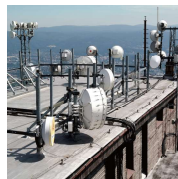


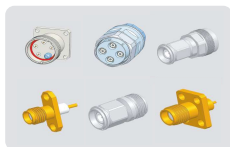
RF COAXIAL CONNECTOR



COMMUNICATION,
CONTACT THE FUTURE



R&D Innovation



Mold design & manufacturing



Detection & Analysis



Dust free workshop
production line

Quality assurance



Precision parts



Western Base Zhongjiang Industrial Park

INTRODUCTION

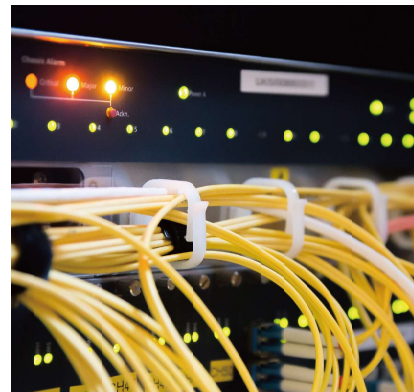
Hongfa (Shanghai Stock Exchange: 600885) is one of the leading relay manufacturers in the world. Founded in 1984, Hongfa is currently a top relay R&D and production center globally. Our products include relays, high and low voltage devices, precision parts, and automatic production. Relays are our main business; we produce more than 160 different series and more than 40,000 part numbers, with an annual production capacity of 2.7 billion pieces. Hongfa products are widely used in a range of applications, including industrial, energy, transportation, telecommunication, home appliance, medical. The establishment of local marketing and service centers has allowed us to conduct business and provide technical support to our customers in over 120 countries and regions.

Hongfa's test center has the largest relay test and analysis laboratory in China. Our fully-equipped facility maintains the most advanced technology, which has allowed us to obtain certifications from VDE, UL, and CNAS. Our products bear the agency markings of UL, CUL, VDE, TÜV, and CQC. Our engineers and scientists continuously drive the relay industry and influence professional and national standards.

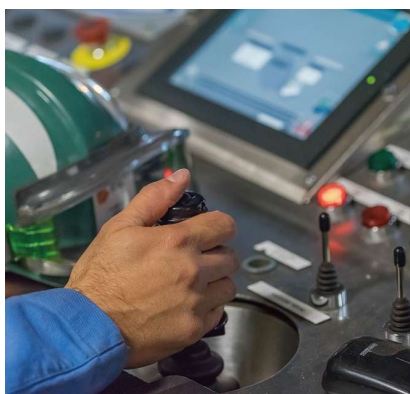
Hongfa believes that the key to sustainability and success is the pursuit of exceptional and consistent quality. Through the continuous improvement of the Hongfa quality management system, Hongfa has won global acknowledgements from our customers.

APPLICATION

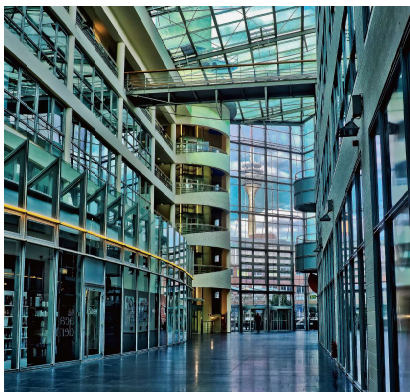
Telecom base station



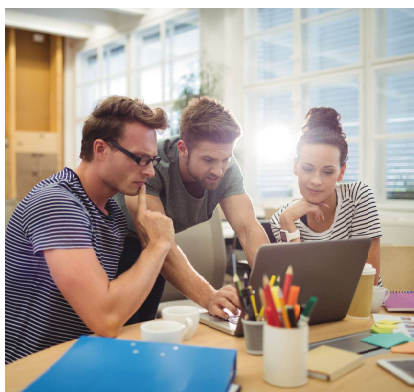
