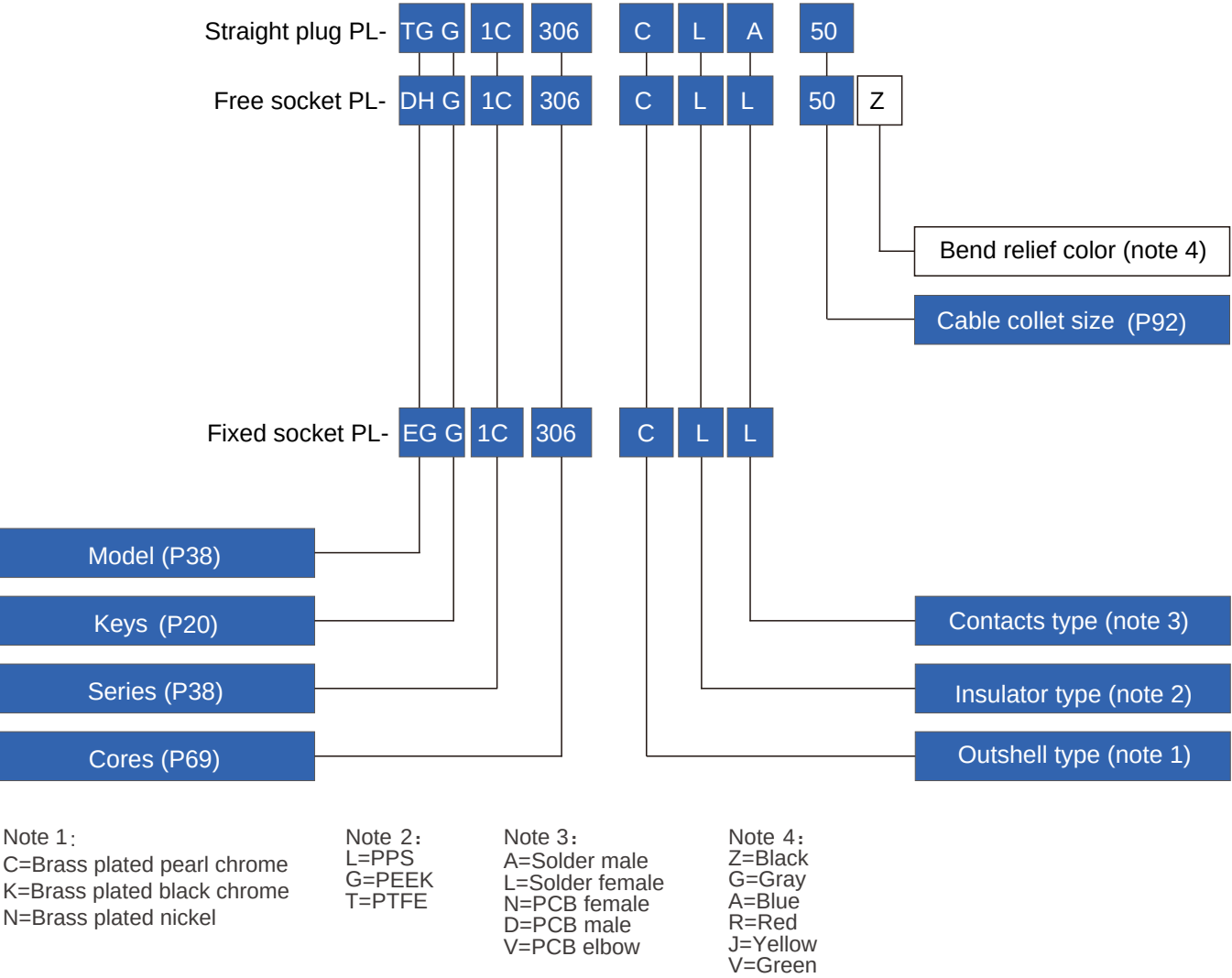
C SERIES IP68

-Interchangeable with B series

- Safe split push-pull self-locking system.
- Multipole 2-48 cores.
- Solder and PCB contacts (straight and elbow).
- High density installation, saving space.
- 360 degree shielding provides all-round EMC protection (anti electromagnetic interference).
- Alignment Key to avoid incorrect insertion.
- Socket with vacuum sealing structure, applicable to equipment requiring sealing.



Part number:



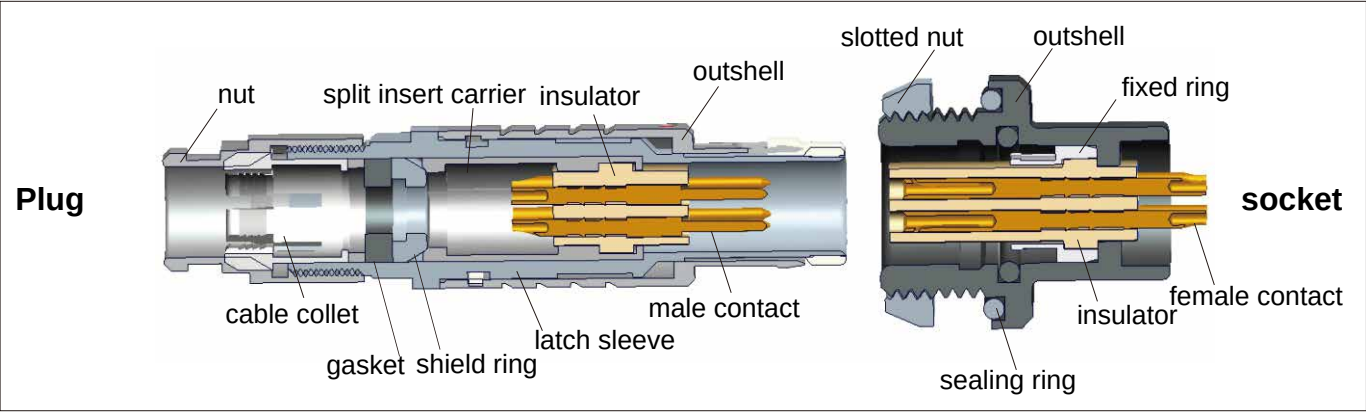
Part number example:

Straight plug:
PL-TGG.1C.306.CLA50= Straight plug, Key (G), 1C series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder male contacts, cable collet size 5.0mm.

Free receptacle:
PL-DHG.1C.306.CLL50Z= Free receptacle, key (G), 1C series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts, cable collet 5.0mm, with black bend relief.

Fixed socket:
PL-EGG.1C.306.CLL= Fixed socket, fixed by nut, key (G), 1C series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts.

Connector structure



TGG Straight plug, key (G) or keys (A...M), cable collet

Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
0C	TGG	9.5	37	27	8	8
1C	TGG	12	45	34	10	9
2C	TGG	15	51	39	13	13
3C	TGG	18	59	44	16	15

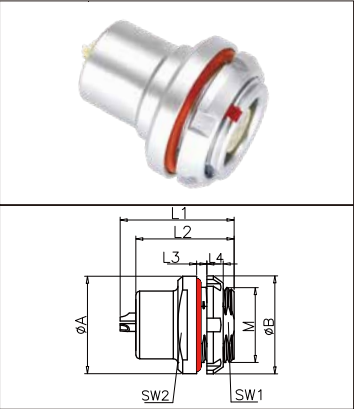
TGG Straight plug, key (G) or keys (A...M), cable collet, nut for fitting a bend relief

Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
0C	TGG	9.5	37	27	8	8
1C	TGG	12	45	34	10	9
2C	TGG	15	52	40	13	13
3C	TGG	18	58	43	16	15

TRG Short straight plug, key (G) or keys (A...M), cable collet

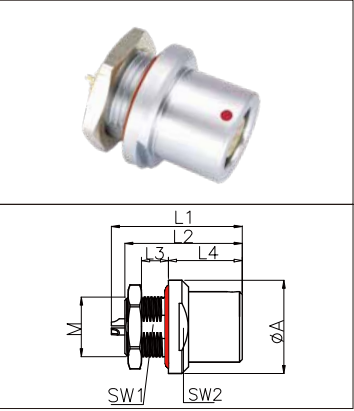
Reference		Dimensions (mm)					
series	model	A	B	L1	L2	SW1	SW2
0C	TRG	11.5	9.5	34.5	24.5	8	8
1C	TRG	13.5	12.5	42	30	11.5	12
2C	TRG	16.5	15.3	48	36	13	13
3C	TRG	18	18.4	48	33	16	16

HEG Fixed socket, nut fixing, key (G) or keys (A...M and R), watertight or vacuum-tight



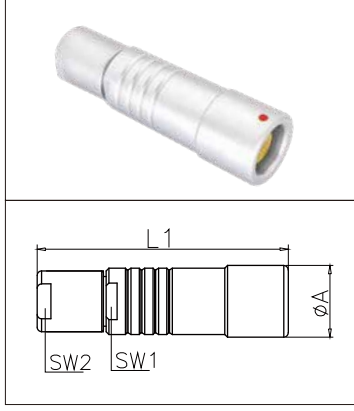
Reference		Dimensions (mm)									panel hole 
series	model	A	B	M	L1	L2	L3	L4	SW1	SW2	
0C	HEG	14.5	14.5	M10*0.5	20.6	18.5	3	3	9	12	S 9.1/Ø10.1
1C	HEG	18.5	18	M14*1.0	25	21	5	3	12	15	S 12.1/Ø14.1
2C	HEG	21	22	M16*1.0	25	21	5	5	15	18	S 15.1/Ø16.1
3C	HEG	26	25	M20*1.0	32	26.5	7	4	18	-	S 18.1/Ø20.1

EHG Fixed socket, nut fixing, key (G) or keys (A...M and R), Protruding shell



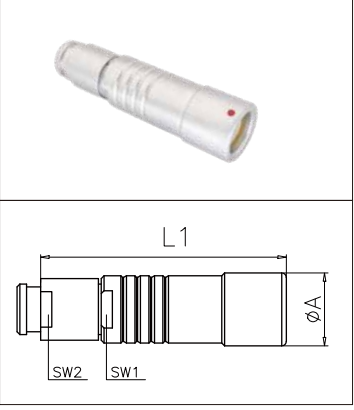
Reference		Dimensions (mm)								panel hole
series	model	A	M	L1	L2	L3	L4	SW1	SW2	
0C	EHG	14	M9*0.5	22	17.5	4	11.5	8.2	12	S 8.3/Ø9.1
1C	EHG	18.5	M14*1.0	26	21	4.5	13.5	12	14	S 12.1/Ø14.1
2C	EHG	21	M16*1.0	28	23	4	15.5	13.5	17	S 13.6/Ø16.1
3C	EHG	24	M18*1.0	33	26.5	6	16.2	16.5	20	S 16.6/Ø18.1

DHG Free socket, key (G) or keys (A...M), cable collet, connections between cables.



Reference		Dimensions (mm)			
series	model	L1	A	SW1	SW2
0C	DHG	36	10	8	8
1C	DHG	43	13	10	9
2C	DHG	50	15	13	13
3C	DHG	56	18	16	15

DHG Free socket, key (G) or keys (A...M), cable collet, nut for fitting a bend relief



Reference		Dimensions (mm)			
series	model	L1	A	SW1	SW2
0C	DHG	39	10	8	8
1C	DHG	45	13	10	9
2C	DHG	50	15	13	13
3C	DHG	60	18	16	15

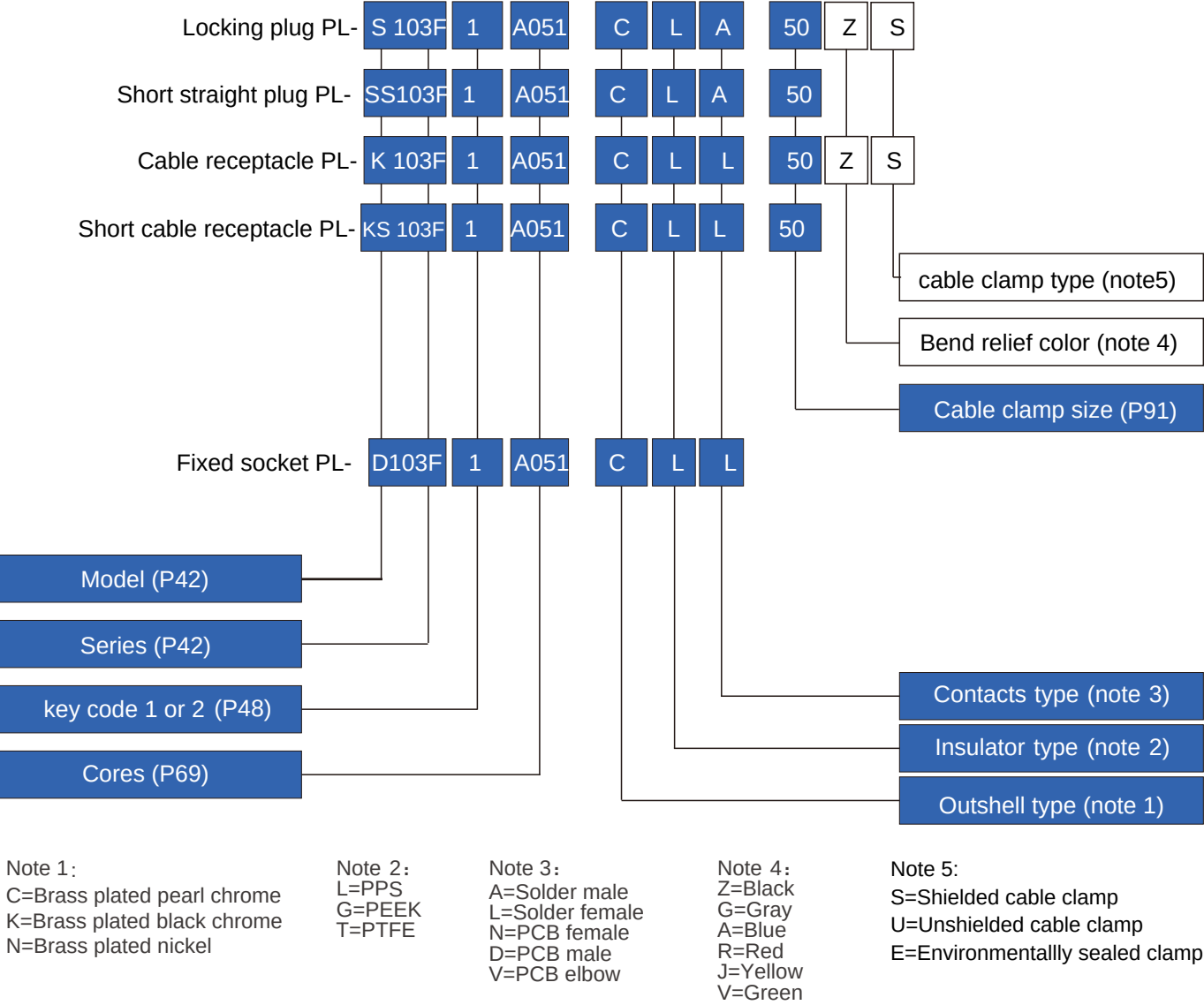


F SERIES:

- Main Features:**
- Safe split push-pull self-locking system.
 - IP50 or IP67, multipole 2-27 cores.
 - Solder and PCB contacts (straight and elbow).
 - High density installation, saving space.
 - 360 degree shielding provides all-round EMC protection (anti electromagnetic interference).
 - Half shell key to avoid incorrect insertion.



Part number:



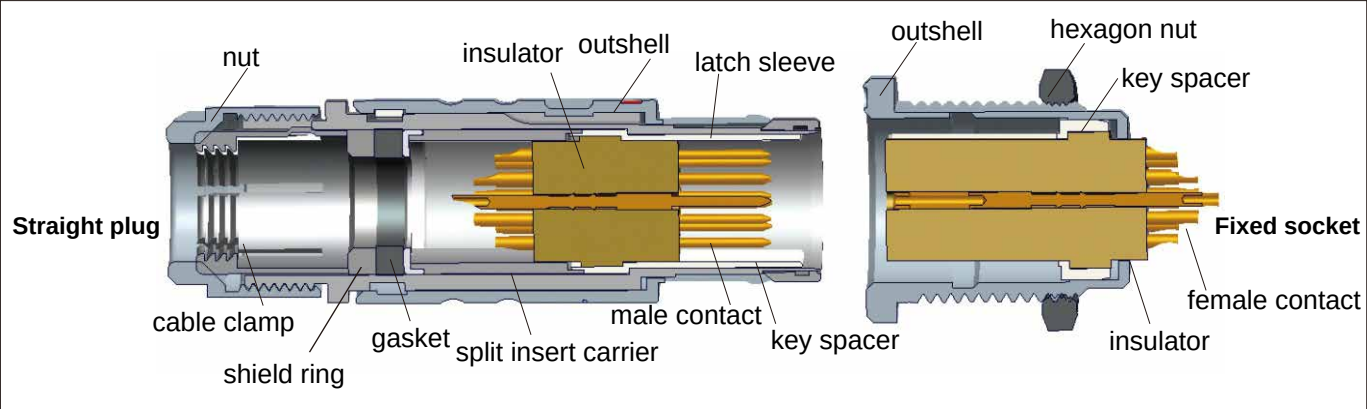
Part number example:

Straight plug:
PL-S103F.1.A051.CLA50ZS=Straight plug, 103F series, key code 1, multi-core type, 2-core, brass pearl chrome plated shell, PPS insulator, solder male contacts, cable clamp size 5.0mm, with black bend relief, shielded cable clamp.

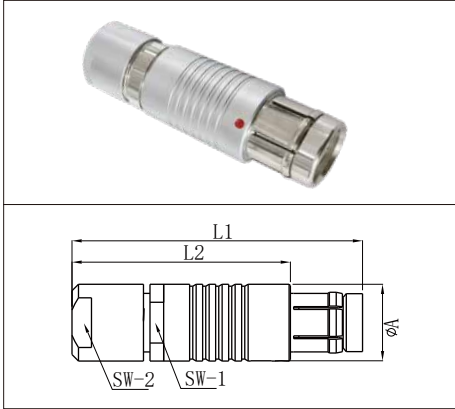
Free receptacle:
PL-K103F.1.A051.CLL50ZS=Free receptacle, 103F series, key code 1, multi-core type, 2-core, brass pearl chrome plated shell, PPS insulator, solder female contacts, cable clamp 5.0mm, with black bend relief, shielded cable clamp.

Fixed socket:
PL-D103F.1.A051.CLL=Fixed socket, fixed by nut, 103F series, key code 1, multi-core type, 2-core, brass pearl chrome plated shell, PPS insulator, solder female contacts.

Connector structure

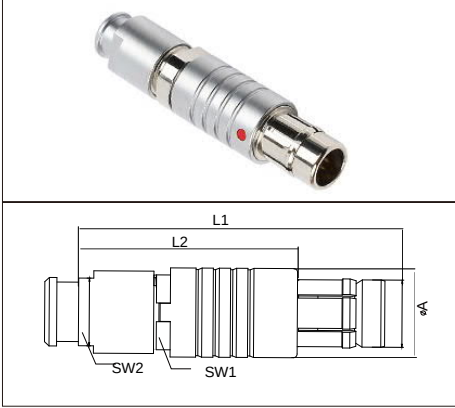


S/SC Straight plug cable mounted, half-shell key code 1 or 2, cable clamp



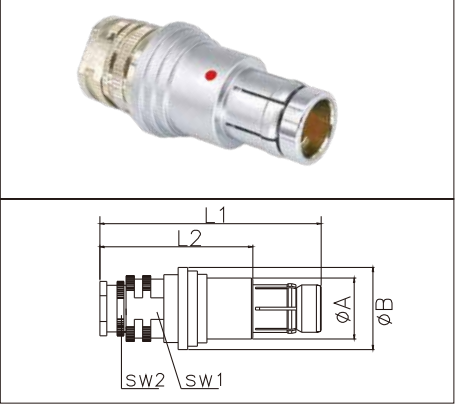
Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
102F	S/SC	9.5	36	26	7	7
103F	S/SC	12	45	34	10	9
1031F	S//SC	12.9	47	37	11	12
104F	S/SC	15	50	38	13	13
105F	S/SC	18	61	46	16	15

S/SC Straight plug cable mounted, half-shell key code 1 or 2, cable clamp, nut for fitting a bend relief



Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
102F	S/SC	9.5	36	26	7	7
103F	S/SC	12	45	34	10	9
1031F	S/SC	12.9	47	37	11	12
104F	S/SC	15	50	38	13	13
105F	S/SC	18	61	46	16	15

SS Straight short plug, half-shell key code 1 or 2, cable clamp



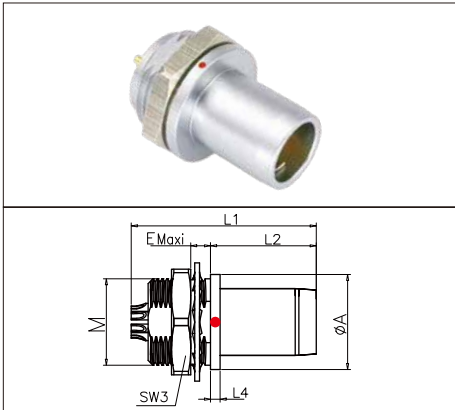
Reference		Dimensions (mm)					
series	model	A	B	L1	L2	SW1	SW2
102F	SS	9	12	33	23	10	11
103F	SS	12	15	33	23	10	11
1031F	SS	12.4	15.5	33	23	10	11
104F	SS	15	18	44	29	15	16
105F	SS	18	21.2	44	29	15	16

SS Straight short plug, half-shell key code 1 or 2, cable clamp



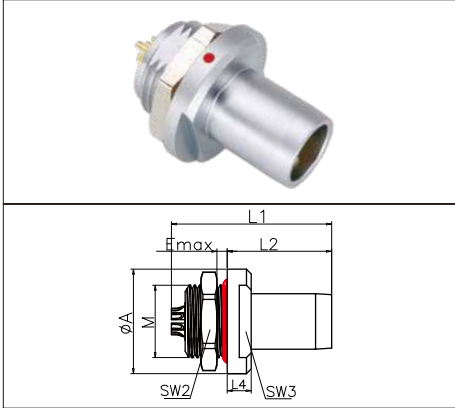
Reference		Dimensions (mm)					
series	model	A	B	L1	L2	SW1	SW2
102F	SS	9	12	34.5	24.5	8	8
103F	SS	12	15	42	30	11.5	12
1031F	SS	12.4	15.5	37	47	11	11
104F	SS	15	18	48	36	13	13
105F	SS	18	21.2	48	33	16	16

SF Non-locking panel plug, nut fixing, half-shell key code 1 or 2



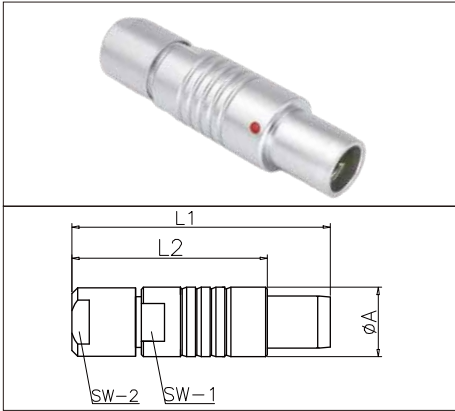
Reference		Dimensions (mm)						
series	model	A	M	L1	L2	L4	E	SW3
102F	SF	10	M9*0.5	20	11	1	4	11
103F	SF	14	M12*1.0	23.5	12.5	1.5	3	14
1031F	SF	16	M14*1.0	26	12	2	4	17
104F	SF	18	M15*1.0	28	14	2	3	17
105F	SF	22	M16*1.0	30.5	16.8	1.2	5.5	19

SFU/SFE IP68 sealed or hermetic non-locking panel plug, nut fixing, half-shell key code 1 or 2



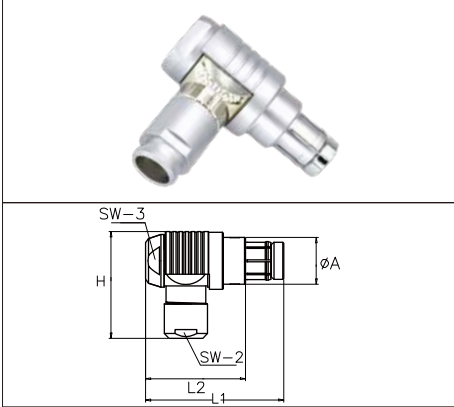
Reference		Dimensions (mm)							
series	model	A	M	L1	L2	L4	E	SW2	SW3
102F	SFU	13	M9*0.5	21	13	3	2.5	11	9
103F	SFU	17	M12*1	26	14	3	5	14	12
1031F	SFU	19	M14*1	26.5	13.7	3.7	4	17	12
104F	SFU	22	M16*1	28	15	3	7.5	19	12
105F	SFU	27	M20*1	32	17	4	6	25	-

SOV Non-locking straight plug, half-shell key code 1 or 2, cable clamp



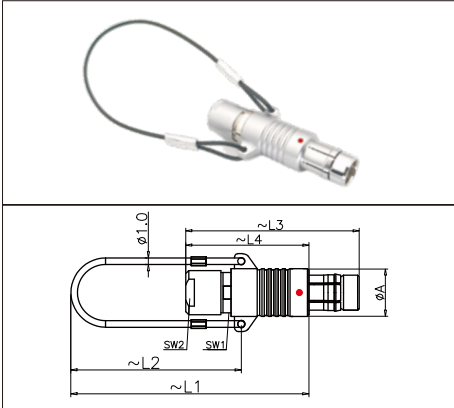
Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
102F	SOV	11.5	34.5	24.5	8	8
103F	SOV	13.5	42	30	10	9
104F	SOV	16.5	48	36	13	13
105F	SOV	16.5	48	36	13	13

WSO Right-angle plug, half-shell key code 1 or 2, cable clamp



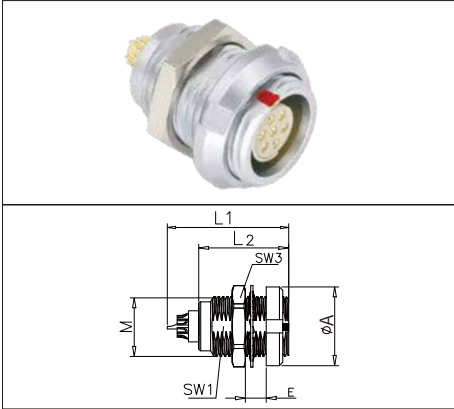
Reference		Dimensions (mm)					
series	model	A	L1	L2	H	SW2	SW3
102F	WSO	12	33	23	25	7	8
103F	WSO	15	38	27	31	10	11
1031F	WSO	17	39	29	33	12	12
104F	WSO	19	39	29	33	12	14
105F	WSO	23	45	32	37	15	17

SA Straight plug with lanyard, half-shell key code 1 or 2, cable clamp



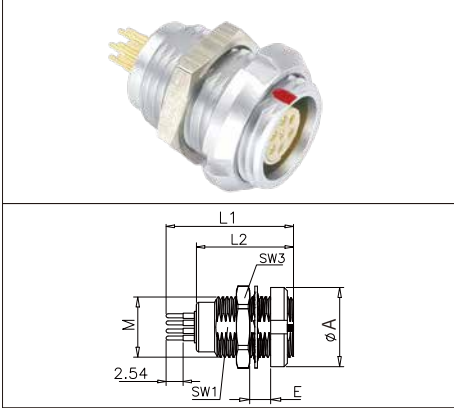
Reference		Dimensions (mm)						
series	model	A	L1	L2	L3	L4	SW1	SW2
102F	SA	9	65	50	35	25	7	7
103F	SA	11	77	60	46	35	10	10
1031F	SA	13	75	55	48	38	11	12
104F	SA	15	84	65	50	38	13	12
105F	SA	18	96	70	62	47	16	15

DG Threaded receptacle, two nuts fixing, half-shell key code 1 or 2, fixed inside and outside the chassis



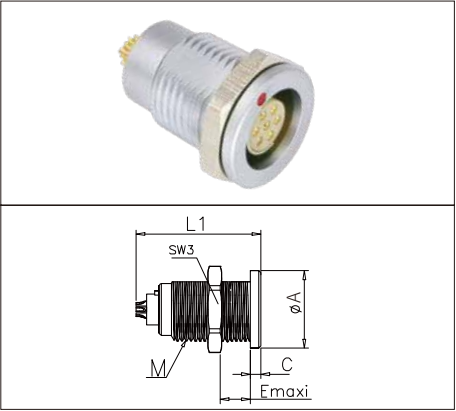
Reference		Dimensions (mm)						
series	model	A	L1	L2	M	E	SW1	SW3
102F	DG	12	19	14	M9*0.5	8	8	11
103F	DG	15	23	15	M12*1	8	10	14
1031F	DG	18	23	18	M14*1	8	12	17
104F	DG	20	26	18	M15*1	10	13.5	17
105F	DG	23	30	24	M18*1	14	16.5	22

DG Threaded receptacle, two nuts fixing, half-shell key code 1 or 2, PCB contacts



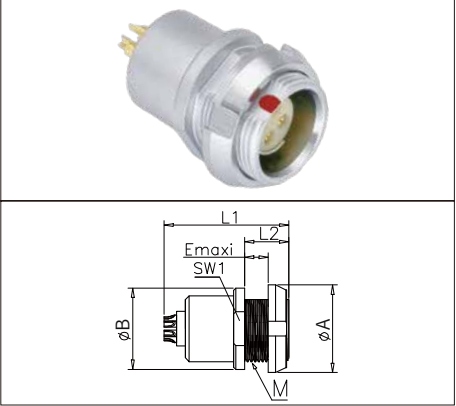
Reference		Dimensions (mm)						
series	model	A	L1	L2	M	E	SW1	SW3
102F	DG	12	18	14	M9*0.5	8	8	11
103F	DG	15	19	15	M12*1	8	10	14
1031F	DG	18	22	18	M14*1	8	12	17
104F	DG	20	22	18	M15*1	10	13.5	17
105F	DG	23	28	24	M18*1	14	16.5	22

D Panel receptacle, nut fixing, half-shell key code 1 or 2, fixed inside



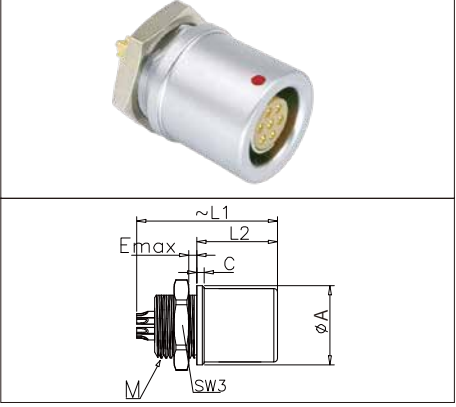
Reference		Dimensions (mm)					
series	model	A	L1	M	E	C	SW3
102F	D	11	19	M9*0.5	9	1.5	11
103F	D	14	23	M12*1	8	1.5	14
1031F	D	16	25	M14*1	10	2	17
104F	D	19	25	M15*1	11	2.2	17
105F	D	22	32	M18*1	15	2	22

DBP Rear-mounted panel receptacle, nut fixing, half-shell key code 1 or 2, fixed outside



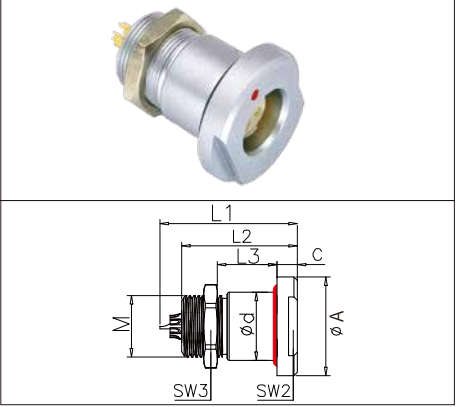
Reference		Dimensions (mm)						
series	model	B	A	L1	L2	M	E	SW1
102F	DBP	11	12	20	6.5	M9*0.5	3.5	10
103F	DBP	14	15	23	8	M12*1.0	4	
1031F	DBP	16	18	23	7	M14*1.0	4	–
104F	DBP	19	19	26	9	M15*1.0	5	
105F	DBP	22	23	30	17	M18*1.0	12	–

DB Front projecting receptacle, nut fixing, half-shell key code 1 or 2, fixed inside



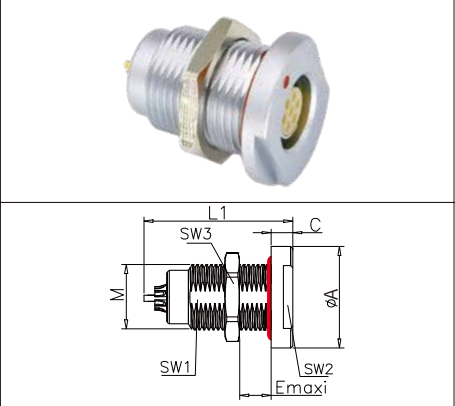
Reference		Dimensions (mm)						
series	model	A	L1	L2	M	C	E	SW3
102F	DB	11	18	11	M9*0.5	1	3	11
103F	DB	14	21	11.5	M12*1.0	1.5	4	14
104F	DB	19	26	14.5	M16*1.0	2.5	3	19
105F	DB	22	33	19	M18*1.0	2	7	22

DEE/DEU Hermetic or IP68 sealed panel receptacle (for thick panel), half-shell key code 1 or 2, fixed inside



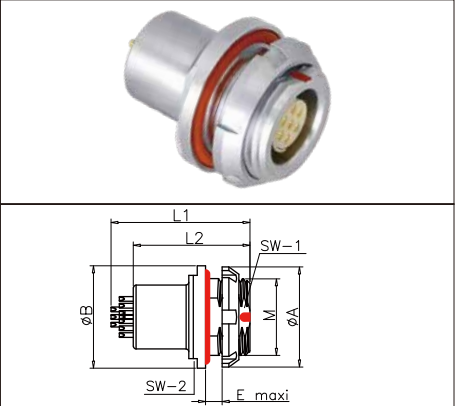
Reference		Dimensions (mm)										panel hole
series	model	A	L1	L2	L3	M	C	d	SW2	SW3		
102F	DEE	14.5	22.5	18.5	8	M9*0.5	3	10	11	11		∅10.1
103F	DEE	18	26	22.5	9	M14*1.0	3	14	14	17		∅14.1
1031F	DEE	19	27	21.5	7	M14*1.0	3.5	14	15	17		∅14.1
104F	DEE	22	29	23	8	M16*1.0	4	16	17	19		∅16.1
105F	DEE	26	32	26.5	32	M20*1.0	4	20	24	25		∅20.1

DEE/DEU Hermetic or IP68 sealed panel receptacle, half-shell key code 1 or 2, fixed inside



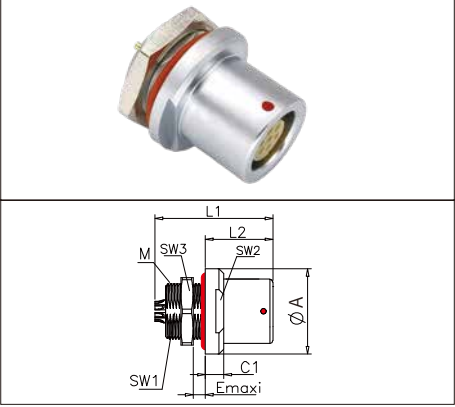
Reference		Dimensions (mm)							
series	model	A	L1	E	M	C	SW1	SW2	SW3
102F	DEE	14	20	10	M9*0.5	2.5	9	11	11
103F	DEE	18	23	12	M14*1.0	3	11	14	17
1031F	DEE	19	25	12	M14*1.0	3	14	15	17
104F	DEE	22	25	15	M16*1.0	4	18	17	19
105F	DEE	27	33	18	M20*1.0	4	18	–	25

DBPE/DBPU Hermetic or IP68 sealed panel receptacle, nut fixing, half-shell key code 1 or 2, fixed outside



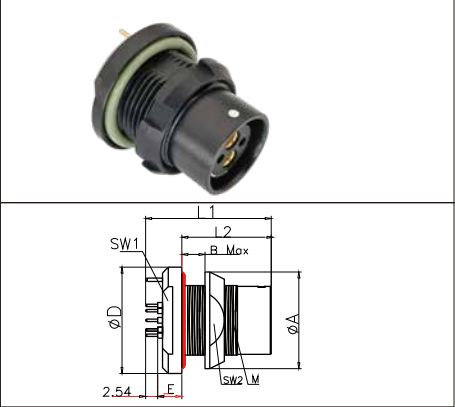
Reference		Dimensions (mm)								panel hole
series	model	A	B	L1	L2	M	E	SW1	SW2	
102F	DBPE	12	14	21	17	M9*0.5	3.5	8.2	11	S 8.3/∅9.1
103F	DBPE	18	18	26	21	M14*1.0	3	12	15	S 12.1/∅14.1
1031F	DBPE	18	19	23	20	M14*1.0	4	12	15	S 12.1/∅14.1
104F	DBPE	20	22	26	23.5	M16*1.0	4	14.3	–	S 14.4/∅16.1
105F	DBPE	25	27	30	24	M20*1.0	5	18	–	S 18.1/∅20.1

DBEE/DBEU Hermetic or IP68 sealed front projecting receptacle, nut fixing, half-shell key code 1 or 2



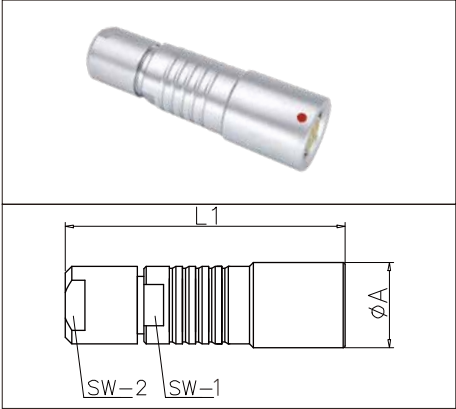
Reference		Dimensions (mm)								
series	model	A	L1	L2	M	C1	E	SW1	SW2	SW3
102F	DBEE	14	20	11	M9*0.5	2.5	4	8.2	12	11
103F	DBEE	18	26	15.5	M14*1.0	3	4	12	14	17
1031F	DBEE	19	28	13.6	M14*1.0	3	5	12	15	17
104F	DBEE	21	30	15.5	M16*1.0	4	4	14	17	19

DBPLE/DBPLU Hermetic or IP68 sealed low profile front projecting receptacle, half-shell key code 1 or 2



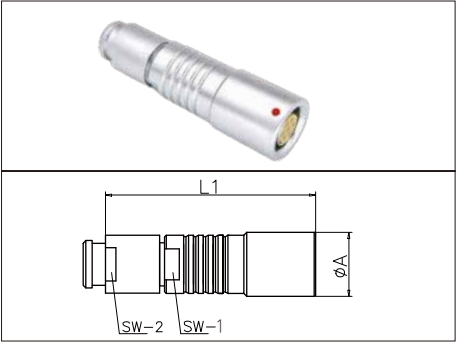
Reference		Dimensions (mm)								
series	model	A	B	L1	M	L2	D	E	SW1	SW2
102F	DBPLE	13	4.5	21	M10*0.5	14.2	14	3.6	11	11
103F	DBPLE	18	5	24	M14*1	16.5	18	4.2	15	15
1031F	DBPLE	20	5.5	23	M15*1	16	19	4.2	15	17
104F	DBPLE	20	6.5	27	M16*1	18.5	22	5	17	17
105F	DBPLE	25	7	31	M20*1	22.5	27	5.5	22	22

K/KE Free receptacle or sealed cable receptacle, half-shell key code 1 or 2 (connection between cables)



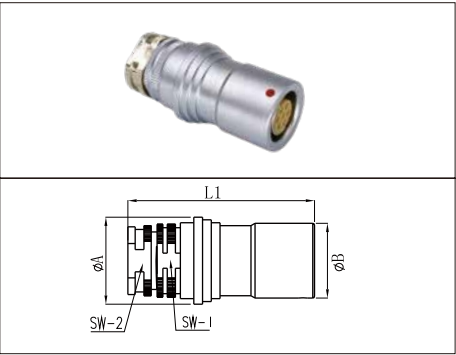
Reference		Dimensions (mm)			
series	model	A	L1	SW2	SW1
102F	K/KE	10	35	7	7
103F	K/KE	13	43	10	10
1031F	K/KE	13.5	46	12	11
104F	K/KE	16	50	12	13

K/KE Free receptacle or sealed cable receptacle, half-shell key code 1 or 2, nut for fitting a bend relief



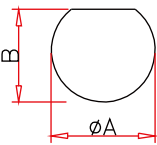
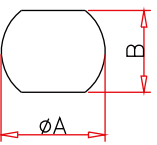
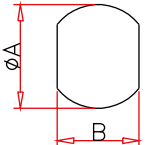
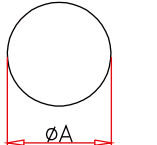
Reference		Dimensions (mm)			
series	model	A	L1	SW2	SW1
102F	K/KE	10	35	7	7
103F	K/KE	13	43	10	10
1031F	K/KE	13.5	46	12	11
104F	K/KE	16	50	12	13

KS/KSE Short free receptacle or short sealed cable receptacle, half-shell key code 1 or 2

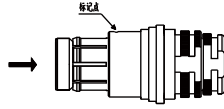
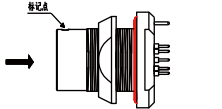


Reference		Dimensions (mm)				
series	model	A	B	L1	SW2	SW1
102F	KS/KSE	12	10	28	7	8
103F	KS/KSE	15	13	32	10	11
1031F	KS/KSE	15.5	13.5	31	10	11
104F	KS/KSE	18	16	35	12	13

F Series Panel Opening Size

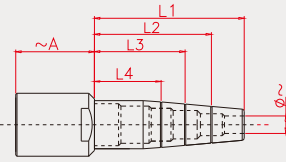
																
		Type A			Type B			Type C			Type D					
Model	Series	102			103			1031			104			105		
		Type	A	B	Type	A	B	Type	A	B	Type	A	B	Type	A	B
SF		B	9.1	8.1	A	12.1	11.2	C	14.1	12.1	A	15.1	14.2	D	16.1	-
SFE/SFU		D	9.1	-	A	12.1	11.2	C	14.1	12.1	A	16.1	15.3	A	20.1	19.1
D		A	9.1	8.5	A	12.1	11.2	C	14.1	12.1	A	15.1	14.2	A	18.1	17.3
DEE/DEU		D	10.1	-	D	14.1	-	D	14.1	-	D	16.1	-	D	20.1	
DBPE/DBPU		B	9.1	8.0	A	14.1	13.3	C	14.1	12.1	A	16.1	15.3	A	20.1	19.1
DG		A	9.1	8.5	A	12.1	11.2	C	14.1	12.1	A	15.1	14.2	A	18.1	17.3
DBEE/DBEU		D	9.1	-	D	14.1	-	A	14.1	13.2	D	16.1	-	D	18.1	-
DB		A	9.1	8.5	A	12.1	11.2	-	-	-	D	16.1	-	A	18.1	17.3
DBP		A	9.1	8.5	A	12.1	11.2	C	14.1	12.1	A	15.1	14.2	A	18.1	17.3

Key Code

										
	102F	103F	1031F	104F	105F	102F	103F	1031F	104F	105F
Code 1										
Code 2										
Code 3										

Bend Relief

Reference	Dimensions (mm)		
	Cable size	L	A
102F	1.5-3.4	L1=21	10
	3.5-4.5	L1=21	
103F	3.0-4.0	L1=26	17
	4.0-5.0	L2=21	
	5.0-6.2	L3=16	
1031F	3.0-4.0	L1=26	18
	4.0-5.0	L2=21	
	5.0-6.5	L3=16	



Reference	Dimensions (mm)		
	Cable size	L	A
104F	4.0-5.0	L1=31	18
	5.0-6.5	L2=25	
	6.0-7.5	L3=18	
105F	4.0-5.0	L1=37	21
	5.5-6.5	L2=31	
	7.0-8.5	L3=24	
	8.5-10.5	L4=18	

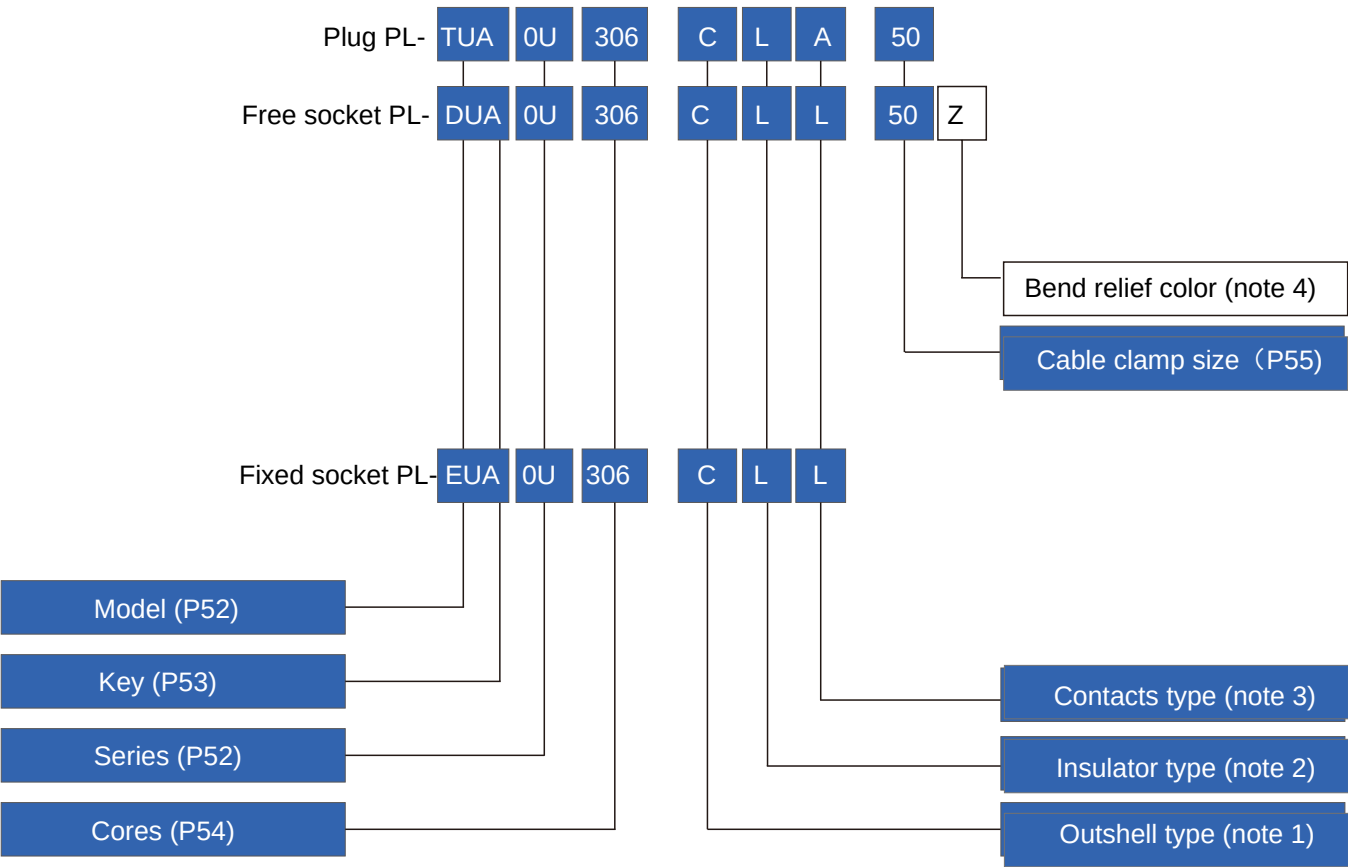


U SERIES

- Military connector (harsh environment)
- Safe push-pull self-locking system.
 - Multi core type, 2-13 cores.
 - Solder or PCB contacts (straight and elbow).
 - High density installation, space saving.
 - Three keys to avoid error connect.
 - Double half-shell, poka-yoke mechanisms.
 - IP68, mating 5000-10000 times.
 - 360 degree shielding for full EMC protection.



Part number:



Note 1:

C=Brass plated pearl chrome

K=Brass plated black chrome

N=Brass plated nickel

Note 2:

L=PPS

G=PEEK

T=PTFE

Note 3:

A=Solder male

L=Solder female

N=PCB female

D=PCB male

V=PCB elbow

Note 4:

Z=Black

G=Gray

A=Blue

R=Red

J=Yellow

V=Green

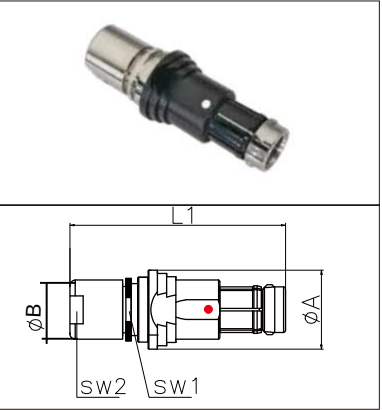
Part number example:

Straight plug:
PL-TUA.0U.306.CLA50= Straight plug, key (A), 0U series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder male contacts, cable clamp size 5.0mm.

Free receptacle:
PL-DUA.0U.306.CLL50Z= Free receptacle, Key (A), 0U series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts, cable clamp size 5.0mm, with black bend relief.

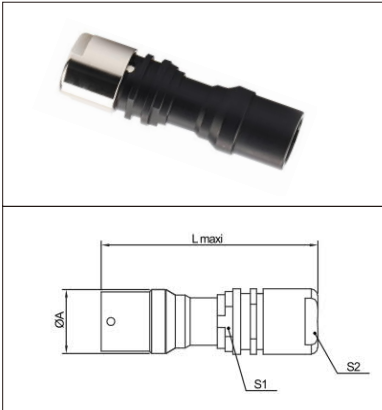
Fixed socket:
PL-EUA.0U.306.CLL= Fixed socket, nut fixing, key (A), 0U series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts.

TUA Short plug three keys, multiple keys prevent wrong mating.



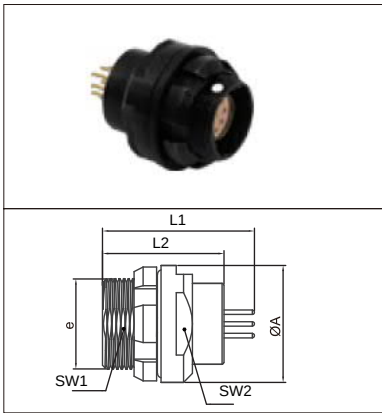
Reference		Dimensions (mm)				
series	model	A	L1	B	SW1	SW2
00U	TUA	11	31.5	10.5	7	7
0U	TUA	12	36.5	10.5	8	8

DUA Free socket, cable mount, cable clamp, multiple keys



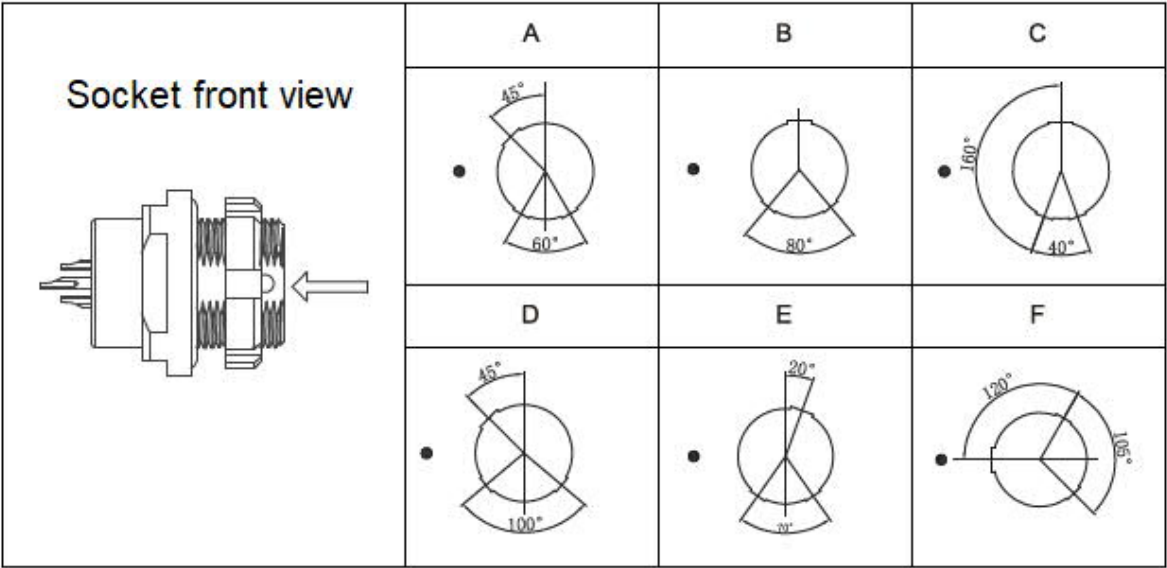
Reference		Dimensions (mm)			
series	model	L	A	S1	S2
0U	DUA	33.5	9.8	8	7

EUA Fixed socket, vacuum-tight, back panel mounted



Reference		Dimensions (mm)						panel hole
series	model	L1	L2	A	SW1	SW2	e	
00U	EUA	15	12.5	10	6.5	8	M7*0.5	SW 6.4/Ø7.1
0U	EUA	18.5	13.5	13	9.5	11	M9*0.5	SW 7.9/Ø9.1

Alignment Key (0U series)



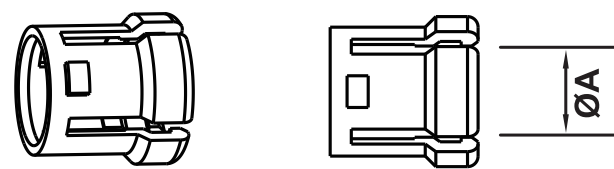
Technical Characteristics

Characteristics	Parameter
Locking Type	push pull self-latching type
Working Temperature	-55°C~ +250°C
Maximum Humidity	up to 95% at 60°/140°F
Shielding Efficiency	75dB(10MHz) 40dB(1GHz)
Resistance to Vibration	15g[10Hz~2000Hz]
Salt spray corrosion test	96hr
Shock resistance	100g,6ms
Endurance	10000 cycles
Protection index(mated)	IP68

INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts		Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)
		 Male	Female 					
00U	302			0.5	10	5	1000	330
	303			0.5	10	3	800	260
	304			0.5	10	2	800	260
	305			0.35	10	1.7	700	200
0U	302			0.9	6	10	1000	500
	303			0.9	6	8	875	400
	304			0.7	7.5	7	875	300
	305			0.7	7.5	6.5	750	300
	306			0.5	10	2.5	750	300
	307			0.5	10	2.5	750	300
	309			0.5	10	2	600	200
	313			0.4	10	2	600	200

Cable Clamp (U SERIES)



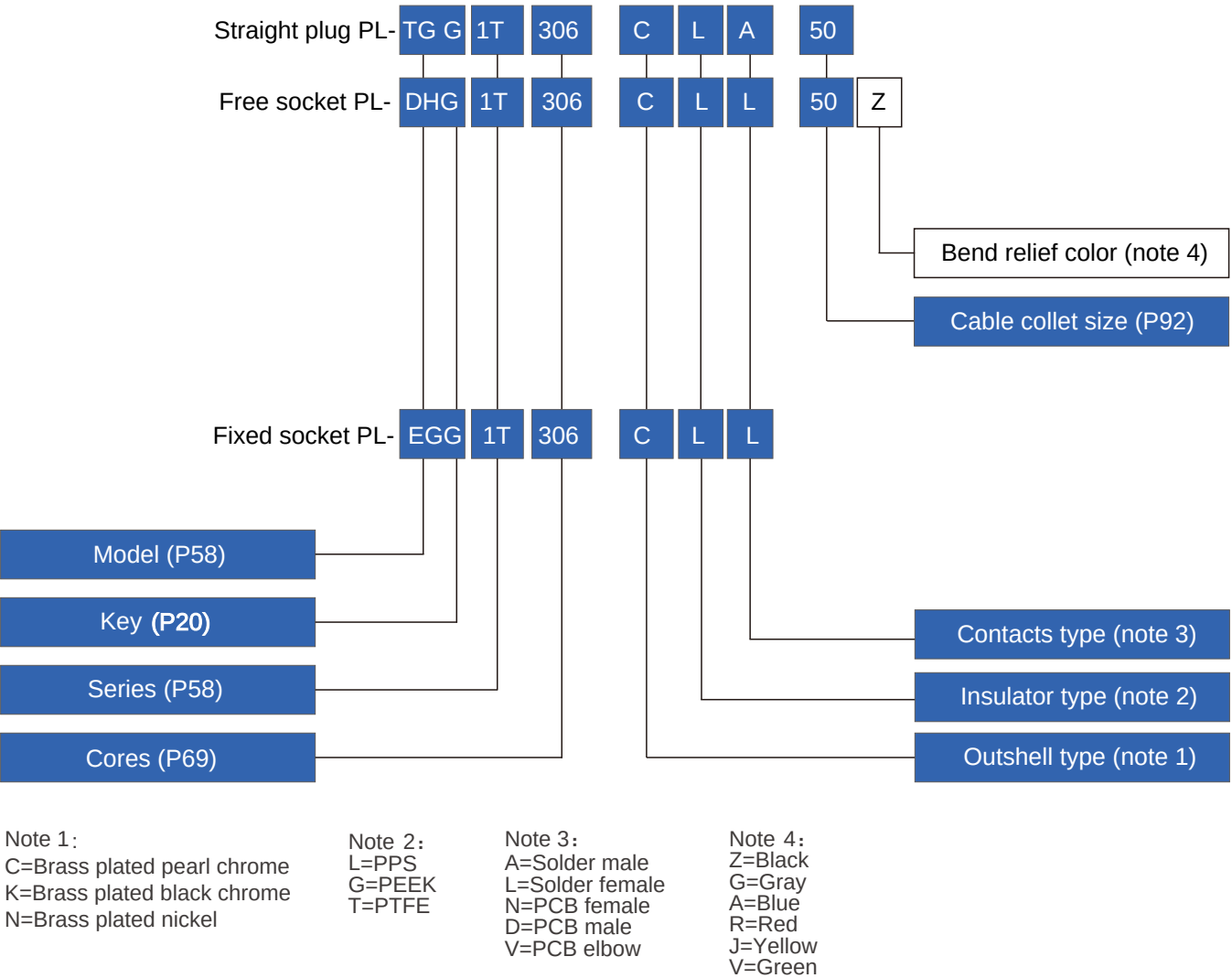
Code	ColletØA (mm)	Cable DiaØ(mm)		Series	
		min.	max.	00U	0U
32	3.2	2.7	3.2	●	
45	4.5	4.0	4.5	●	●
50	5.0	4.6	5.0	●	●
55	5.5	5.0	5.5	●	●
60	6.0	5.6	6.0	●	●

T SERIES (outdoor)--Waterproof IP66-IP68

- Main features:**
- Safe push-pull self-locking system
 - Multi core type, 2-30 cores
 - Solder or PCB contacts (straight and elbow)
 - High density installation, space saving.
 - Opening size M9/M12/M15/M18
 - Multi-key position selection to avoid mixing
 - Key (G is the standard) is used for connector positioning
 - 360 degree shielding full EMC protection
 - IP66-IP68, mating >5000 times



Part number:



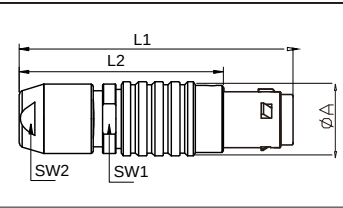
Part number example:

Straight plug:
PL-TGG.1T.306.CLA50=Straight plug, key (G), 1T series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder male contacts, cable collet size 5.0mm.

Free receptacle:
PL-DHG.1T.306.CLL50Z=Free receptacle, Key (G), 1T series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts, cable collet 5.0mm, with black bend relief.

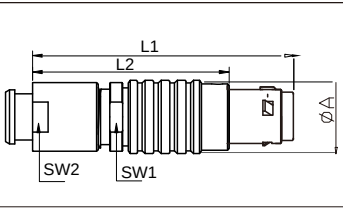
Fixed socket:
PL-EGG.1T.306.CLL=Fixed socket, nut fixing, key (G), 1T series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts.

TGG Straight plug, cable collet



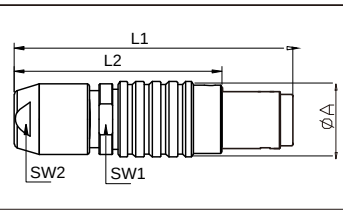
Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
00T	TGG	7.0	32.7	24.7	5.5	6
0T	TGG	9.5	38.0	28.0	7.5	7
1T	TGG	12.0	45.0	34.0	11	9
2T	TGG	15.0	54.0	42.0	14	12
3T	TGG	18.8	62.0	47.0	16	15

TGG Straight plug, cable collet, nut for fitting a bend relief



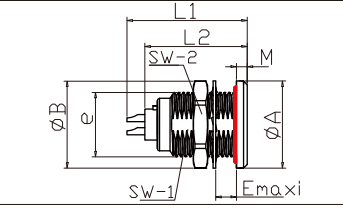
Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
00T	TGG	7.0	33.2	25.2	5.5	5
0T	TGG	9.5	39.0	29.0	7.5	7
1T	TGG	12.0	46.0	35.0	11	9
2T	TGG	15.0	55.0	43.0	14	12
3T	TGG	18.8	64.0	49.0	16	14

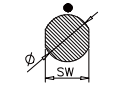
TFG Straight plug, cable collet, non-locking



Reference		Dimensions (mm)				
series	model	A	L1	L2	SW1	SW2
00T	TFG	7.0	33.2	25.2	6	5
0T	TFG	9.5	39.0	29.0	8	7
1T	TFG	12.0	46.0	35.0	10	9
2T	TFG	15.0	55.0	43.0	13	12
3T	TFG	18.8	64.0	49.0	16	14

EGG Fixed socket, nut fixing, fixed inside



Reference		Dimensions (mm)									panel hole
series	model	A	B	e	L1	L2	M	E	SW1	SW2	
00T	EGG	10	10.2	M7*0.5	16	13.5	1.2	5.5	6.3	9	SW 6.4/Ø7.1
0T	EGG	12	12.5	M9*0.6	21	19.1	1.5	6	8.2	11	SW 8.3/Ø9.1
1T	EGG	15.5	16	M12*1.0	23	21.5	1.8	6	10.5	14	SW 10.6/Ø12.1
2T	EGG	18.5	19.6	M15*1.0	26.5	24.6	1.8	17.5	13.5	17	SW 13.6/Ø15.1
3T	EGG	23.5	25.1	M18*1.0	30.1	25	2.5	9.6	16.5	22	SW 16.6/Ø18.1

EEG Fixed socket, nut fitting, fixed outside

Reference		Dimensions (mm)								panel hole 
series	model	A	B	e	L1	L2	P	E	SW1	
00T	EEG	10	10	M7*0.5	16	13.5	7	4.5	6.3	SW 6.4/Ø7.1
0T	EEG	12	12	M9*0.6	21	19.1	9	6.5	8.2	SW 8.3/Ø9.1
1T	EEG	15.5	16	M12*1.0	23	21.5	10	6.5	10.5	SW 10.6/Ø12.1
2T	EEG	18.5	20	M15*1.0	26.5	24.6	11	7.5	13.5	SW 13.6/Ø15.1
3T	EEG	23.5	24	M18*1.0	30.1	25	12	7.5	16.5	SW 16.6/Ø18.1

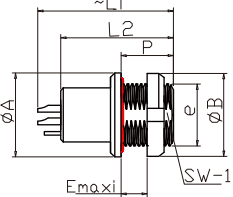
HGG Fixed socket, nut fixing, vacuum or sealed, fixed inside

Reference		Dimensions (mm)									panel hole 
series	model	A	B	e	L1	L2	M	E	SW1	SW2	
00T	HGG	10	10.2	M7*0.5	18	15	1.2	5.5	6.3	9	SW 6.4/Ø7.1
0T	HGG	12	12.5	M9*0.6	22	18.5	1.5	6.5	8.2	11	SW 8.3/Ø9.1
1T	HGG	15.5	16	M12*1.0	26	21.5	1.8	6	10.5	14	SW 10.6/Ø12.1
2T	HGG	18.5	19.6	M15*1.0	30.5	25	1.8	8	13.5	17	SW 13.6/Ø15.1

HEG Fixed socket, vacuum or sealed, nut fixing, fixed outside

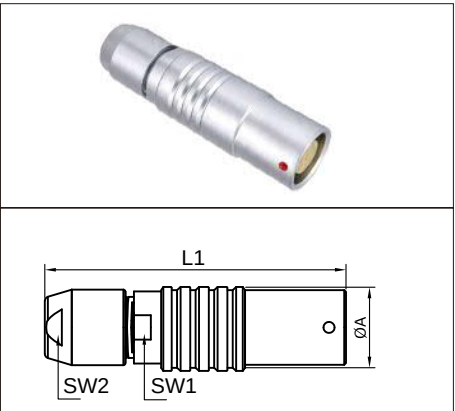
Reference		Dimensions (mm)								panel hole 
series	model	A	B	e	L1	L2	P	E	SW1	
00T	HEG	10.0	10	M7*0.75	18	15	7	4.5	6.3	SW 6.4/Ø7.1
0T	HEG	12.0	12	M9*0.6	22	18.5	9	6.5	8.2	SW 8.3/Ø9.1
1T	HEG	15.5	16	M12*1.0	26	21.5	10	6.5	10.5	SW 10.6/Ø12.1
2T	HEG	18.5	16	M15*1.0	30.5	25	11	7.5	13.5	SW 13.6/Ø15.1

HHG Fixed socket with earth tag, vacuum or sealed, nut fixing, fixed outside



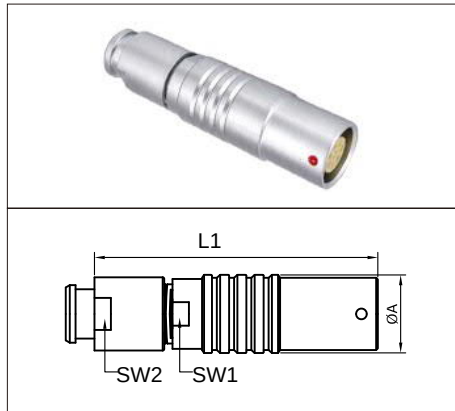
Reference		Dimensions (mm)								panel hole
series	model	A	B	e	L1	L2	P	E	SW1	
00T	HHG	10.0	10	M7*0.75	18	15	7	4.5	6.3	SW 6.4/Ø7.1
0T	HHG	12.0	12	M9*0.6	22	18.5	9	6.5	8.2	SW 8.3/Ø9.1
1T	HHG	15.5	16	M12*1.0	26	21.5	10	6.5	10.5	SW 10.6/Ø12.1
2T	HHG	18.5	20	M15*1.0	30.5	25	11	7.5	13.5	SW 13.6/Ø15.1

DHG Free socket, cable collet



Reference		Dimensions (mm)			
series	model	A	L1	SW1	SW2
00T	DHG	7.0	31.5	5.5	6
0T	DHG	9.5	37.0	7.5	7
1T	DHG	12.0	42.5	11	9
2T	DHG	15.0	51.0	14	12
3T	DHG	18.8	60.0	16	15

DHG Free socket, cable collet, nut for fitting a bend relief



Reference		Dimensions (mm)			
series	model	A	L1	SW1	SW2
00T	DHG	7.0	32.0	5.5	5
0T	DHG	9.5	38.0	7.5	7
1T	DHG	12.0	43.5	11	9
2T	DHG	15.0	52.0	14	12
3T	DHG	18.8	61.5	16	14



W / CS SERIES

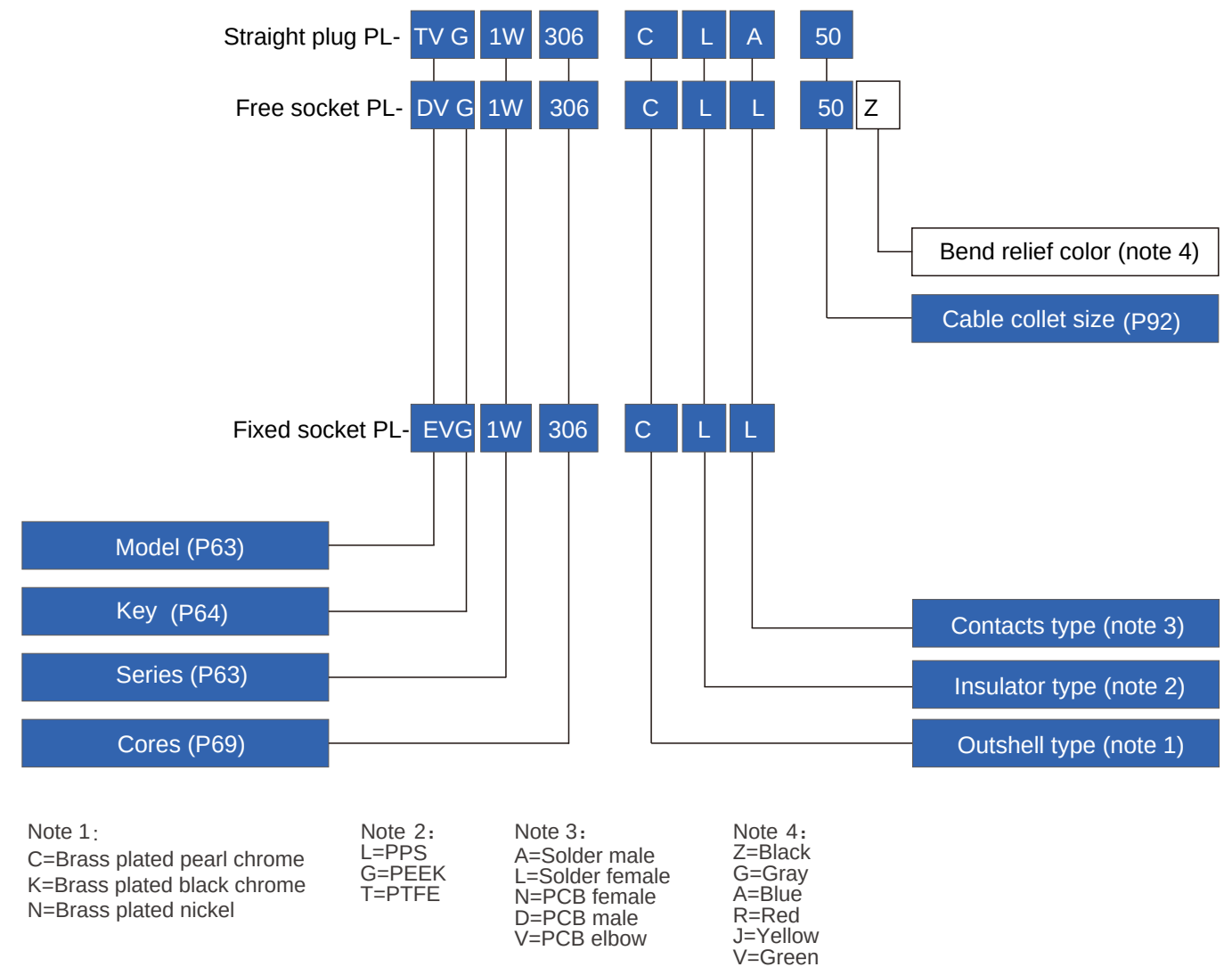
-Designed for outdoor and underwater applications

Main features:

- Stable thread locking structure.
- Solder and PCB contacts.
- High density installation, saving space.
- Four keys are optional.
- Rugged housing design for harsh environment.
- 360 degree shielding full EMC protection.
- IP68, mating>5000 times.
- W series multicore 2-32 cores
- CS series high and low insulators (stepped) 2-18 cores



Part number:



Part number example:

Straight plug:

PL-TVG.1W.306.CLA50=Straight plug, key (G), 1W series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder male contacts, cable collet 5.0mm.

Free receptacle:

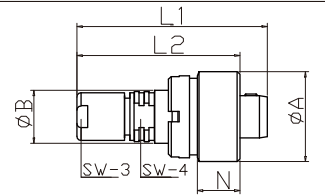
PL-DVG.1W.306.CLL50Z=Free receptacle, Key (G), 1W series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts, cable collet 5.0mm, with black bend relief.

Fixed socket:

PL-EVG.1W.306.CLL=Fixed socket, nut fixing, key (G), 1W series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts.

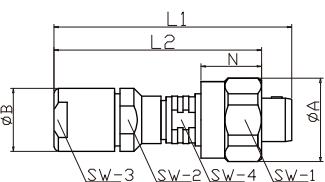
TVG Straight plug, cable collet

		Reference		Dimensions (mm)					
series	model	A	B	L1	L2	N	SW3	SW4	
0W/0CS	TVG	17	8.9	36	29.8	13.5	8	8	



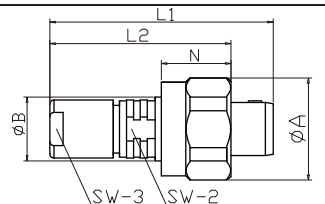
TVG Straight plug, oversize cable collet

		Reference		Dimensions (mm)						
series	model	A	B	L1	L2	N	SW1	SW2	SW3	SW4
0W/0CS	TVG	19.3	14.5	56.5	48.3	14	18	12	12	10
1W/1CS	TVG	23.5	17	68.5	56	15.5	22	15	15	13
2W/2CS	TVG	27.8	22	80.5	67	16.5	26	19	19	-
3W/3CS	TVG	34.3	36	105.5	91.5	17.5	32	30	32	-



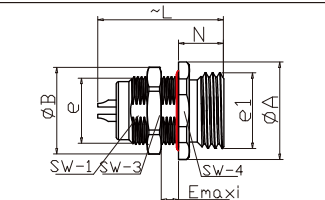
TVG Straight plug, non-locking, cable collet

		Reference		Dimensions (mm)					
series	model	A	B	L1	L2	N	SW2	SW3	
0W/0CS	TVG	17.2	10	36	30.8	16	8	8	
1W/1CS	TVG	19.3	12	43.2	35.1	18	9	10	
2W/2CS	TVG	23.5	16	52.5	43	22	12	13	
3W/3CS	TVG	27.5	17	61.5	48	26	15	-	

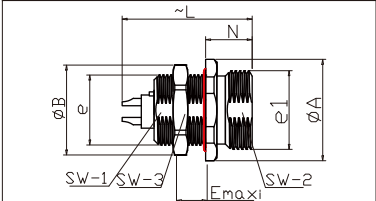


HRG Fixed socket, nut fixing, hexagonal flange, vacuumtight

		Reference		Dimensions (mm)								panel hole
series	model	A	B	e	e1	L	N	E	SW1	SW3	SW4	
0W/0CS	HRG	18	16	M12*1.0	M14*1.0	24.1	8	5.5	10.5	14	17	SW 10.6/Ø14.1

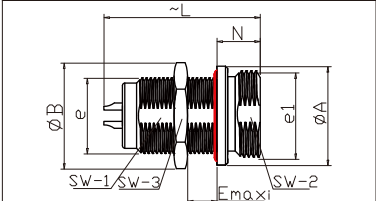


EVG Fixed socket, nut fixing

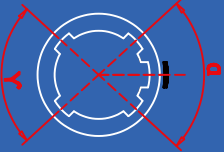
Reference		Dimensions (mm)										panel hole
series	model	A	B	e	e1	L	N	E	SW1	SW2	SW3	
0W/CS	EVG	16.2	16	M12*1.0	M14*1.0	21.7	8	4	10.5	12.5	14	SW 10.6/Ø12.1
1W/CS	EVG	18.3	19.5	M14*1.0	M16*1.0	27	8	8	12.5	14.5	17	SW 12.6/Ø14.1
2W/CS	EVG	22.5	21.8	M16*1.0	M20*1.0	30.7	9	9	14.5	18.5	19	SW 14.6/Ø16.1
3W/CS	EVG	26.6	27	M20*1.0	M24*1.0	36.2	9.5	13	18.5	22.5	24	SW 18.6/Ø20.1

HVG Fixed socket, nut fixing, vacuumtight

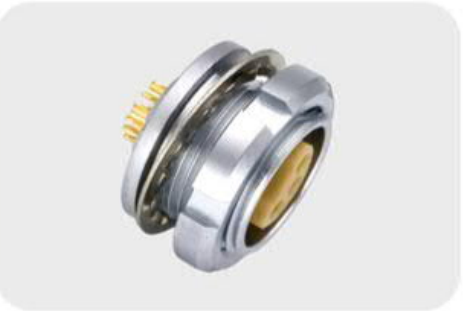



Reference		Dimensions (mm)										
series	model	A	B	e	e1	L	N	E	SW1	SW2	SW3	
0W/CS	HVG	16.2	16	M12*1.0	M14*1.0	24.1	8	5.5	10.5	12.5	14	SW 10.6/Ø14.1
1W/CS	HVG	18.3	19.5	M14*1.0	M16*1.0	30	8	11.5	12.5	14.5	17	SW 12.6/Ø16.1
2W/CS	HVG	22.5	21.8	M16*1.0	M20*1.0	35.8	9	14.5	14.5	18.5	19	SW 14.6/Ø20.1
3W/CS	HVG	26.6	27	M20*1.0	M24*1.0	42.2	9.5	17.5	18.5	22.5	24	SW 18.6/Ø24.1

Alignment Key (W /CS series)

Socket front view 		Reference	Nb of keys	Angles	series	contact type		Note
					0W-3W	plug	socket	
		G	1		0°	male	female	●
		A	2	α	30°			
		B	2	α	45°			
		L	2	γ	75°	female	male	○

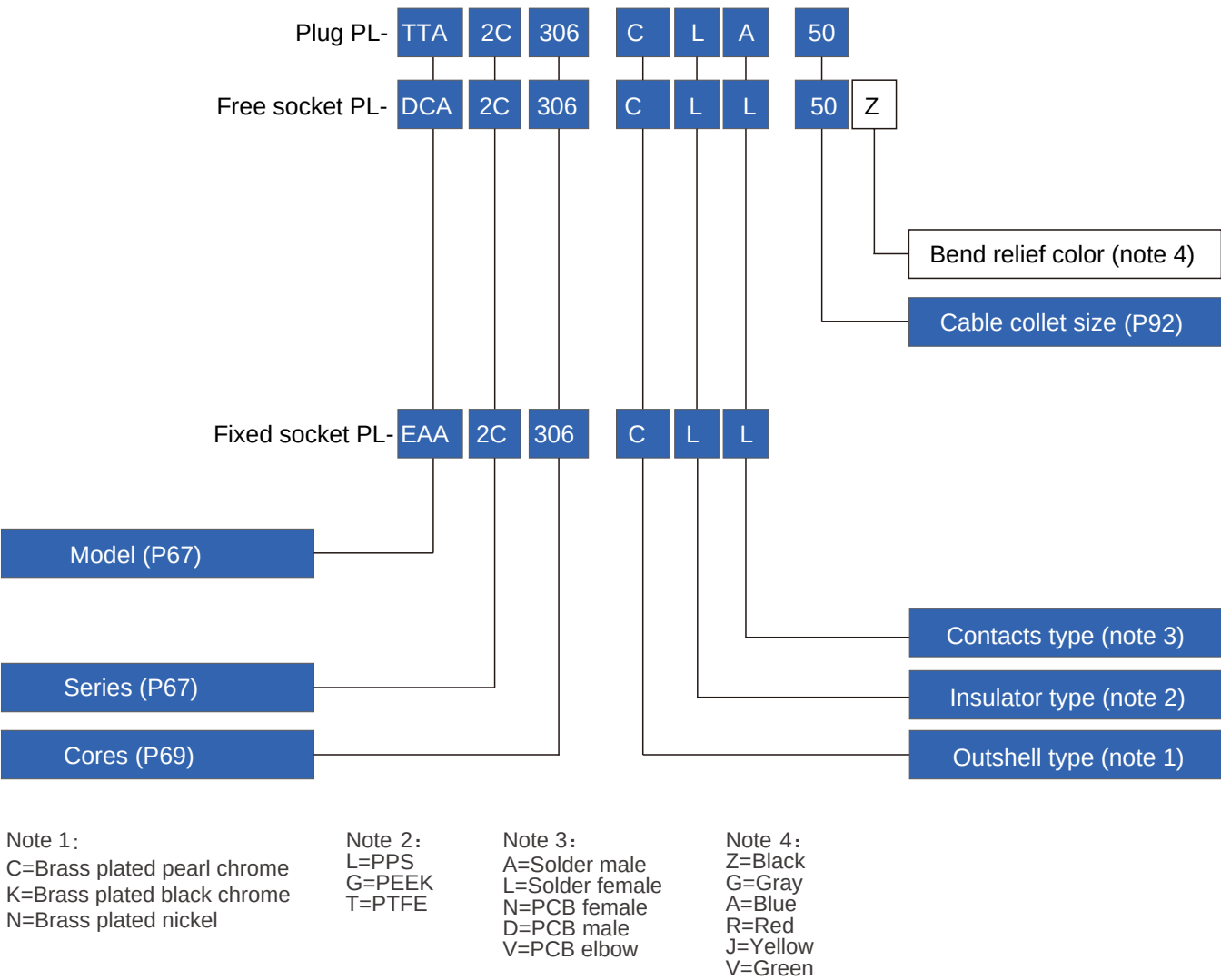
Note ● First choice alternative
○ Special order alternative



2C SERIES
-Ultra short type connector

- Main features:**
- Safety push-pull self-locking system
 - Multi core type 2-14 cores
 - Ultra short series (<30mm in length)
 - 360 degree shielding full EMC protection
 - High and low insulator to prevent misconnection

Part number:



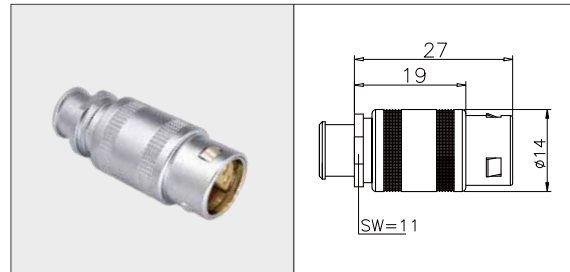
Part number example:

Straight plug:
PL-TTA.2C.306.CLA50= Straight plug, high and low insulator, 2C series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder male contacts, cable collet 5.0mm.

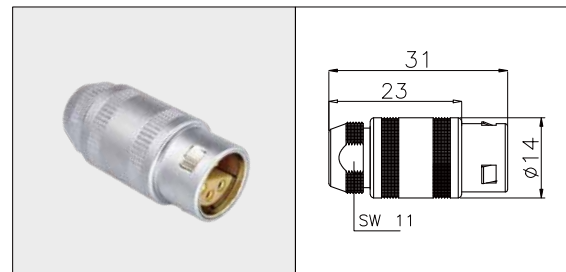
Free receptacle:
PL-DCA.2C.306.CLL50Z= Free receptacle, high and low insulator, 2C series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts, cable collet 5.0mm, with black bend relief.

Fixed socket:
PL-EAA.2C.306.CLL= Fixed socket, nut fixing, high and low insulator, 2C series, multi-core type, 6-core, brass pearl chrome plated shell, PPS insulator, solder female contacts.

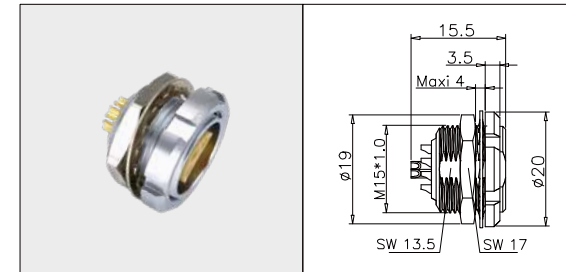
TTA Straight plug, cable collet, nut for a bend relief



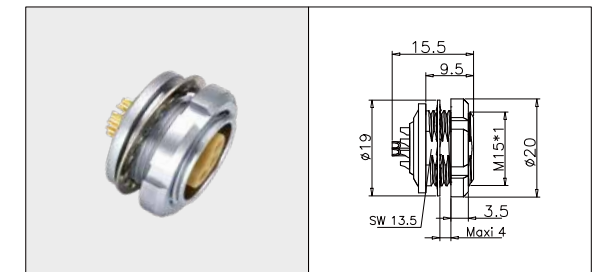
TTA Straight plug, cable collet



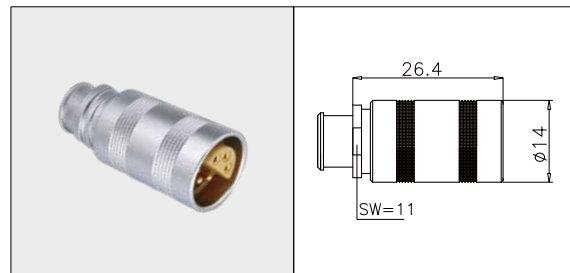
ECP Fixed socket, two nuts, back panel mounting



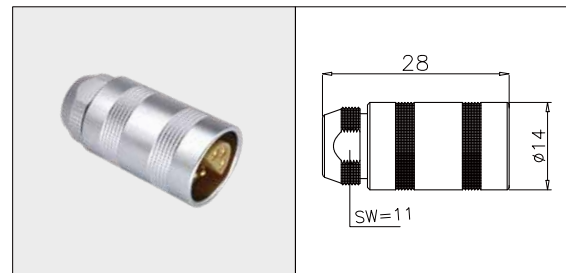
EEP Fixed socket, nut fixing, back panel mounting



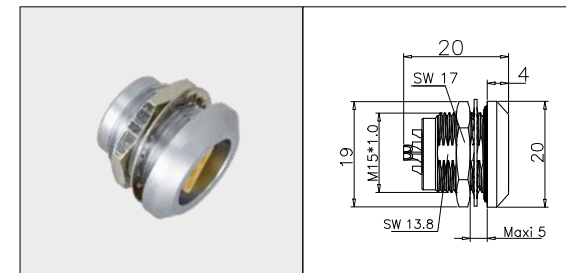
DCA Free socket, cable collet, nut for a bend relief



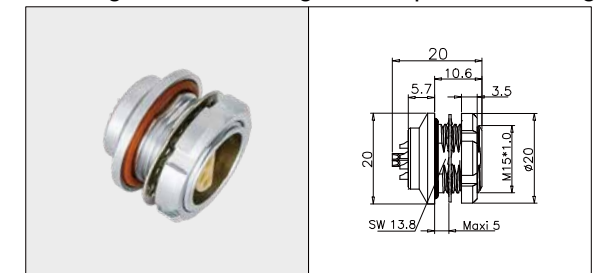
DCA Free socket, cable collet



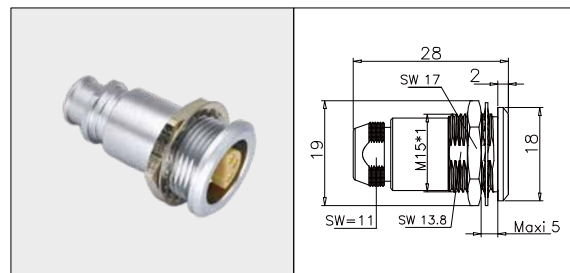
HGP Fixed socket, nut fixing, watertight or vacuum-tight



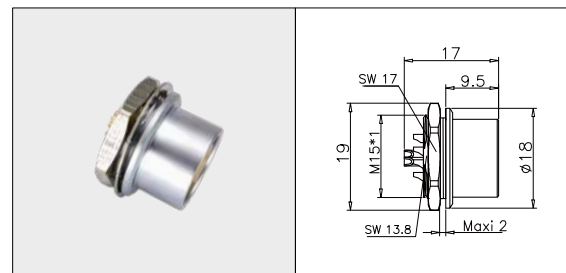
HEP Fixed socket, nut fixing, watertight or vacuum-tight, back panel mounting



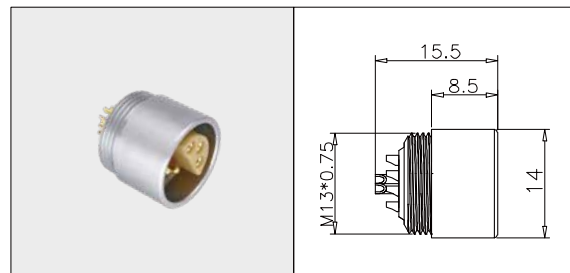
DSA Fixed socket, nut fixing, cable collet



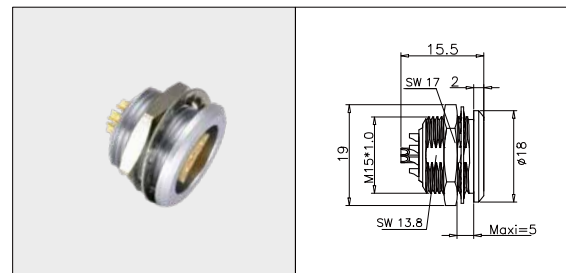
EAA Fixed socket, nut fixing



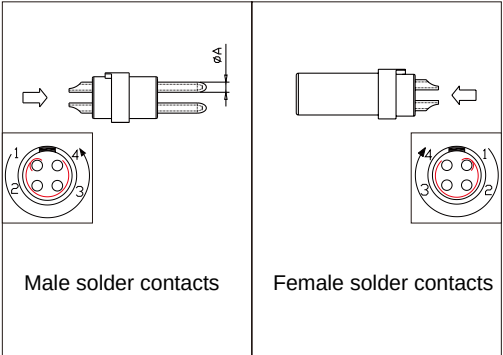
ERY Fixed socket, protruding shell, panel thread fixing



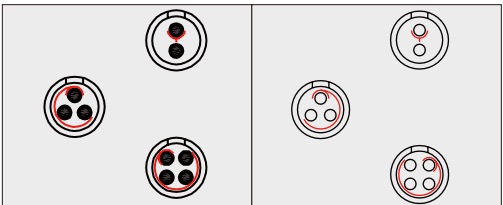
ERA Fixed socket, nut fixing



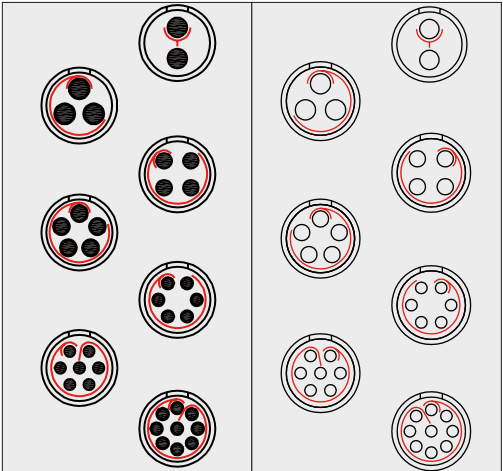
Multipole layout



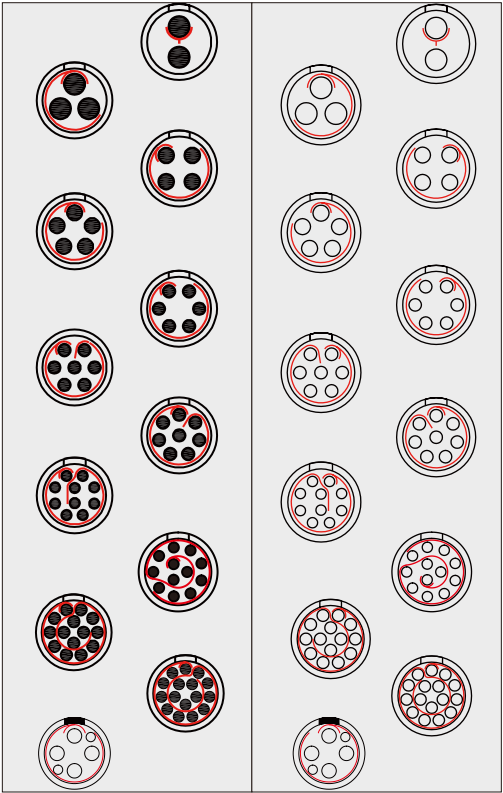
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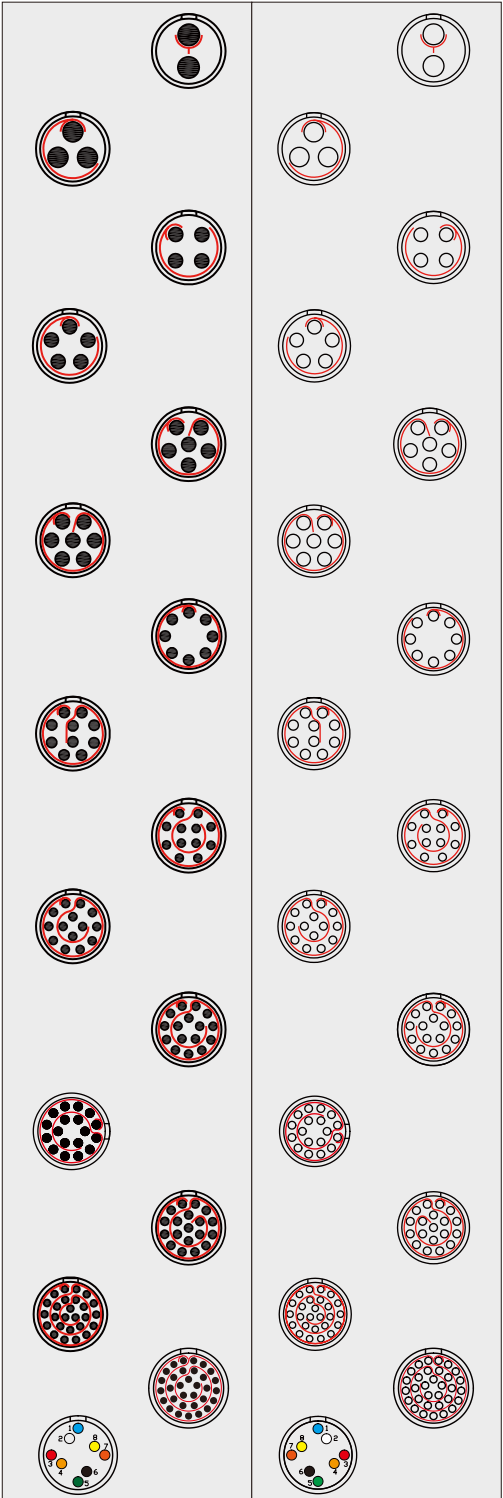
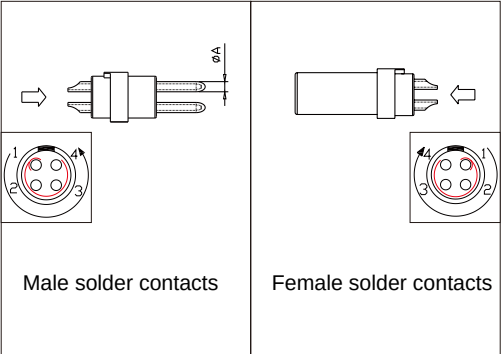
0B
0K
0C
0T
0W



1B
1K
1C
1T
1W

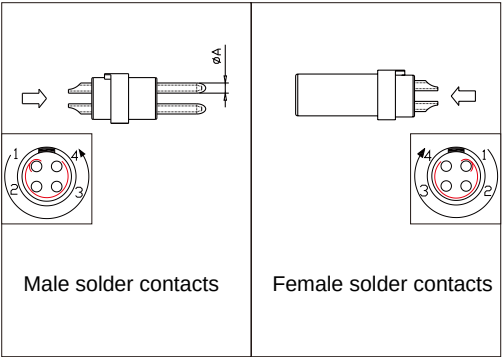


Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	
302	2	0.5	●	●	●	1.00	0.95	5.0
303	3	0.5	●	●	●	0.80	0.95	3.0
304	4	0.5	●	●	●	0.80	0.65	2.0
302	2	0.9	●	●	●	1.30	1.05	10.0
303	3	0.9	●	●	●	1.20	0.90	8.0
304	4	0.7	●	●	●	0.85	0.70	7.0
305	5	0.7	●	●	●	1.00	0.70	6.5
306	6	0.5	●	●	●	0.85	0.65	2.5
307	7	0.5	●	●	●	0.80	0.70	2.5
309	9	0.5	●	●	○	0.60	0.60	2.0
302	2	1.3	●	●	●	1.50	1.3 5	15.0
303	3	1.3	●	●	●	1.30	1.5 5	12.0
304	4	0.9	●	●	●	1.35	1.4 5	10.0
305	5	0.9	●	●	●	1.25	1.1 5	9.0
306	6	0.7	●	●	●	1.05	1.20	7.0
307	7	0.7	●	●	●	0.95	1.05	7.0
308	8	0.7	●	●	●	0.95	1.1 5	5.0
310	10	0.5	●	●	●	0.90	1.50	2.5
312	12	0.5	●	●	●	0.80	1.20	2.0
314	14	0.5	●	●	●	0.80	1.20	2.0
316	16	0.5	●	●	●	0.80	1.2 5	1.5
106	6	0.5	●	●	●	0.80	1.2 5	1.5

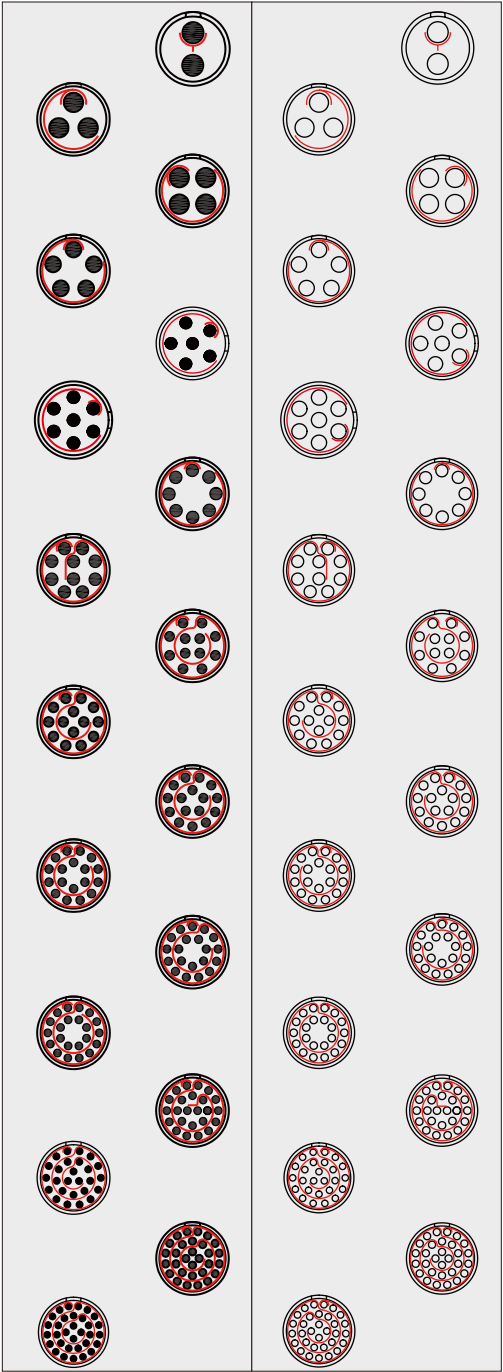


Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	
302	2	2.0	●	●	●	2.10	1.75	30
303	3	1.6	●	●	●	2.40	1.85	17
304	4	1.3	●	●	●	1.85	1.85	15
305	5	1.3	●	●	●	1.75	1.60	14
306	6	1.3	●	●	●	1.35	1.45	12
307	7	1.3	●	●	●	1.75	1.60	11
308	8	0.9	●	●	●	1.50	1.25	10
310	10	0.9	●	●	●	1.45	1.30	8
312	12	0.7	●	●	●	1.25	1.35	7
314	14	0.7	●	●	●	1.15	1.35	6.5
316	16	0.7	●	●	●	0.95	1.25	6
318	18	0.7	●	●	●	0.85	1.20	5.5
319	19	0.5	●	●	●	0.95	1.25	5.0
326	26	0.5	●	●	○	0.95	1.30	2.0
332	32	0.5	●	●	○	0.80	1.20	1.5
514	8	0.7	●	●	○	1.5	1.6	10

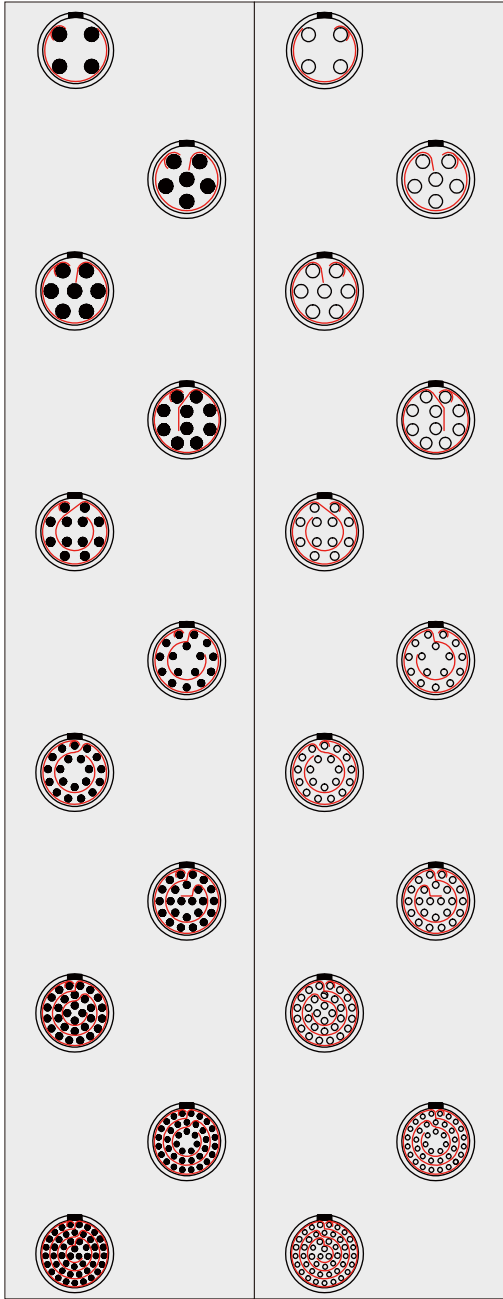
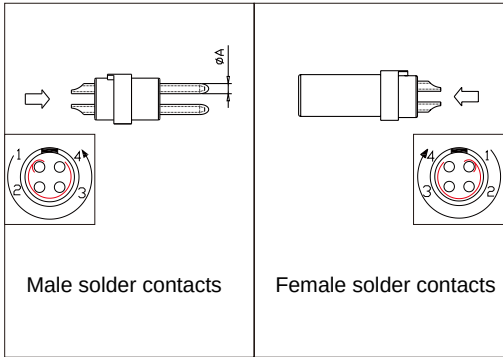
2B
2K
2C
2T
2W



3B
3K
3C
3T
3W



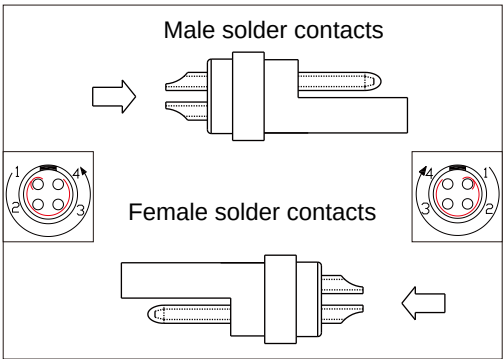
Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	
302	2	3.0	●	●	●	2.1 0	1.55	35.0
303	3	2.0	●	●	●	1.9 0	1.50	25.0
304	4	2.0	●	●	●	1.45	1.25	19.0
305	5	1.6	●	●	●	1.9 0	1.2 5	19.0
306	6	1.6	●	●	●	1.60	1.1 5	17.0
307	7	1.6	●	●	●	1.7 0	1.2 5	15.0
308	8	1.3	●	●	●	1.65	1.1 5	13.0
310	10	1.3	●	●	●	1.2 5	0.9 0	12.0
312	12	0.9	●	●	●	1.4 5	1.0 0	9.0
314	14	0.9	●	●	●	1.2 0	1.2 0	9.0
316	16	0.9	●	●	●	1.2 0	0.8 5	8.0
318	18	0.9	●	●	●	1.2 0	1.0 5	7.0
320	20	0.7	●	●	●	1.0 0	0.9 0	6.0
322	22	0.7	●	●	●	1.0 0	0.9 0	5.5
324	24	0.7	●	●	●	0.9 5	0.8 0	4.0
326	26	0.7	●	●	●	0.9 5	0.7 0	4.0
330	30	0.7	●	●	●	0.8 0	0.7 0	3.5
332	32	0.7	●	●	●	0.8 0	0.7 0	3.5



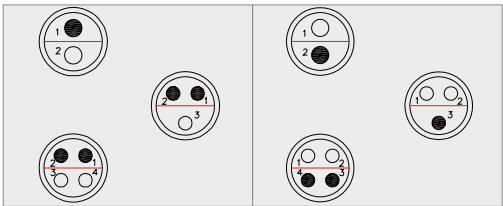
4B
4K
4C
4T

Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	
304	4	3.0	●	●	●	2.10	1.50	30.0
306	6	2.0	●	●	●	2.00	1.75	24.0
307	7	2.0	●	●	●	2.00	1.80	20.0
310	10	1.6	●	●	●	1.85	1.30	17.0
312	12	1.3	●	●	●	1.45	1.60	12.0
316	16	0.9	●	●	●	1.35	1.50	10.0
320	20	0.9	●	●	●	1.35	1.00	8.0
324	24	0.9	●	●	●	1.20	1.45	7.0
330	30	0.9	●	●	●	0.95	0.85	5.0
340	40	0.7	●	●	●	0.90	0.90	2.0
348	48	0.7	●	●	●	0.70	0.70	1.5

0S
0CS

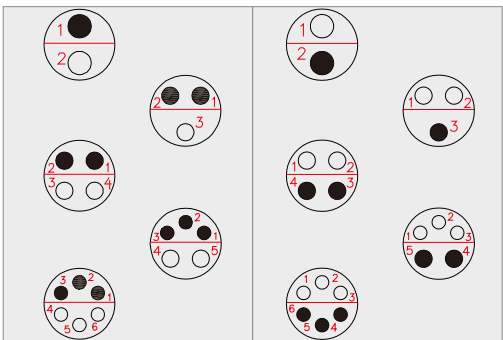


Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms)	Test voltage (kV dc)	



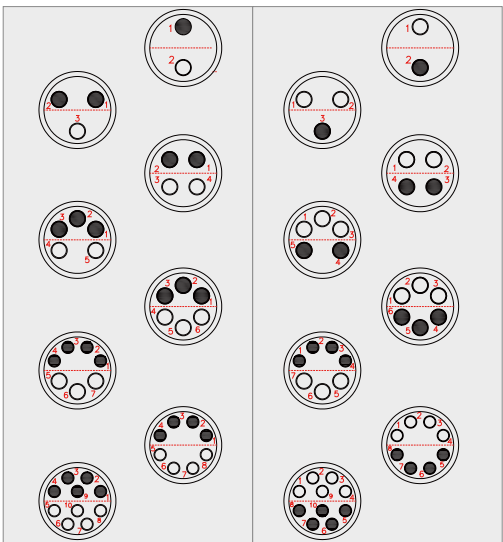
302	2	0.9	●	●	●	1.1	1.6	10
303	3	0.7	●	●	●	1.0	1.5	7
304	4	0.7	●	●	●	1.0	1.5	7

1S
1CS

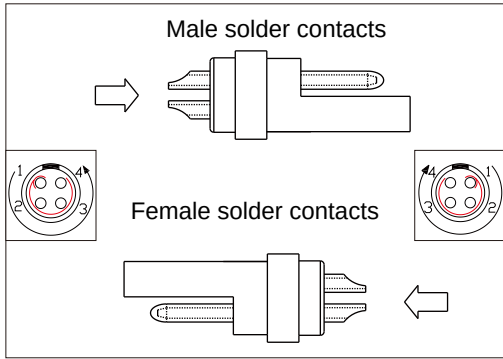


302	2	1.3	●	●	●	1.2	1.8	15
303	3	0.9	●	●	●	1.2	1.8	10
304	4	0.9	●	●	●	1.2	1.8	10
305	5	0.7	●	●	●	1.5	2.1	10
306	6	0.7	●	●	●	1.2	2.1	7

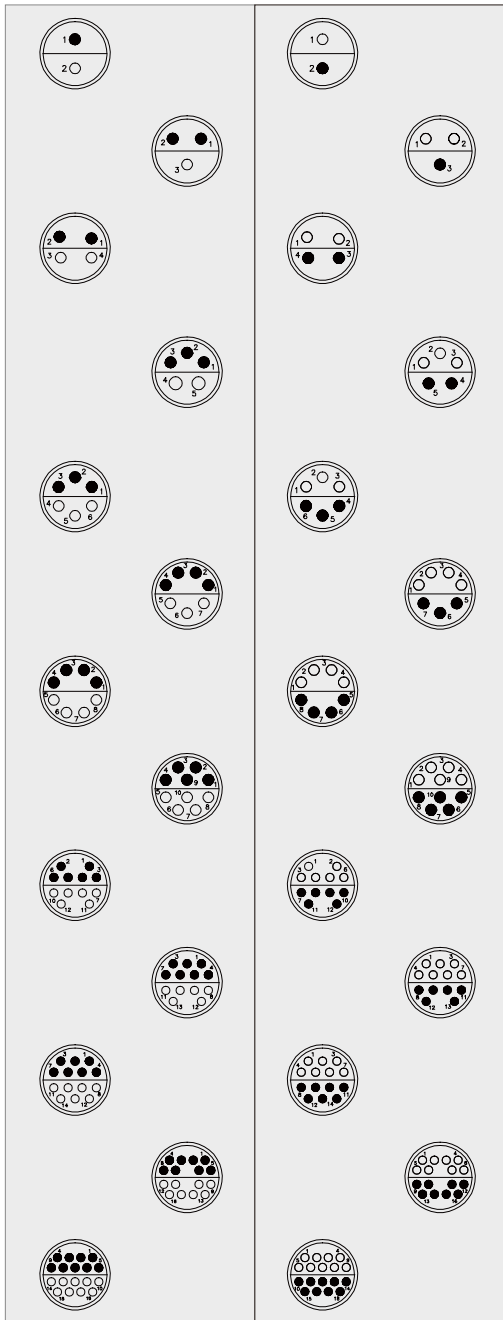
2S
2CS



302	2	1.6	●	●	●	1.7	2.4	20
303	3	1.3	●	●	●	1.5	2.1	15
304	4	1.3	●	●	●	1.7	2.4	15
305	5	1.3	●	●	●	1.5	2.1	13
306	6	1.3	●	●	●	1.5	2.1	12
307	7	0.9	●	●	●	0.8	1.8	12
308	8	0.9	●	●	●	0.8	1.8	9
310	10	0.9	●	●	●	0.8	1.8	7



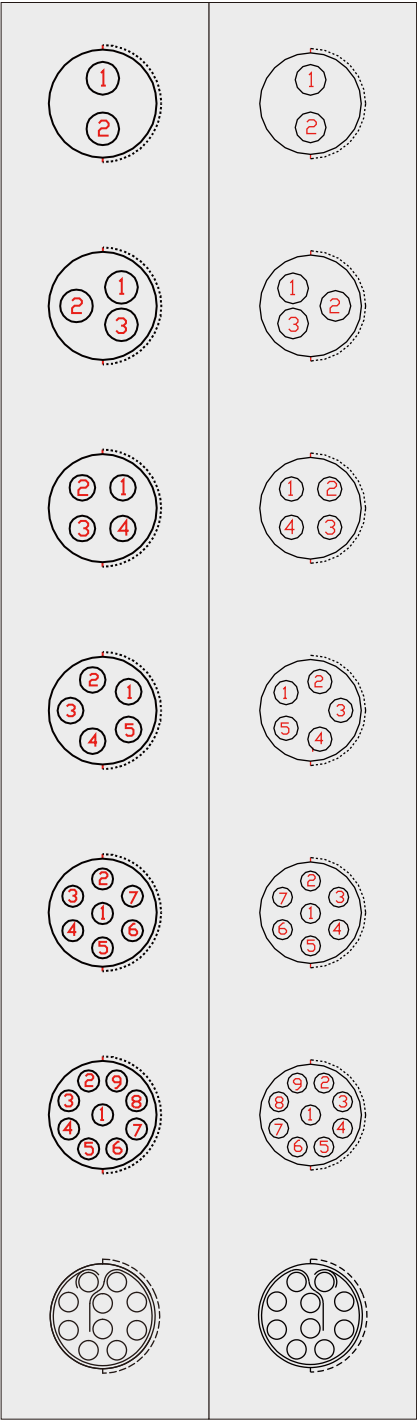
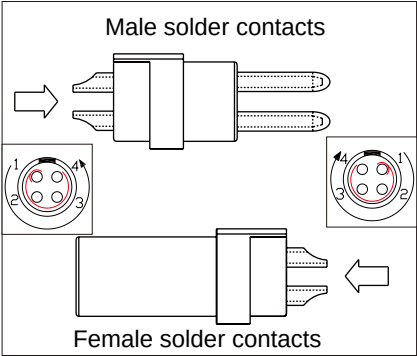
Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms)	Test voltage (kV dc)	



302	2	2.0	●	●	○	3.0	4.2	23
303	3	2.0	●	●	○	1.5	2.1	20
304	4	2.0	●	●	○	1.5	2.1	18
305	5	2.0	●	●	○	1.5	2.1	18
		1.3				1.5	2.1	14
306	6	1.3	●	●	●	2.1	3.0	14
307	7	1.3	●	●	●	1.0	1.5	12
308	8	1.3	●	●	○	1.0	1.5	10
310	10	1.3	●	●	●	1.0	1.5	9
312	12	0.9	●	●	●	1.5	2.1	8
313	13	0.9	●	●	○	1.5	2.1	8
314	14	0.9	●	●	●	1.5	2.1	7
316	16	0.9	●	●	●	1.0	1.5	7
318	18	0.9	●	●	○	1.0	1.5	6

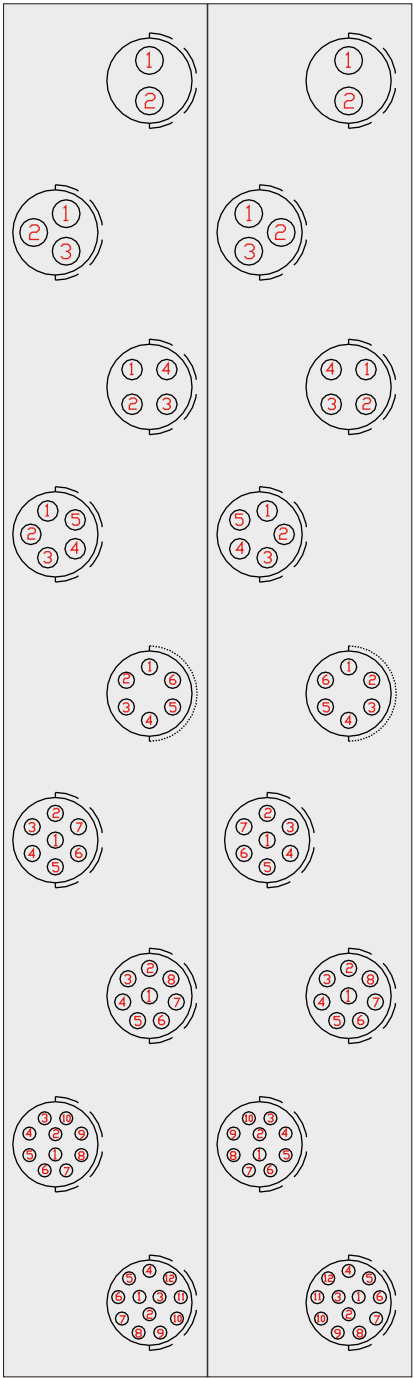
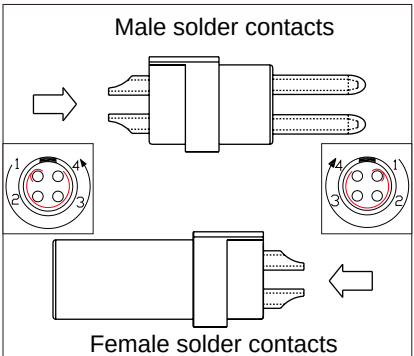
3S
3CS

102F



Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	
102 A Z 051	2	0.9	●	●	●	1.7	1.3	9.2
102 A Z 052	3	0.9	●	●	●	1.3	1.3	8.2
102 A Z 053	4	0.7	●	●	●	1.2	1.2	5.5
102 A Z 054	5	0.7	●	●	●	1.0	0.8	5.2
102 A Z 056	7	0.5	●	●	●	1.0	0.8	2.0
102 A Z 059	9	0.5	●	●	●	1.1	0.8	1.7
102 A Z 060	10	0.5	●	●	●	1.1	0.8	1.7

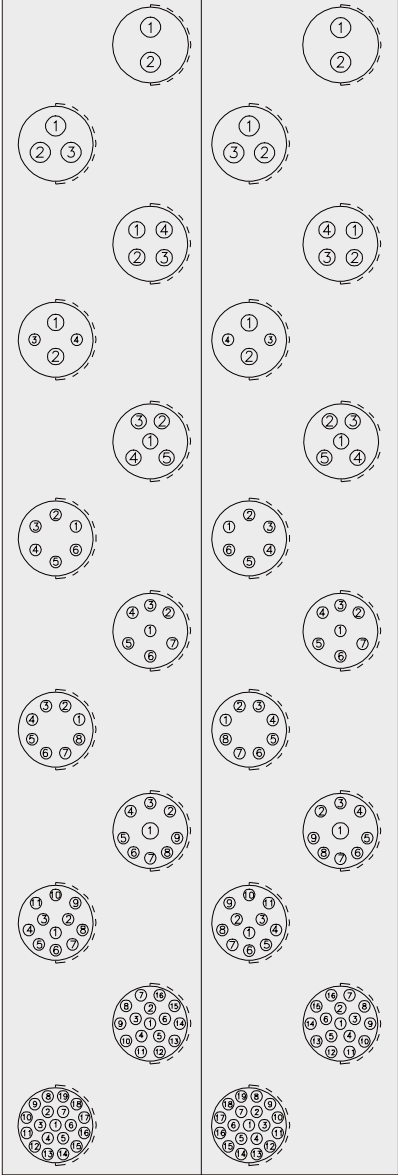
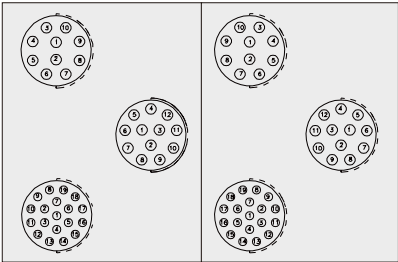
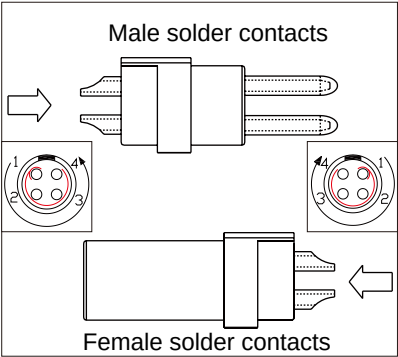
103F



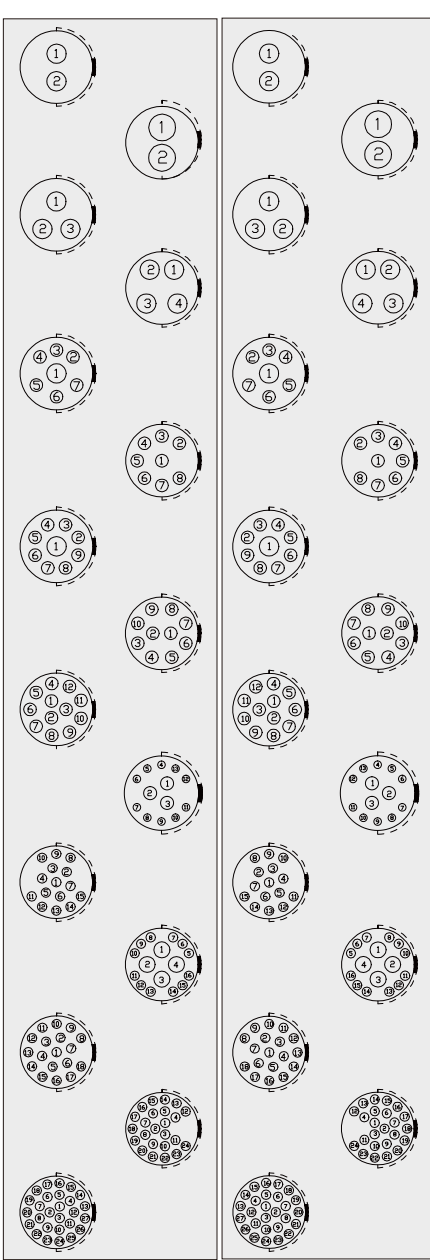
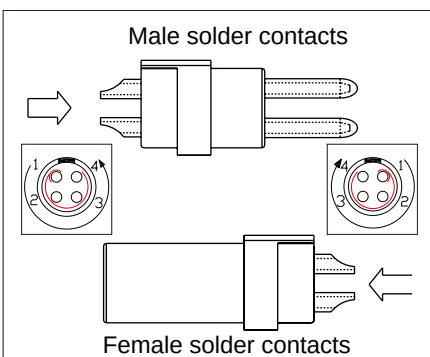
Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	
103 A Z 051	2	1.3	●	●	●	2.2	1.5	13
103 A Z 052	3	1.3	●	●	●	1.5	1.2	12
103 A Z 053	4	0.9	●	●	●	1.6	1.2	7
103 A Z 054	5	0.9	●	●	●	1.4	1.1	6.8
103 A Z 056	6	0.7	●	●	●	1.3	1.0	5.2
103 A Z 057	7	0.7	●	●	●	1.3	1.0	5.0
103 A Z 058	8	0.7	●	●	●	1.1	0.8	3.8
103 A Z 010	10	0.5	●	●	●	0.9	2	2.5
103 A Z 062	12	0.5	●	●	●	1.2	0.9	2

1031F

104F



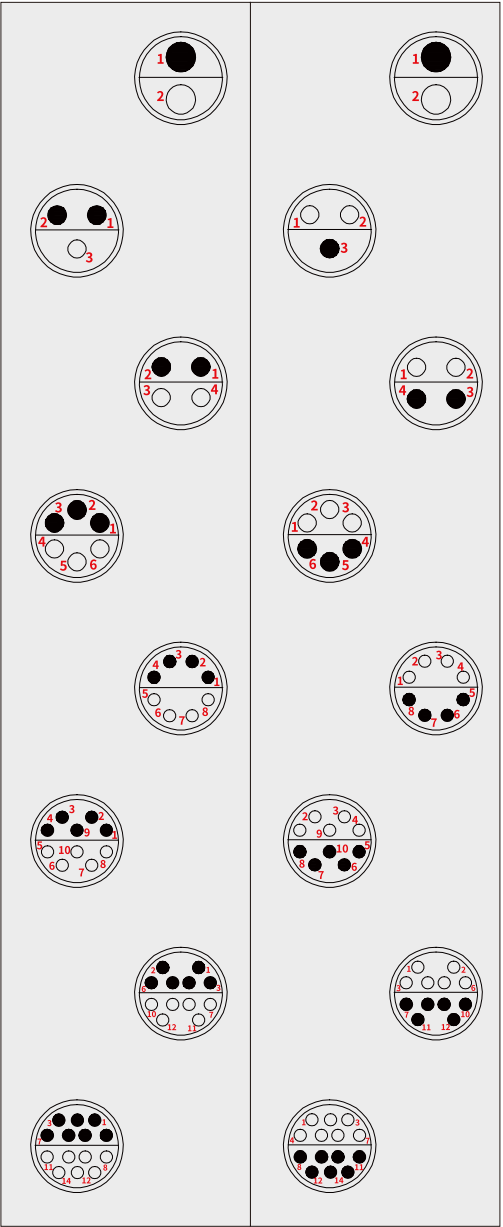
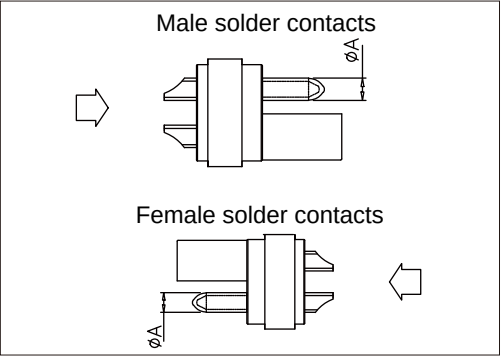
Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	
1031 A Z 010	10	0.7	●	●	●	1.5	1.4	4.5
1031 A Z 012	12	0.7	●	●	●	1.5	1.4	4.2
1031 A Z 019	19	0.5	●	●	●	0.9	1.2	2.5
104 A Z 051	2	1.6	●	●	●	2.2	1.8	20
104 A Z 040	3	1.6	●	●	●	2.0	1.6	18
104 A Z 037	4	1.3	●	●	●	2.2	1.8	12
104 A Z 087	4	2	●	●	●	2.3	1.6	28
		2				0.9		3.0
104 A Z 053	5	1.3	●	●	●	1.7	1.4	11
104 A Z 065	6	0.9	●	●	●	2.0	1.7	6.5
104 A Z 054	7	0.9	●	●	●	1.8	1.5	6.5
104 A Z 066	8	0.9	●	●	●	1.5	1.5	6.2
104 A Z 055	9	1	●	●	●	1.3	2.2	12
		8				0.9		6
104 A Z 056	11	0.9	●	●	●	1.5	1.4	5.8
104 A Z 086	16	0.7	●	●	●	1.5	1.0	4.0
104 A Z 092	19	0.7	●	●	●	1.2	0.68	3.5



Reference	Number of contacts	ø A (mm)	Contact type			Solder contacts		Rated current (A)
			Solder	Print (straight)	Print (elbow)	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	
105 A Z 051	2	2.0	●	●	●	3.0	2.5	26
105 A Z 087	2	3.0	●	●	●	1.6	1.2	30
105 A Z 052	3	2.0	●	●	●	2.5	2.0	23
105 A Z 053	4	2.0	●	●	●	1.8	1.8	20
105 A Z 054	7	1	●	●	●	2.0	3.0	25
		6						7
105 A Z 067	8	1.3	●	●	●	2.0	1.7	10
105 A Z 101	9	1	●	●	●	2.0	3.0	25
		8						5
105 A Z 062	10	1.3	●	●	●	2.0	1.7	9.0
105 A Z 069	12	1.3	●	●	●	1.5	1.4	8.0
105 A Z 104	13	3	●	●	●	1.3	1.5	14
		10						1
105 A Z 058	15	0.9	●	●	●	1.6	1.4	5.3
105 A Z 110	16	4	●	●	●	1.3	1.6	14
		12						1
105 A Z 038	18	0.9	●	●	●	1.6	1.4	4.5
105 A Z 093	24	0.7	●	●	●	1.5	1.2	3.5
105 A Z 102	27	0.7	●	●	●	1.5	1.2	3.0

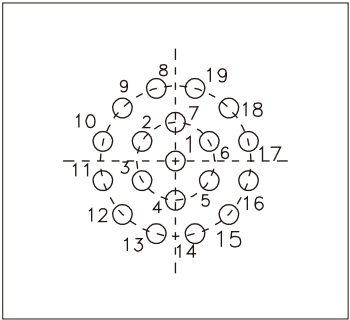
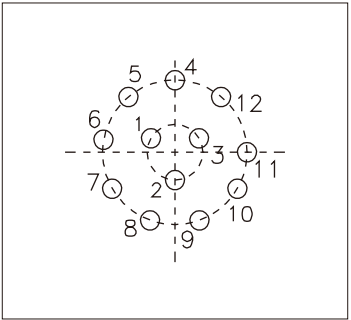
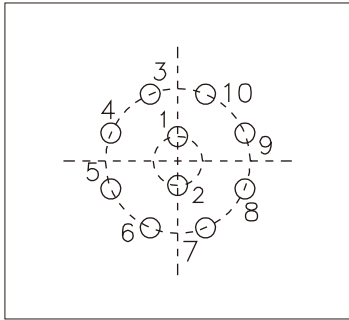
105F

2C

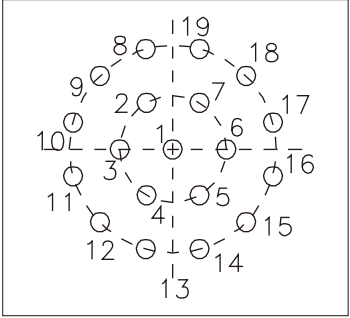
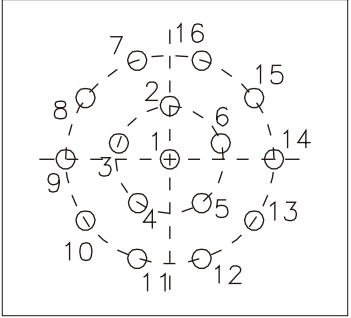
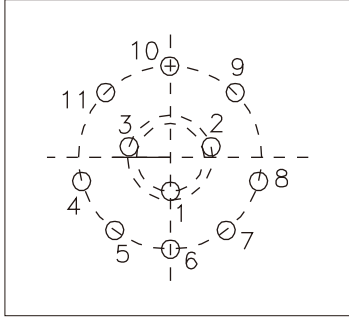
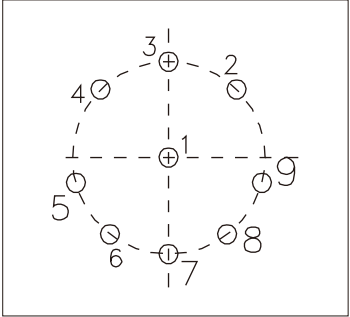
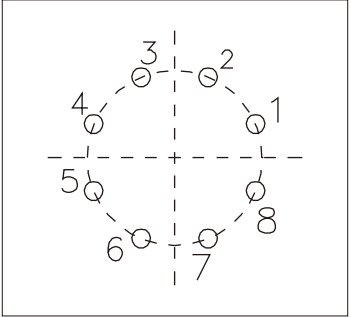
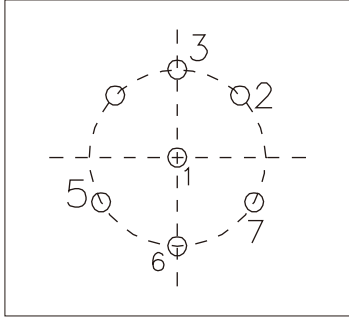
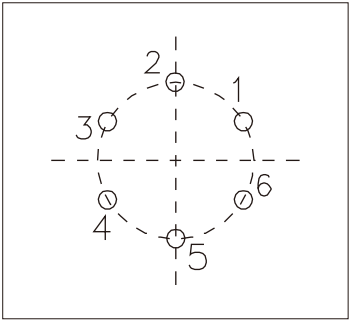
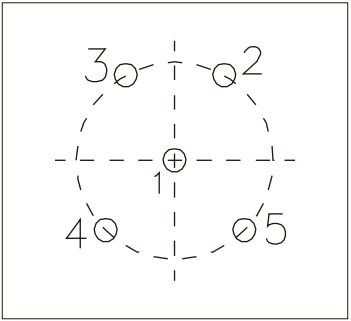
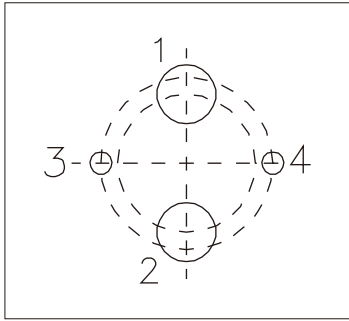
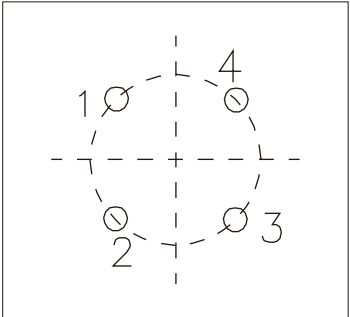
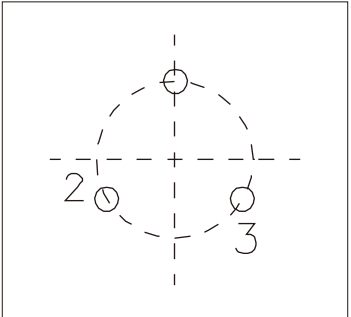
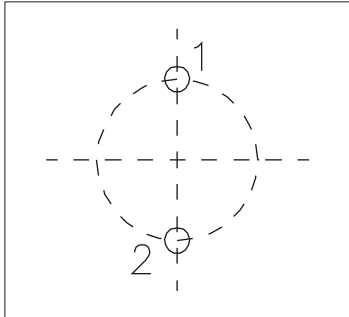


Reference	Number of contacts	ø A (mm)	Contact type		Solder contacts		Rated current (A)
			Solder	Print (straight)	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	
302	2	1.6	●	-	1.8	2.4	20
303	3	1.3	●	-	1.5	2.1	15
304	4	1.3	●	-	1.8	2.4	15
306	6	1.3	●	-	1.5	2.1	12
308	8	0.7	●	●	0.95	1.35	7
310	10	0.7	●	●	0.95	1.35	7
312	12	0.7	●	●	0.60	0.9	5
314	14	0.7	●	●	0.60	0.9	5

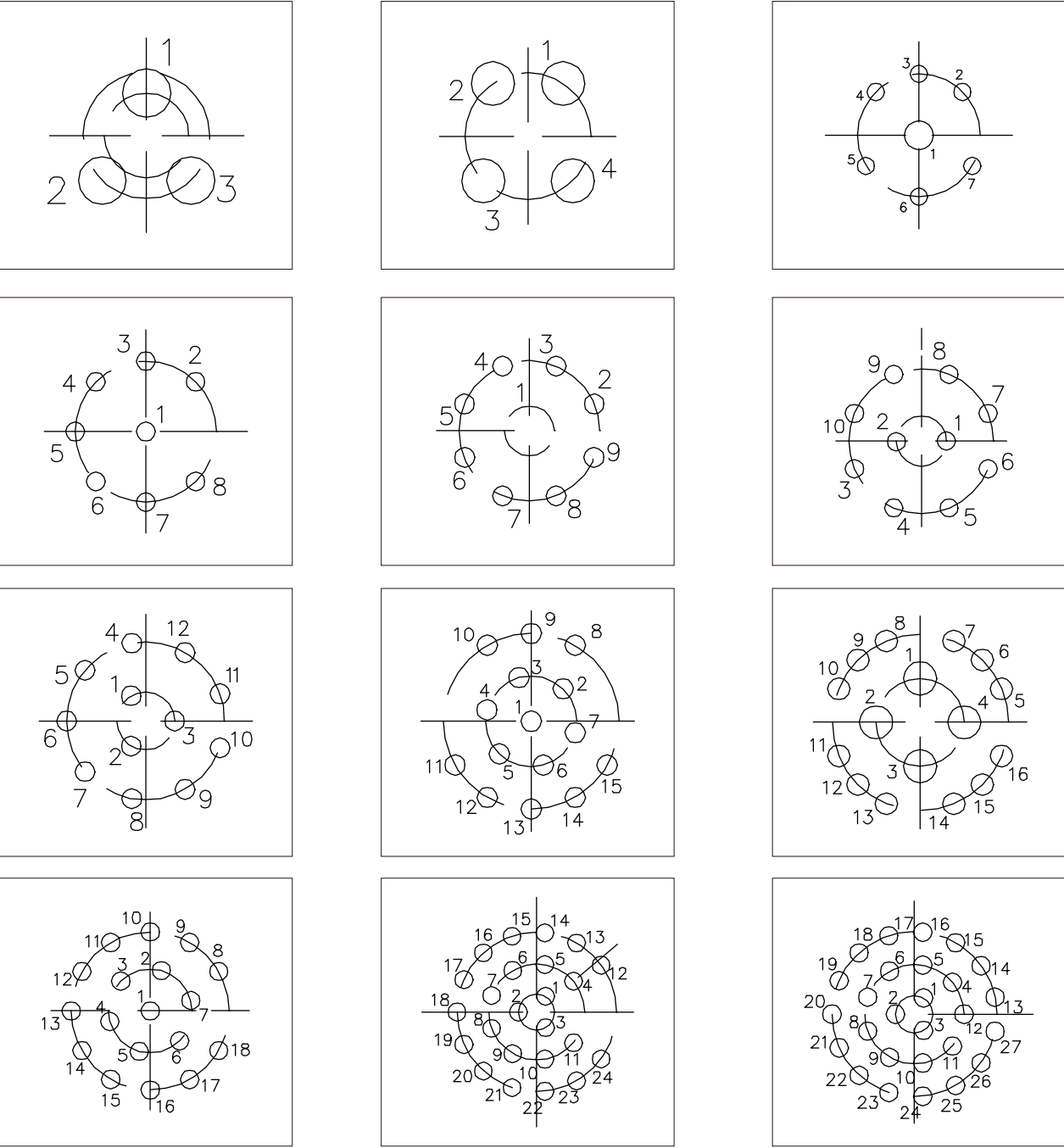
1031F PCB drilling pattern



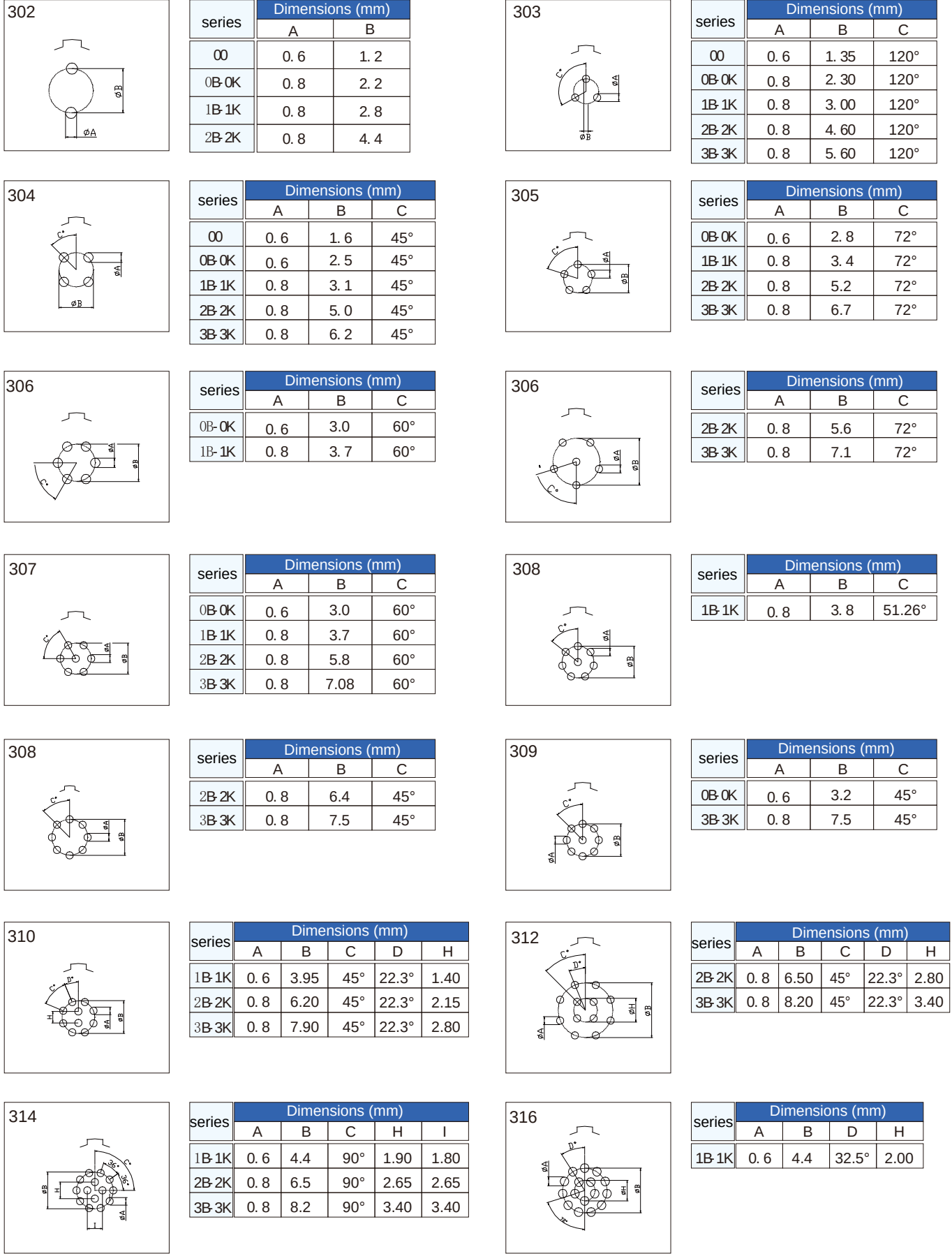
104F PCB drilling pattern



103F PCB drilling pattern



PCB drilling pattern, fixed socket with straight print contact (B-K-T series)



316

Technical drawing of a circular part. A sector of 72° is shown, divided into two regions labeled P° and E°. The part has an outer diameter of ϕB and an inner diameter of ϕH . A small rectangular feature on the left has a width of ϕA . The drawing includes a circular pattern of 12 holes arranged in two concentric circles of 6 holes each.

318

Technical drawing of a circular part with a sector cutout. The drawing shows a circular base with a sector removed. The sector is defined by a central angle of 60° and a radius of 100. The remaining part has an outer diameter of $\varnothing 100$ and an inner diameter of $\varnothing 50$. The sector cutout has a depth of 10. The drawing is labeled with dimensions: 100, 50, 10, 60, and 100.

series	Dimensions(mm)				
	A	B	C	D	H
3B-3K	0.6	8.62	51.26°	27.42°	4.78
4B-4K	0.6	11.0	51.26°	27.42°	6.00

319

Technical drawing of a 319 series ball bearing. The drawing shows a cross-section of the bearing with the following dimensions labeled: $\varnothing B$ (outer diameter), $\varnothing H$ (inner diameter), and $\varnothing A$ (width). The bearing features 12 balls arranged in two rows of six.

[illegible]

series	Dimensions(mm)				
	A	B	C	D	H
3B-3K	0.6	8.62	51.26°	27.42°	4.78
4B-4K	0.6	11.0	51.26°	27.42°	6.00

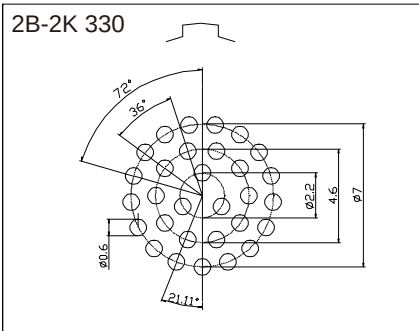
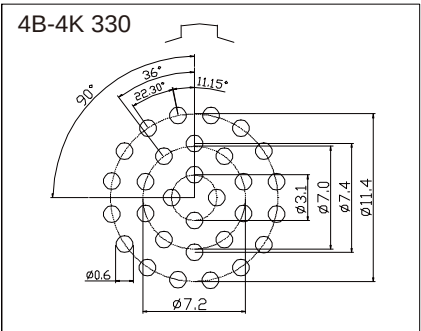
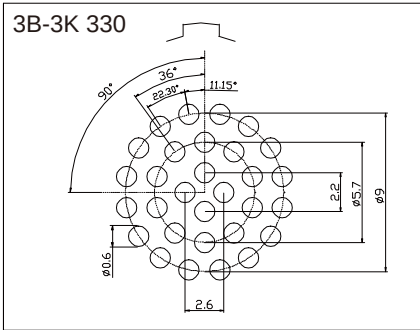
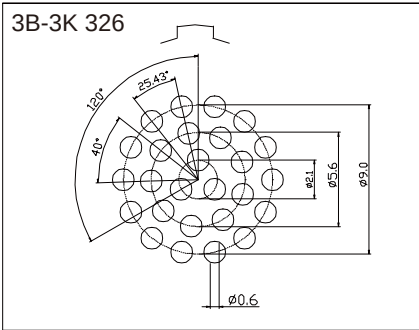
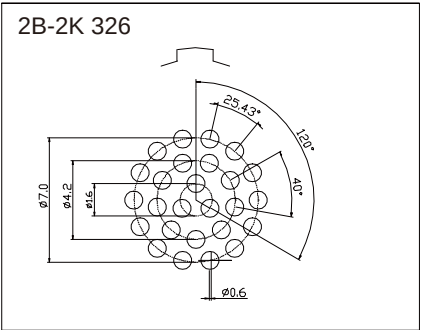
322

Technical drawing of a circular hole in a plate. The drawing shows a top view with a circular hole of diameter $\varnothing B$ and a square hole of side $\varnothing H$. A detail view shows a cross-section of the hole with a diameter of $\varnothing A$.

324



series	Dimensions(mm)					
	A	B	C	D	E	H
3B-3K	0.6	8.8	45°	25.43°	1.8	5.30
4B-4K	0.6	11.1	45°	25.43°	2.2	6.65



Note: all views are from the side of the socket.

		Type	Dimensions	
			øC	L
00	302		0.5	3.0
	303		0.5	3.0
	304		0.5	3.0

0B-0K	302/303	0.7	3.2
	304/305	0.5	3.2
	306/307/309	0.5	3.2

1B-1K	302/303/304/305	0.7	3.0
	306/307/308	0.7	3.0
	310/314/316	0.5	4.0

2B-2K	303/304/305/306/307	0.7	3.0
	308/310/312/314/316/318/319	0.7	3.0
	326/332	0.7	3.0

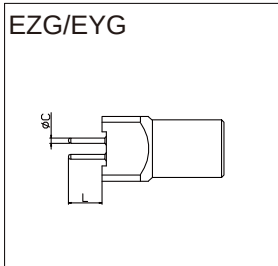
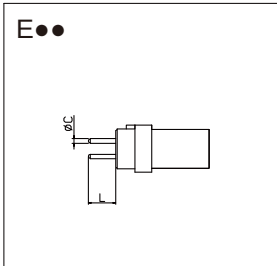
3B-3K	303/304/305/306/307	0.7	3.0
	308/309/310/312/314/316/318	0.7	3.0
	320/322/324/326/330	0.5	3.0

4B-4K	316/320	0.5	5.0
	324/330	0.5	5.0
	340/348	0.5	5.0

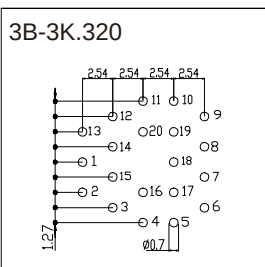
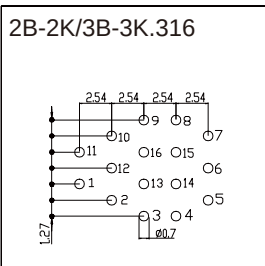
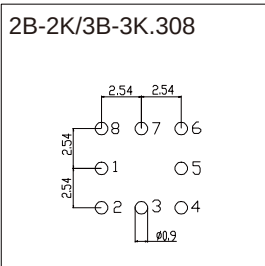
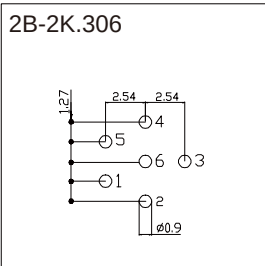
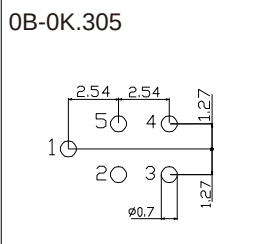
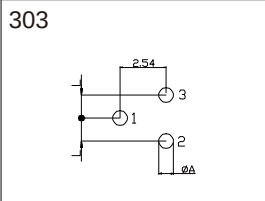
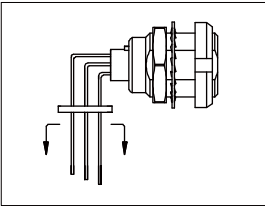
	Type	Dimensions	
		ØC	L
0B	302/303	0.7	3.0
	304/305	0.7	3.0
	306/307/309	0.7	3.0

1B	302/303/304/305	0.7	3.0
	306/307/308	0.7	3.0
	310/314/316	0.5	3.0

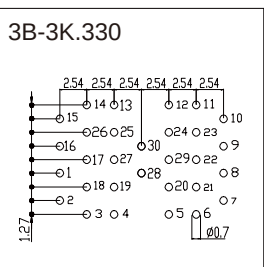
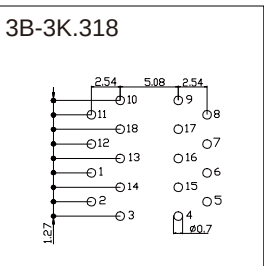
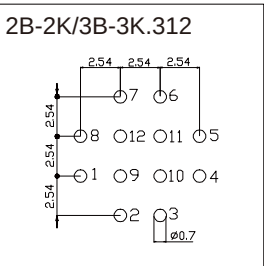
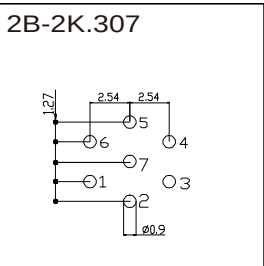
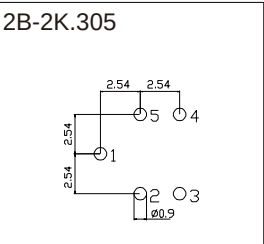
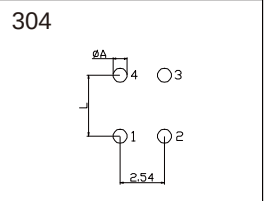
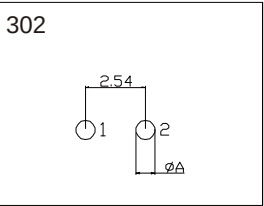
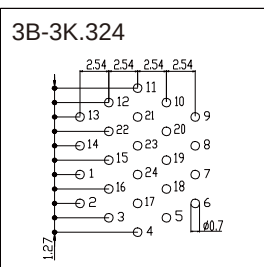
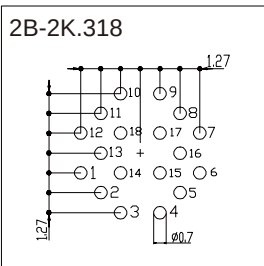
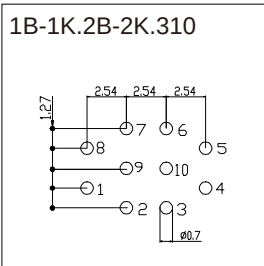
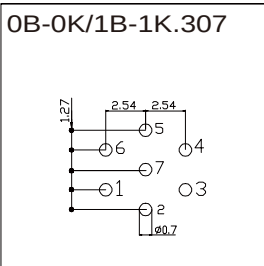
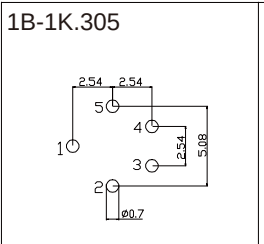
2B	302/303/304/305	0.7	3.0
	306/307/308/310	0.7	3.0
	312/314/316/318/319	0.5	4.0



Fixed socket with elbow print contact (B-K-T series)

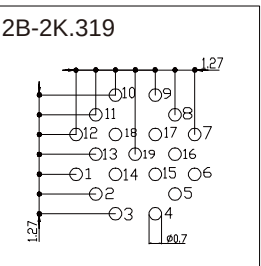
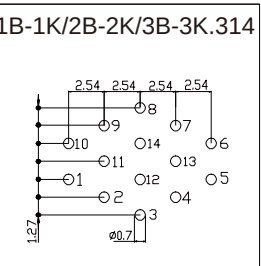
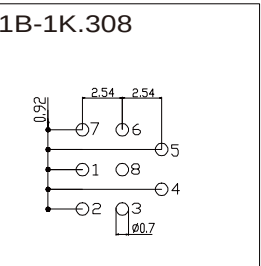
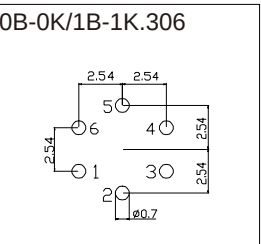


series	size (mm)	
	A	L
00	0.6	1.27
0B-0K	0.7	1.27
1B-1K	0.9	1.27
2B-2K	0.9	2.54

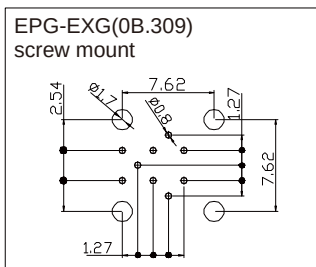
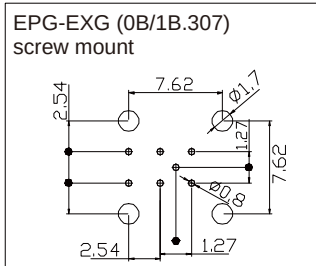
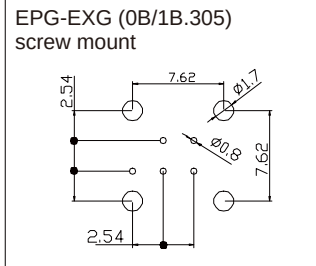
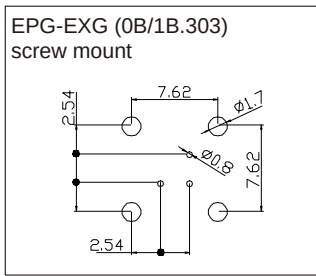
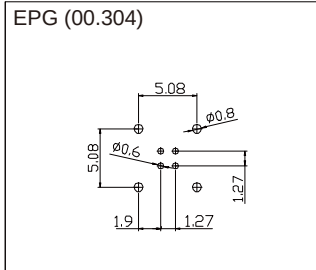
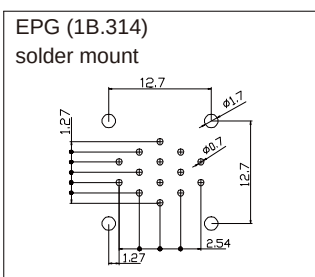
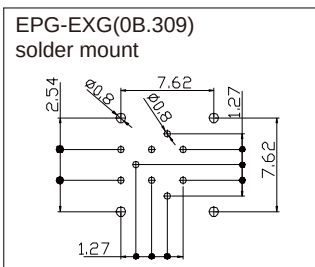
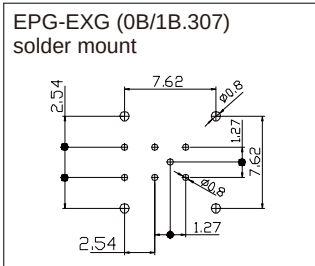
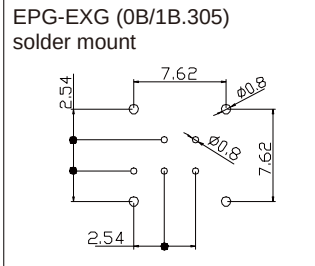
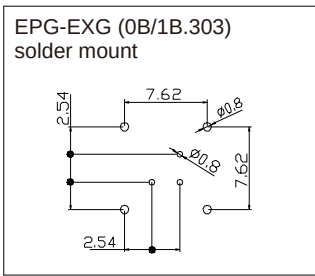
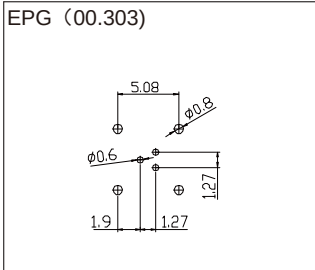
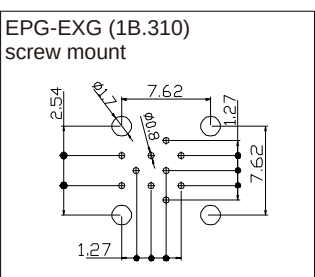
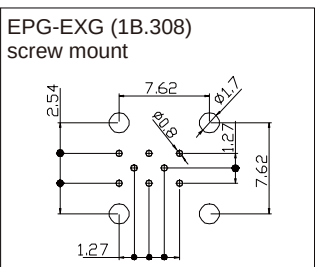
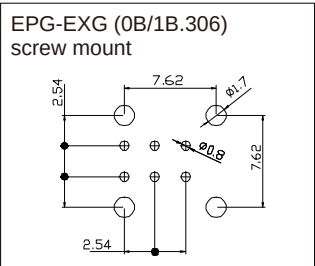
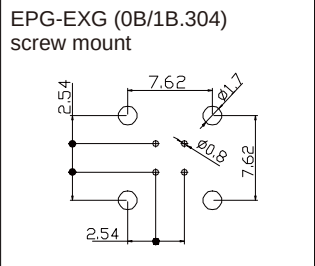
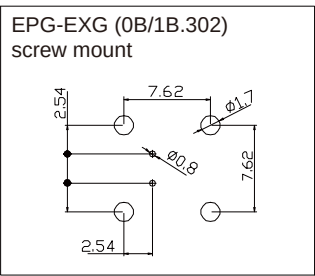
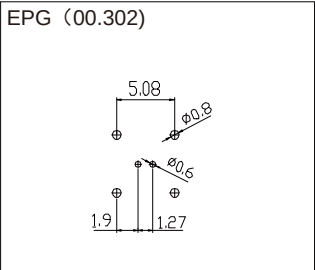
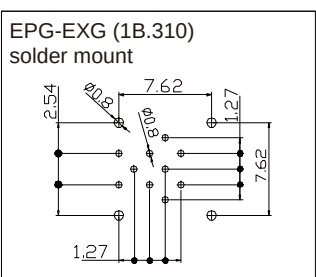
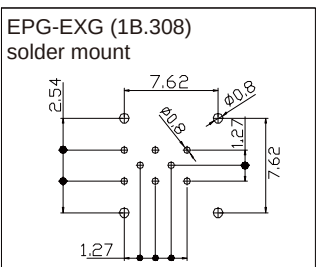
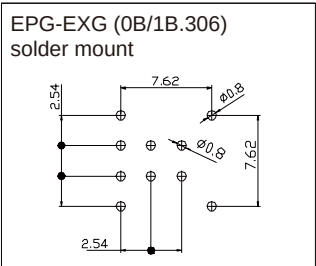
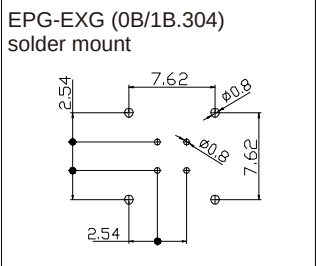
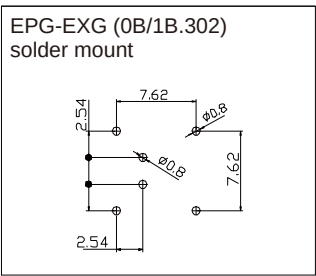
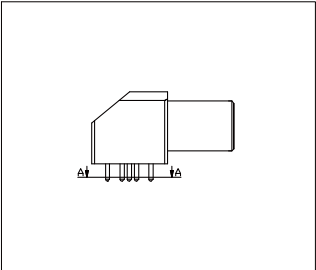


series	size (mm)	
	A	L
00	0.6	
0B-0K	0.7	
1B-1K	0.9	
2B-2K	0.9	

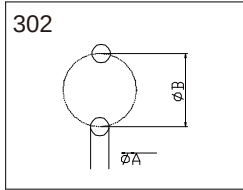
series	size (mm)	
	A	L
00	0.6	2.54
0B-0K	0.7	2.54
1B-1K	0.7	2.54
2B-2K	0.9	3.50



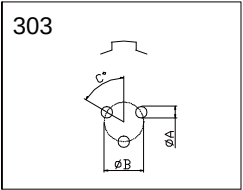
Elbow socket (90°) for printed circuit (B series)



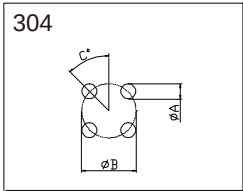
Fixed socket with straight print contact (S series)



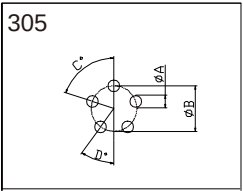
series	size (mm)	
	A	B
0S	0.6	2.2
1S	0.8	3.0



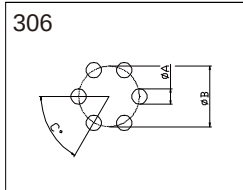
series	size (mm)		
	A	B	C
0S	0.6	2.8	45°
1S	0.8	3.5	45°
2S	0.8	5.5	45°



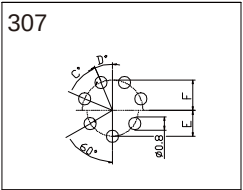
series	size (mm)		
	A	B	C
0S	0.6	2.5	45°
1S	0.8	3.5	45°
2S	0.8	5.0	45°



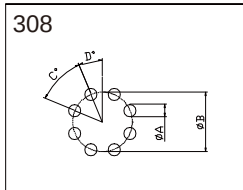
series	size (mm)		
	A	B	C
1S	0.8	3.5	45°
2S	0.8	5.5	60°



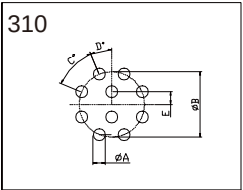
series	size (mm)		
	A	B	C
1S	0.8	3.5	60°
2S	0.8	5.5	60°
3S	0.8	6.5	60°



series	size (mm)			
	C	D	E	F
2S	45°	22.3°	2.75	3.25
3S	45°	22.3°	3.25	3.90



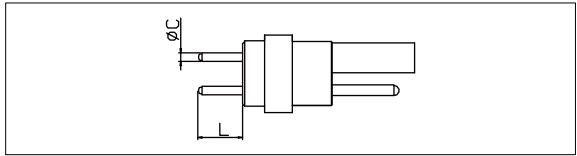
series	size (mm)			
	A	B	C	D
2S	0.8	6.5	45°	22.3°
3S	0.8	7.8	45°	22.3°



series	size (mm)				
	A	B	C	D	E
2S	0.8	6.5	45°	22.3°	1.25
3S	0.8	7.8	45°	22.3°	1.50

Note: all views are from the side of the socket.

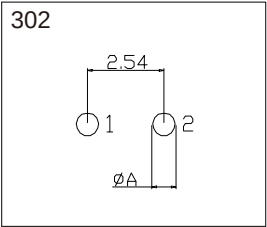
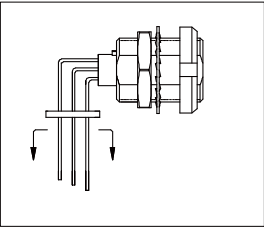
Length of straight print contacts (for socket E●●)



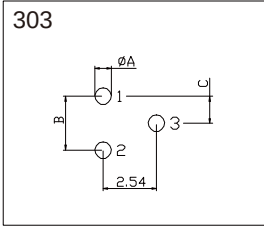
	Type	Dimensions	
		Ø	L
0S	302	0.7	3.0
	303	0.5	3.0
	304	0.5	3.0
1S	302	0.75/1.5	3.0/5.0
	302/303/304	0.7	3.0
	305/306	0.5	3.0

	Type	Dimensions	
		ØC	L
2S	303/304/305	0.7	3.0
	306/307	0.7	3.0
	308/310	0.7	3.0
2S	305/306/307/308/310	0.7	3.0
	302/313/314	0.7	3.0
	316/318	0.5	3.0

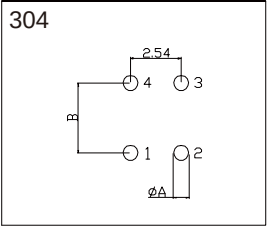
Fixed socket with elbow print contact (S series)



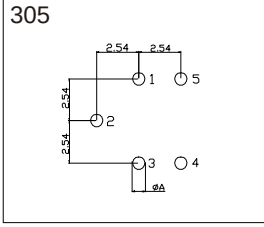
series	size (mm)
	A
0S	0.7
1S	0.9



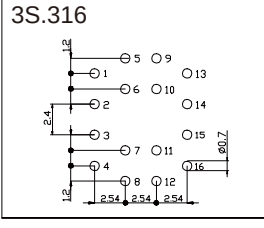
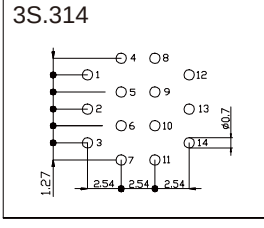
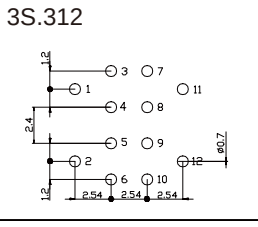
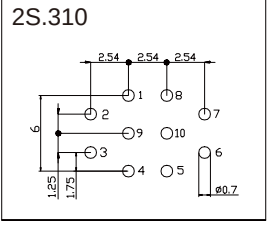
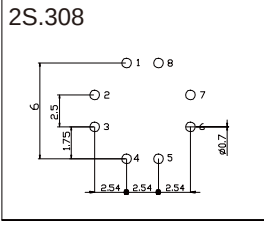
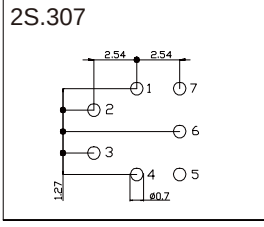
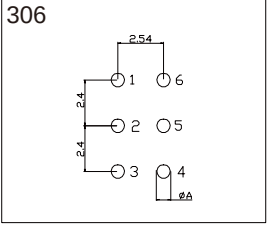
series	size (mm)		
	A	B	C
0S	0.7	2.00	1.00
1S	0.7	2.48	1.24



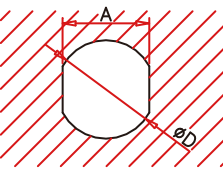
series	size (mm)	
	A	B
0S	0.7	2.00
1S	0.7	3.50
2S	0.9	3.50

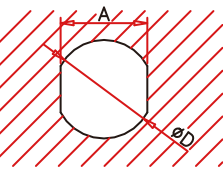


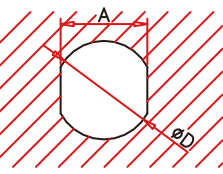
series	size (mm)
	A
0S	0.7
1S	0.9



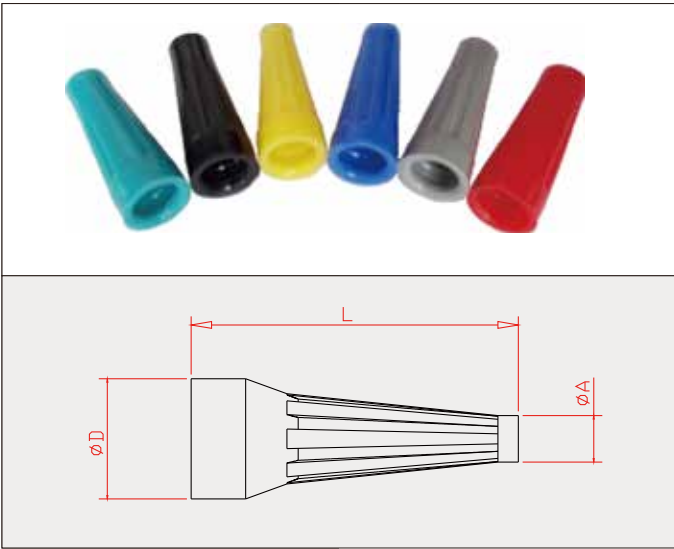
Panel cut-outs

	series	00B	0B-0T	1B-1T	2B-2T	3B-3T	0K	1K	2K	3K	0C	1C	2C	3C
	Type													
	A	6.4	8.3	10.6	13.6	16.6	12.6	14.6	18.6	22.6	8.3	12.1	15.1	16.6
	D	7.1	9.1	12.1	15.1	18.1	14.1	16.1	20.1	24.1	9.1	14.1	16.1	20.1

	series	0S	1S	2S	3S
	Type				
	A	8.3	10.6	13.6	16.6
	D	9.1	12.1	15.1	18.1

	series	0W	1W	2W	3W
	Type				
	A	10.6	12.6	14.6	18.6
	D	12.1	14.1	16.1	20.2

Bend relief



series	Dimensions		
	L	D	A
0B-0K-0S-0C-0T	24	8.8	see below
1B-1K-1S-1G-1T	30	10.9	
2B-2K-2S-2C-2T	36	14.3	
3B-3K-3S-3C-3T	42	16.8	

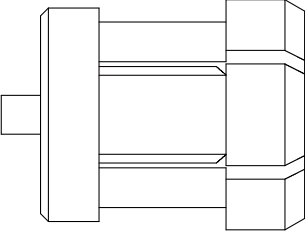
A	cable diameter	0B-0K-0S-0C-0T	1B-1K-1S-1C-1T	2B-2K-2S-2C-2T	3B-3K-3S-3C-3T
25	2.1-2.5	●			
30	2.6-3.0	●	●		
35	3.1-3.5	●	●		
40	3.6-4.0	●	●	●	
45	4.1-4.5	●	●	●	
50	4.6-5.0		●	●	●
60	5.6-6.0		●	●	●
65	6.1-6.5		●	●	●
70	6.6-7.0			●	●
80	7.6-8.0			●	●
90	8.6-9.0			●	●
10	9.6-10.0				●
11	10.6-11.0				●

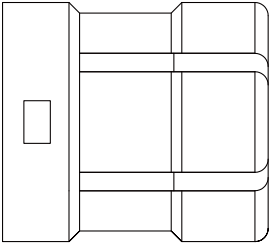
Bend relief color code

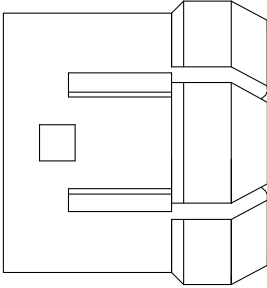
Code	Color	Code	Color
N	black	J	yellow
G	gray	V	green
A	blue	B	white
R	red		

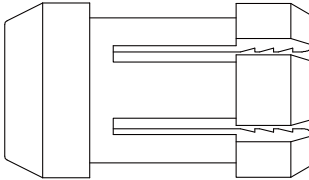
Bend relief part number example:

PL-GMA.0B.030.DN: bend relief for 0B plug, diameter 3.0mm, black color

 B series (standard)	Code	Cable diameter	00B	0B	1B	2B	3B	4B
	25	2.0-2.5	●					
	30	2.6-3.0	●	●				
	35	3.1-3.5	●	●	●			
	40	3.6-4.0		●	●	●		
	45	4.1-4.5		●	●	●	●	
	50	4.6-5.0		●	●	●	●	
	60	5.1-6.0			●	●	●	
	70	6.1-7.0			●	●	●	●
	80	7.1-8.0				●	●	●
	90	8.1-9.0				●	●	●
	10	9.1-10.0				●	●	●
	11	10.1-11.0					●	●
	12	11.1-12.0					●	●
	13	12.1-13.0						●
	14	13.1-14.0						●
	15	14.1-15.0						●
	16	15.1-16.0						●

 F series (standard)	Code	Cable diameter	102F	103F	1031F	104F	105F
	40	3.6-4.0	●	●			
	45	4.1-4.5	●	●	●		
	50	4.6-5.0	●	●	●		
	60	5.1-6.0		●	●	●	
	70	6.1-7.0		●	●	●	●
	75	7.1-7.5			●	●	●
	80	7.6-8.0			●	●	●
	85	8.1-8.5			●	●	●
	90	8.6-9.0				●	●
	10	9.1-10.0				●	●

 K/C/T/W series (standard)	Code	Cable diameter	0K-0T-0C-0W	1K-1T-1C-1W	2K-2T-2C-2W	3K-3T-3C-3W
	40	3.6-4.0	●	●		
	45	4.1-4.5	●	●		
	50	4.6-5.0	●	●	●	
	60	5.1-6.0		●	●	●
	70	6.1-7.0		●	●	●
	75	7.1-7.5			●	●
	80	7.6-8.0			●	●
	85	6.0-7.0			●	●
	80	7.1-8.0				●
	90	8.1-9.0				●
	10	9.1-10.0				●
	11	10.0-11.0				●
	12	11.1-12.0				●

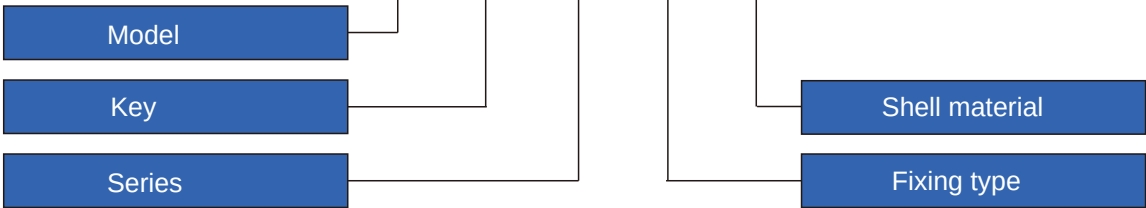
 S series (standard)	Code	Cable diameter	00S	0S	1S	2S	3S
	25	2. 0- 2.5	●	●			
	30	2. 6- 3. 0	●	●			
	40	3. 1- 4.0	●	●	●	●	
	50	4.1 - 5. 0			●	●	●
	60	5. 1- 6.0			●	●	●
	70	6.1 - 7. 0			●	●	●
	80	7.1-8.0				●	●
	90	8.1-9.0				●	●
	10	9.1-10.0					●
	11	10.1-11.0					●

Dust Cap

Part number:

dust cap for receptacle PL- CR 0B 00 C

dust cap for plug PL- CP G 0B 00 C

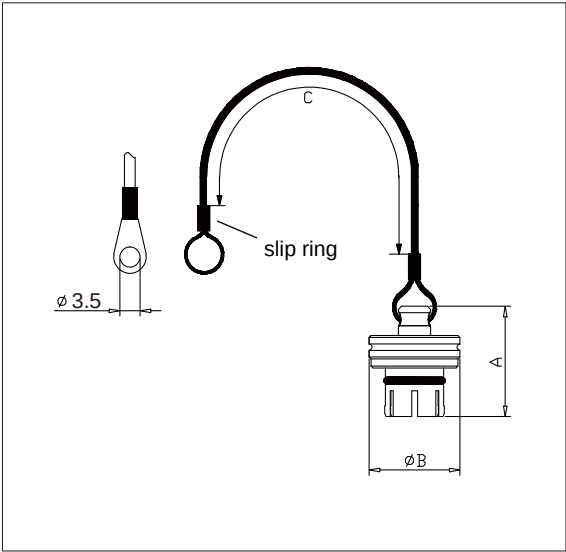


Part number example:

dust cap for receptacle:
PL-CR.0B.00.C: 0B series, nylon rope with annular ring, brass plated pearl chrome.

dust cap for plug:
PL-CPG.0B.00.C: 0B series, key (G),nylon rope with annular ring,brass plated pearl chrome.

CR IP50 dust cap for receptacle

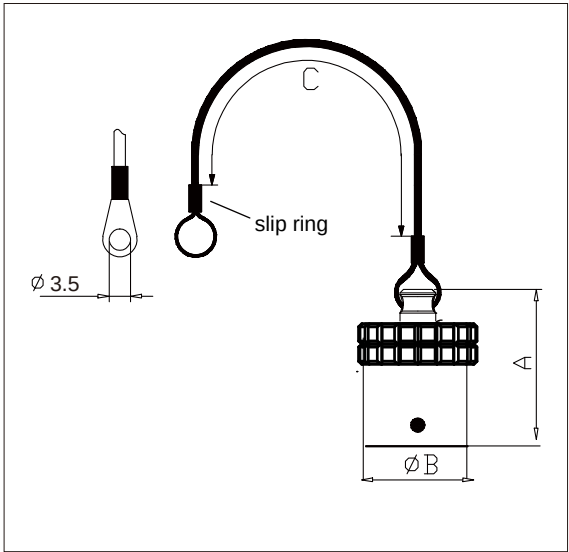


series	Dimensions (mm)		
	A	B	C
0B-0S-0C	14.5	10	70
1B-1S-1C	17.5	14	75
2B-2S-2C	17	18	85
3B-3S-3C	24	22	100
4B	16.9	25	110

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

CP IP50 dust cap for plug, with key (G) or (A...)

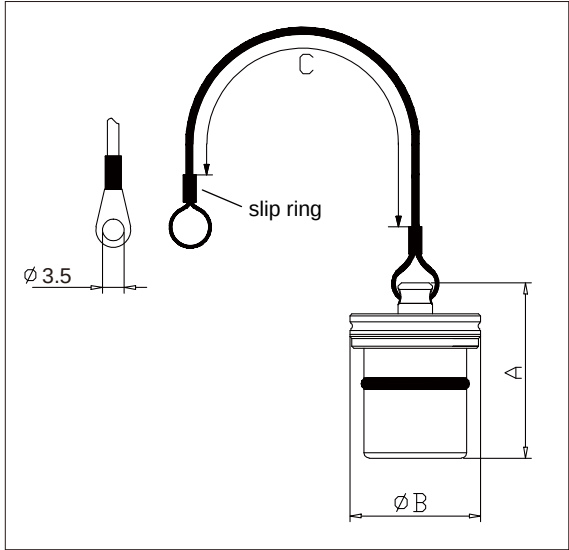


series	Dimensions (mm)		
	A	B	C
0B-0S-0C	17	9.5	70
1B-1S-1C	17	12	75
2B-2S-2C	18	15	85
3B-3S-3C	24.5	18	100
4B	28	30	110

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

CR IP68 dust cap for receptacle

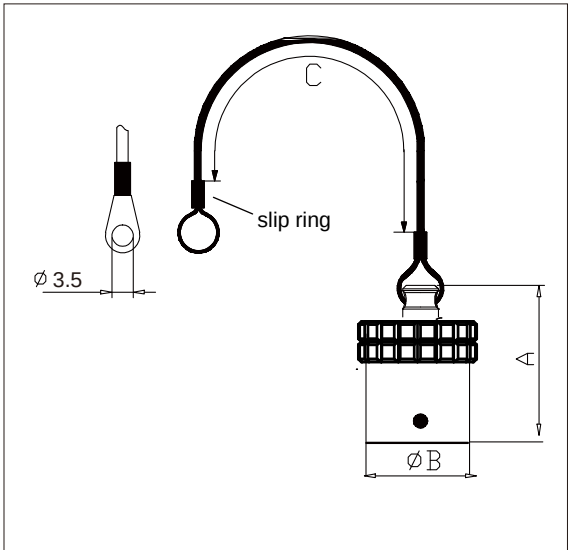


series	Dimensions (mm)		
	A	B	C
0K	21	13	70
1K	25	15.8	75
2K	26	19	85
3K	34.5	24	120

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

CP IP68 dust cap for plug, with key (G) or (A...)

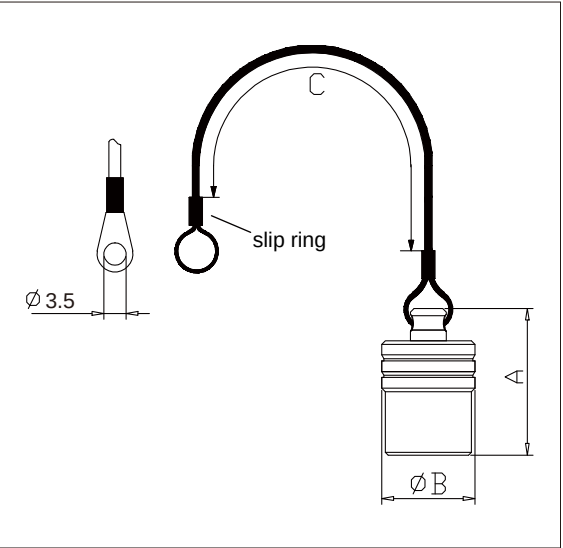


series	Dimensions (mm)		
	A	B	C
0K	19	13	70
1K	21.5	15.8	75
2K	24	19	85
3K	29	23	120
4K	30.2	25	140

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

CP IP68 dust cap for plug, with key (G) or (A...)

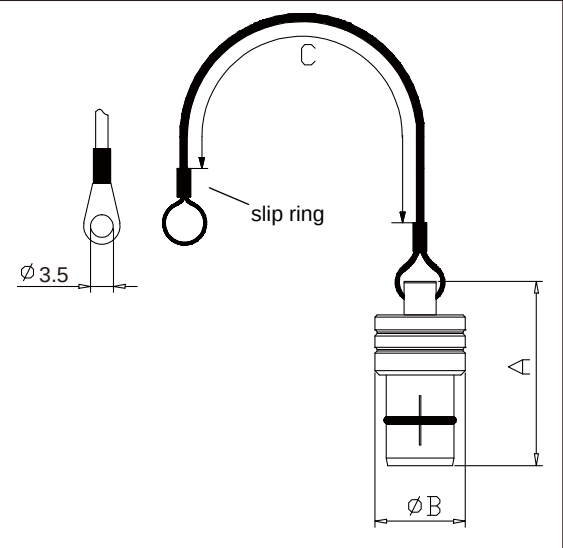


series	Dimensions (mm)		
	A	B	C
102F	14.5	10	70
103F	20	13	75
1031F	20	14	80
104F	22	18.5	85
105F	21	19	100

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

CR IP68 dust cap for receptacle

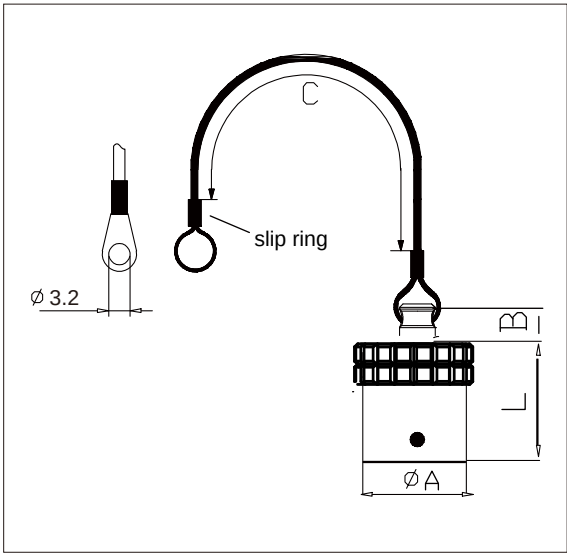


series	Dimensions (mm)		
	A	B	C
102F-0C	20	10	70
103F-1C	24	12	75
1031F	20.3	14	80
104F-2C	27	15	85
105F-3C	32	18	100

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

CP IP68 dust cap for plug, with key (G) or (A...)

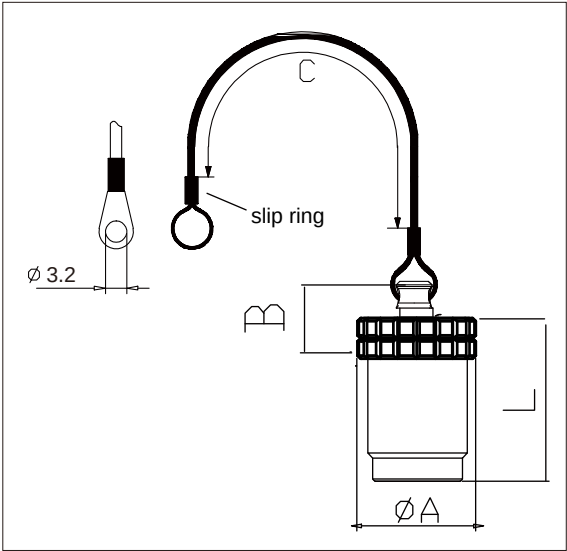


series	Dimensions (mm)			
	A	B	C	L
0T	9.4	5	60	11
1T	11.8	5	85	12.5
2T	14.8	6	85	13.8
3T	15	6	85	13.8

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

CR IP68 dust cap for receptacle

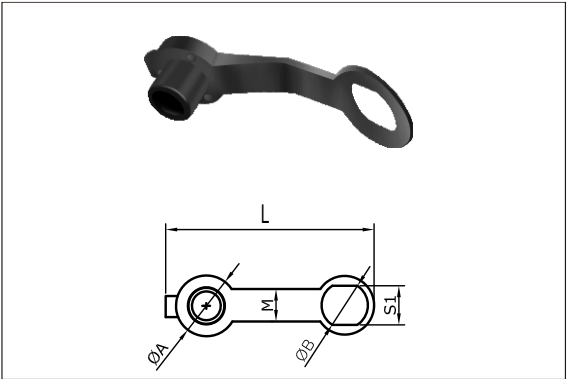


series	Dimensions (mm)			
	A	B	C	L
0T	9.4	9	60	14.5
1T	11.8	9.2	85	15.8
2T	14.8	12	85	18.5
3T	15	10.4	85	16.3

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

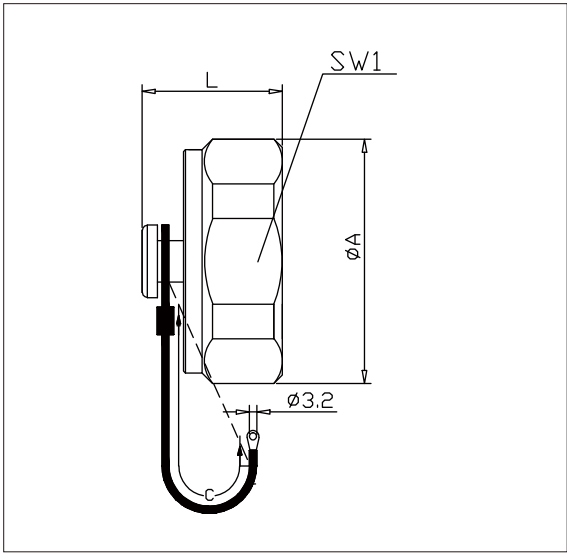
SCR Soft dust cap for receptacle



Reference		Dimensions (mm)					
Model	Series	A	B	L	M	S1	
PL-SCR.0B	0B	11.9	9.0	40	6.3	8.0	
PL-SCR.1B	1B	14.1	12.0	60	7.2	10.5	
PL-SCR.2B	2B	16.1	15.0	60	7.2	13.5	

Connector Cable Assembly Method

CR IP68 dust cap for receptacle

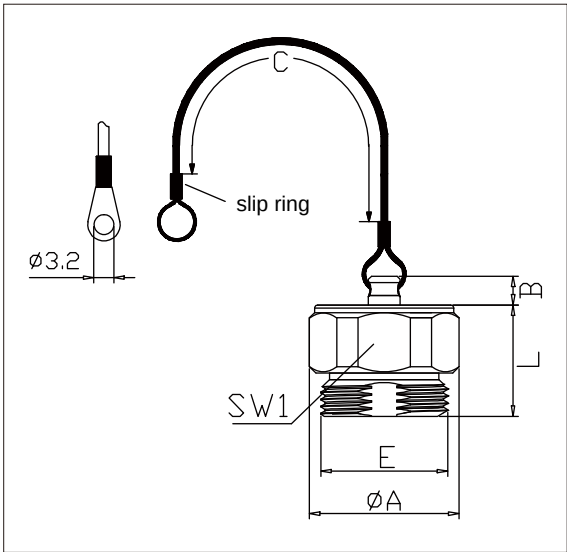


series	Dimensions (mm)			
	A	L	C	SW1
0W	17	13	85	16
1W	19	13	85	18
2W	23.5	13.5	85	22
3W	27.8	14	120	26

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

CP IP68 dust cap for plug, with key (G) or (A...)

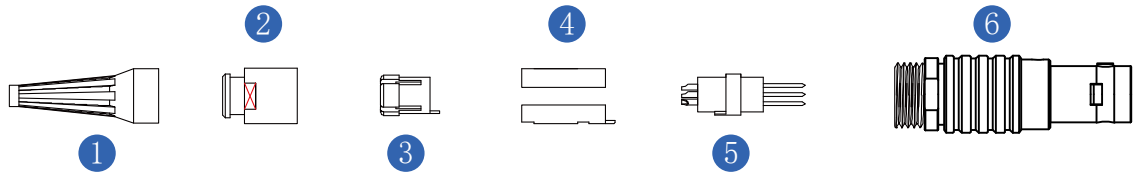


series	Dimensions (mm)					
	A	B	E	L	C	SW1
0W	17	5	M14*1.0	12.5	85	16
1W	19	5	M16*1.0	15.5	85	18
2W	23.5	5	M20*1.0	17.5	85	22
3W	27	5	M24*1.0	22	120	26

Fixing type:
00=nylon rope with annular ring
01=stainless steel wire with annular ring
02=nylon rope with solder teminal
03=stainless steel wire with solder terminal

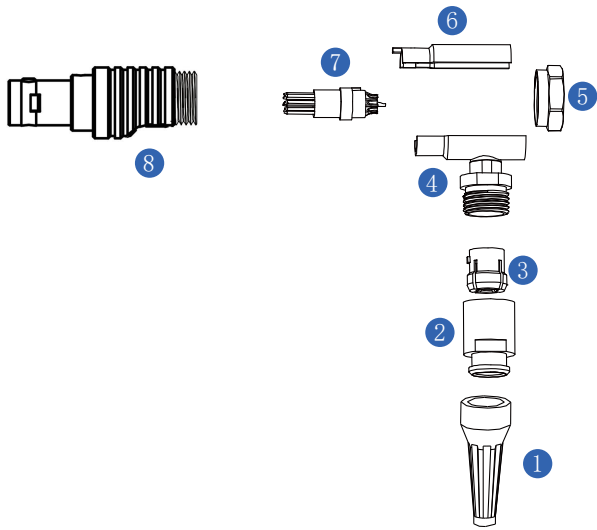
Shell material:
C=brass plated pearl chrome
K=brass plated black chrome

B series plug:



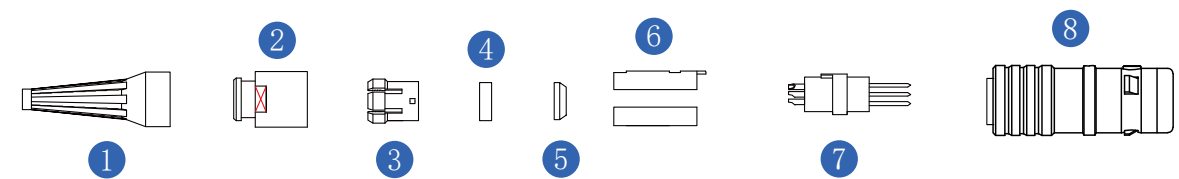
1. Pass the cable through the bend relief ① tail nut ② cable clamp ③ and weld the wire to the insulator assembly ⑤ in sequence.
2. Install the two piece insulator snap ring ④ onto the welded insulator assembly ⑤, and note that the window on the snap ring ④ corresponds to the protrusion on the insulator assembly ⑤.
3. Install the cable clamp ③ to the proper position of the cable, and note that the protrusions on the cable clamp ③ correspond to the grooves on the insulator snap ring ④.
4. Push the insulator assembly ⑤ insulator snap ring ④ cable clamp ③ into the plug assembly ⑥ in turn, and note that the protrusion on the insulator snap ring ④ corresponds to the notch in the plug assembly ⑥.
5. Tighten the tail nut ② onto the plug assembly ⑥.
6. Put the bend relief ① onto the tail nut ②.

B series right-angle plug:



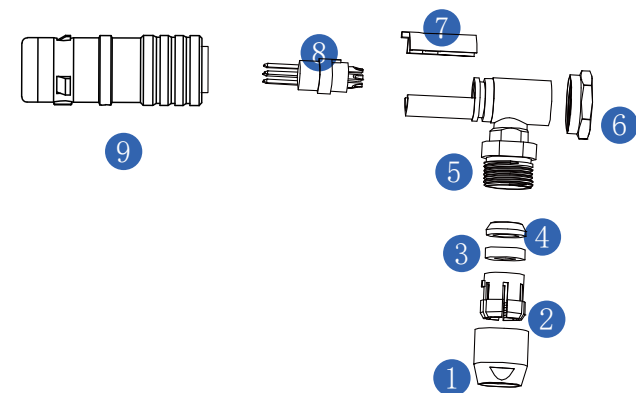
1. Pass the cable through the bend relief ① tail nut ② cable clamp ③ adapter ④ and weld the wire to the insulator assembly ⑦ in sequence.
2. Install the insulator snap ring ⑥ onto the welded insulator assembly ⑦. Note that the notch on the snap ring ⑥ corresponds to the convex key on the insulator assembly ⑦
3. Push the insulator assembly ⑦ insulator snap ring ⑥ adapter ④ into the plug assembly ⑧ in turn, and note that the adapter is stuck in the two slots of the plug assembly ⑧.
4. Adjust the proper position of the cable clamp and cable, install the cable clamp ③ onto the adapter ④, and note that the convex key on the cable clamp ③ should be aligned to the groove in the adapter ④, while the cable clamp ③ should clamp the cable skin.
5. Tighten the tail nut ⑤ onto the plug assembly ⑧.
6. Put the bend relief ① onto the tail nut ②.

K series plug:



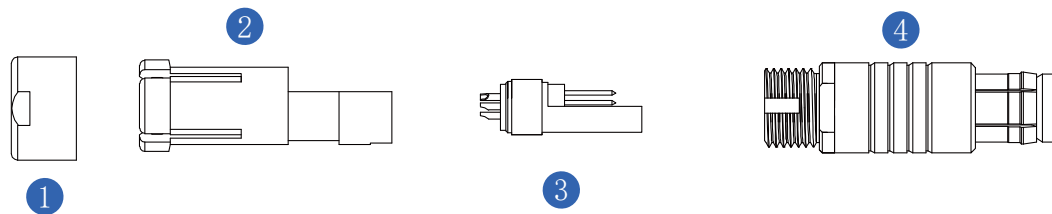
1. Pass the cable through the bend relief ① tail nut ② cable clamp ③ cable sealing ring ④ shield wire pressing ring ⑤ in turn and weld the wire to the corresponding pin of insulator assembly ⑦.
2. Install the insulator snap ring ⑥ onto the insulator assembly ⑦. Note that the protrusion of the insulator snap ring ⑥ corresponds to the gap of the insulator assembly ⑦. Push the shield wire crimp ring ⑤ cable seal ring ④ cable clamp ③ to the appropriate position in order to ensure that the complete sheath of the cable is inserted into the shield wire crimp ring ⑤.
3. Putl the installed insulator assembly ⑦ into the plug assembly ⑧, and note that the notch on the insulator snap ring ⑥ corresponds to the protrusion in the plug assembly ⑧.
4. Tighten the tail nut ② onto the plug assembly ⑧.
5. Install the bend relief ① onto the tail nut ②.

K series right-angle plug:



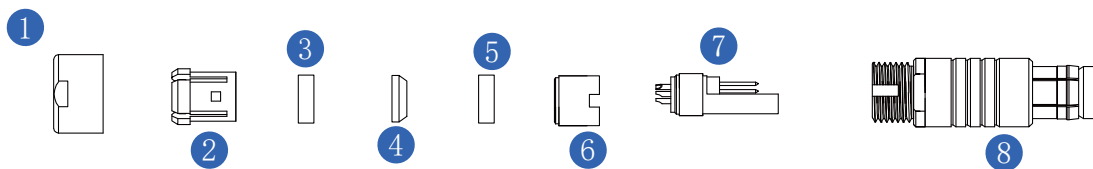
1. Pass the cable through the tail nut ① cable clamp ② cable seal ring ③ shield wire pressing ring ④ adapter ⑤ in turn and weld the wire to the corresponding pin of the insulator assembly ⑧.
2. Install the insulator snap ring ⑦ onto the welded insulator assembly ⑧. Note that the notch on the snap ring ⑦ corresponds to the convex key on the insulator assembly ⑧.
3. Push the insulator assembly ⑧ insulator snap ring ⑦ adapter ⑤ into the plug assembly ⑨ in turn. Note that the adapter is stuck in the slot of the plug assembly ⑨.
4. Adjust the proper position of the cable clamp and cable, push the shield wire pressing ring ④, cable sealing ring ③, and cable clamp ② to the proper position in order to ensure that the complete sheath of the cable is inserted into the shield wire pressing ring ④.
5. Tighten the tail nut ⑥ onto the plug assembly ⑨.

F series plug:



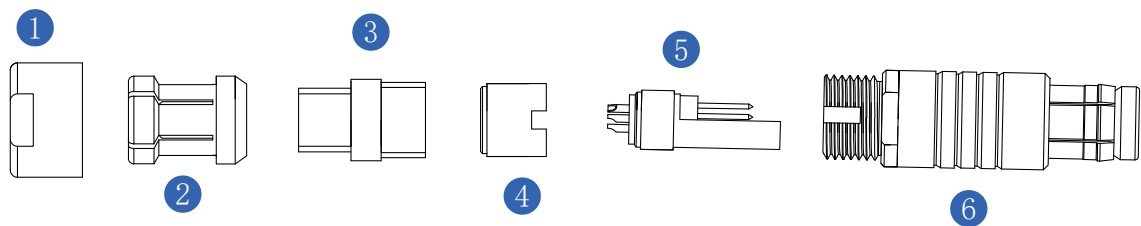
U type (unshielded,one-piece cable clamp):

1. Pass the cable throught the tail nut ① cable clamp ② in turn and weld the wire to the corresponding pin of the insulator assembly ③.
2. Install the insulator retainer ② onto the insulator assembly ③. Note that the protrusion of the insulator retainer ② corresponds to the notch of the insulator assembly ③. Push them to the proper position of the cable.
3. Tighten the tail nut ① onto the plug assembly ④.



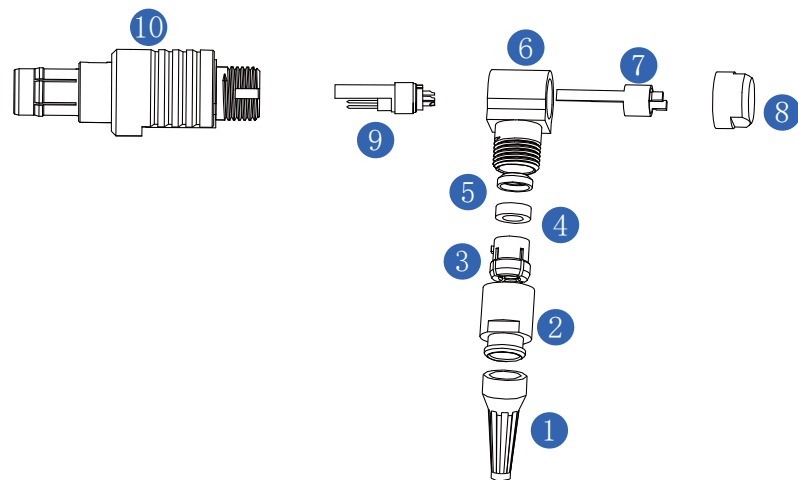
E type (Environmentally sealed clamp for use with shielded or unshielded cables):

- 1.Pass the cable throught tail nut ① cable clamp ② cable seal ring ③ shield wire pressing ring ④ cable seal ring ⑤ in turn and weld the wire to the corresponding pin of the insulator assembly ⑦.
2. Push the cable seal ring ⑤ shield wire crimp ring ④ cable seal ring ③ cable clamp ② to the appropriate position in order to ensure that the complete sheath of the cable is inserted into the shield wire crimp ring ④..
3. Install the installed insulator assembly ⑦ into the plug assembly ⑧, and note that the notch on the insulator snap ring ⑥ corresponds to the protrusion in the plug assembly ⑧.
4. Tighten the tail nut ① onto the plug assembly ⑧.



S type (shielded cable clamp):

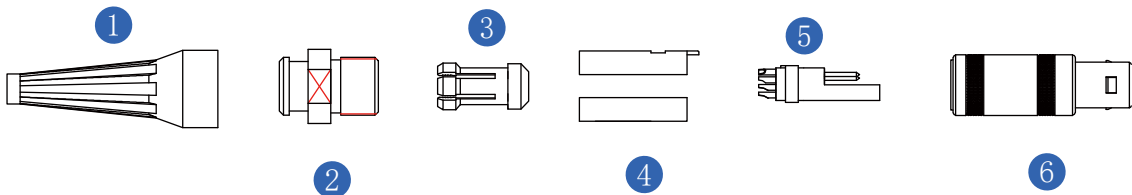
1. Pass the tail nut ① cable clamp ② bushing ③ in turn and weld the wire to the corresponding pin of the insulator assembly ⑤
2. Install the bushing ③ onto the insulator retaining ring ④. Note that the protrusion of the insulator snap ring corresponds to the notch of the insulator retaining ring ④,
3. Install the installed insulator assembly⑤ into the plug assembly ⑥. Note that the notch on the insulator retaining ring④ corresponds to the protrusion in the plug assembly ⑥.
4. Tighten the tail nut ① onto the plug assembly ⑥.



S type (shielded cable clamp):

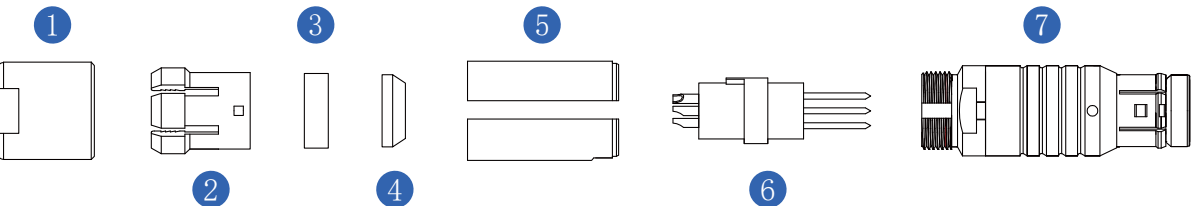
1. Pass the cable through the bend relief ① tail nut ② cable clamp ③ cable sealing ring ④ shield wire pressing ring ⑤ in sequence, pass through the adapter ⑥ and weld the wire to the insulator assembly ⑦.
2. Install the insulator assembly ⑦ onto the welded insulator assembly ⑨. Note that the notch on the snap ring ⑦ corresponds to the convex key on the insulator assembly ⑨.
3. Push the adapter ⑥ of the insulator assembly ⑨ into the plug assembly ⑩ in turn. Note that the adapter is stuck in the two slots of the plug assembly ⑩.
4. Adjust the proper position of the cable clamp and cable, install the cable clamp ③ onto the adapter ⑥, and note that the convex key on the cable clamp ③ should be aligned to the groove in the adapter ⑥, while the cable clamp ③ should clamp the cable sheath.
5. Tighten the tail nut ⑧ onto the plug assembly ⑩.
6. Put the bend relief ① onto the tail nut ②.

S series plug:



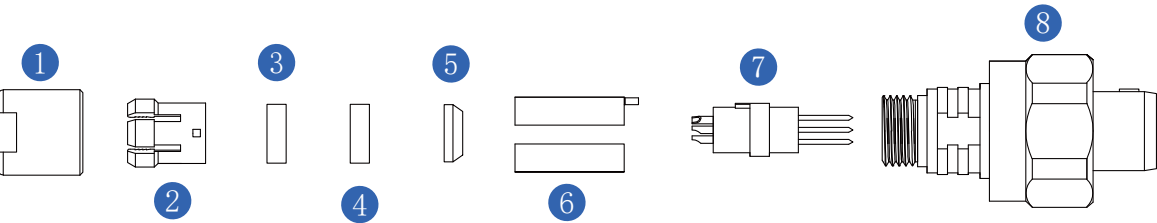
1. Pass the cable through the bend relief ① tail nut ② cable clamp ③ in turn and weld the wire to the insulator assembly ⑤ in sequence.
2. Install the insulator retaining ring ④ onto the insulator assembly ⑤, note that the protrusion of the insulator retaining ring ④ corresponds to the notch of the insulator assembly ⑥, and push the cable clamp ③ to the proper position of the cable.
3. Push the assembled cable clamp ③ and insulator retainer ④ into the plug assembly ⑤.
4. Tighten the tail nut ② into the plug assembly ⑥.
5. Tighten the bend relief ① onto the tail nut ②.

C series plug:



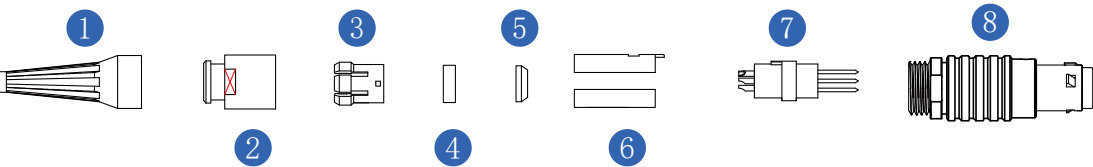
1. Pass the cable through the tail nut ① cable clamp ② cable seal ring ③ shield wire pressing ring ④ in turn and weld the wire to the corresponding pin of the insulator assembly ⑥ in sequence.
2. Install the insulator snap ring ⑤ onto the insulator assembly ⑥. Note that the protrusion of the insulator snap ring ⑤ corresponds to the gap of the insulator assembly ⑥. Push the shield wire crimp ring ④ cable seal ring ③ cable clamp ② to the appropriate position in order to ensure that the complete sheath of the cable is inserted into the shield wire crimp ring ④.
3. Install the installed insulator assembly ⑥ into the plug assembly ⑦, and note that the notch on the insulator snap ring ⑤ corresponds to the protrusion in the plug assembly ⑦.
4. Tighten the tail nut ① onto the plug assembly ⑦.

W series plug:



- 1. Pass the cable through the tail nut ① cable clamp ② cable seal ring ③ shield wire pressing ring ④ ⑤ in turn and weld the wire to the corresponding pin of the insulator assembly ⑦ in order.
- 2. Install the insulator snap ring ⑥ onto the insulator assembly ⑦. Note that the protrusion of the insulator snap ring ⑥ corresponds to the gap of the insulator assembly ⑦. Push the shield wire pressing ring ⑤ cable sealing ring ④ cable clamp ② to the appropriate position in order to ensure that the outer skin of the cable is inserted into the shield wire pressing ring ⑤
- 3. Install the installed insulator assembly ⑦ into the plug assembly ⑧, and note that the notch on the insulator snap ring ⑥ corresponds to the protrusion in the plug assembly ⑧.
- 4. Tighten the tail nut ① onto the plug assembly ⑧.

T series plug:



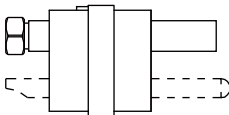
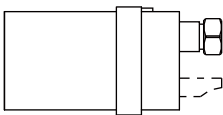
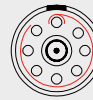
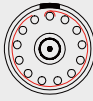
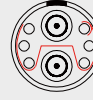
- 1. Pass the cable through the bend relief ① tail nut ② cable clamp ③ washer ④ cable seal ring ⑤ in turn and weld the wire to the corresponding pin of the insulator assembly ⑦ in order.
- 2. Install the insulator snap ring ⑥ onto the insulator assembly ⑦. Note that the groove of the insulator ⑥ corresponds to the convex key of the insulator assembly ⑧. Push the shield wire pressing ring ⑥, the cable sealing ring ⑤, the washer ④, and the cable clamp ③ to the appropriate position in order to ensure that the complete sheath of the cable is inserted into the shield wire pressing ring ⑥.
- 3. Install the installed insulator assembly ⑦ and positioning cage into the plug assembly ⑧, and note that the notch on the insulator snap ring ⑥ corresponds to the protrusion in the plug assembly ⑧.
- 4. Tighten the tail nut ② onto the plug assembly ⑧.
- 5. Install the bend relief ① onto the tail nut ②.

Single core coaxial connector

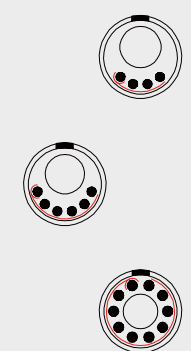
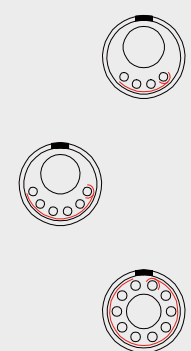
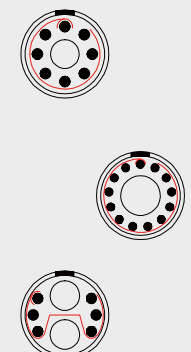
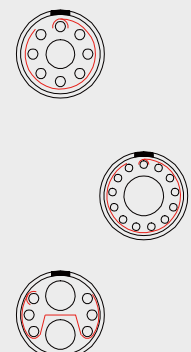
Series	Code	Contact type	Test voltage	Test voltage	Rated current	Contact dia.	Outshell size
00S	113	solder	800V	1200V	8A	1.3mm	Page 30
	250	solder	2100V	3000V	4A	0.7mm	
0S	116	solder	1500V	2100V	12A	1.6mm	
	250	solder	3000V	4200V	6A	0.9mm	
1S	120	solder	1700V	2400V	18A	2.0mm	
	250	solder	3000V	4200V	12A	1.6mm	
	275	solder	2400V	3300V	10A	1.3mm	



Hybrid: multi coaxial, coaxial+low-voltage

		Coaxial			Low voltage (LV)								
Reference	Male	Female	Number of contacts	impedance	cable set	Number of contacts	ø A (mm)	contact type		Test voltage (kV rms)	Test voltage (kV dc)	Rated current (A)	
								Solder	Print (straight)				
2B 2K			806	1	50	1-2-3	6	0.7			0.75	1.05	7
			810	1	50	1-2-3	10	0.7			0.95	1.35	7
3B 3K			808	1	50	1-2-3	8	0.9			1.0	1.5	8
			813	1	50	1-2-3	13	0.7			0.9	1.3	7
			906	2	50	1-2-3	6	0.9			0.9	1.3	10
   													
   													

Hybrid: fluid+low-voltage

		Fluid				Low voltage (LV)										
Reference	Male	Female	Number of tube	External diameter	Inner diameter	Work voltage max. (bars)	Number of contacts	ø A (mm)	contact type		solder		print (straight)		Rated current (A)	
									Solder	Print (straight)	Test voltage - contacts	Test voltage - outshell	Test voltage - contacts	Test voltage - outshell		
1B 1K			102	1	3.0	1.8	6	4	0.7 0.5			0.5	0.7	0.5	0.7	3
2B 2K			104	1	3.0 4.0	1.8 2.0	6	4	0.7			0.85	1.2	0.85	1.25	6
			106	1	3.0 4.0	1.8 2.0	6	6	0.7			0.85	1.2	0.85	1.25	6
			110	1	3.0 4.0	1.8 2.0	6	10	0.7			1.15	1.35	1.3	1.05	6
3B 3K			108	1	6.0	4.0	6	8	0.9			0.8	0.95	0.8	0.95	8
			113	1	6.0	4.0	6	13	0.7			0.7	0.8	0.7	0.8	5
			206	2	3.0 4.0	1.8 2.0	6	6	0.9			1.20	1.05	1.00	0.8	8

Customized Connector Cable Assembly

In order to provide customers one-stop service, we also provide cable welding service. The cables can be provided by customers or use our standard cables. We have skilled wire welding technicians. Each wire will undergo a complete point-to-point continuity test and high-voltage test to avoid possible problems. In order to meet various special requirements of customers, we will try our best to provide customers with efficient solutions.

Such as mixed cable, micro cable, coaxial cable, tri coaxial cable, video cable, audio cable, multi-core cable, spiral cable, PTFE cable, Viton high-voltage cable, silicone rubber cable, base station cable, cable assembly, plastic optical cable, computer cable, PUR cable, optical cable, Category 5 cable, Category 7 cable, flat cable, special composite cable.



Production Process



01

Arrange order



02

Take materials



03

Detect materials



04

Make CNC rubber
core and shell



05

Make core pin



06

Core punching



07

Detect rubber core



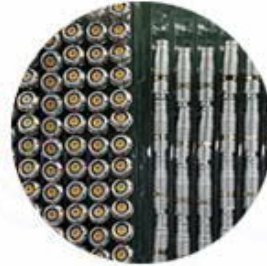
08

Press the core
into the rubber



09

Press the rubber
core into the shell



10

Finished items
and Detect

We support cable assembly customization



PRODUCTION CENTER



Pauslong
circular connector

-Supply push-pull self-locking circular connector, threaded circular connector, hybrid circular connector and customized connector cable

Shenzhen Shenghongyue Technology Co., Ltd.

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Email: sales@pauslongconnector.com

Website: <https://www.pauslongconnector.com>

Address: 6th Floor, Building D, Juji Industrial Park, Yabian Xueziwei,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China.

If Need Push-pull Plastic Connector Cataloge, Please Email Us.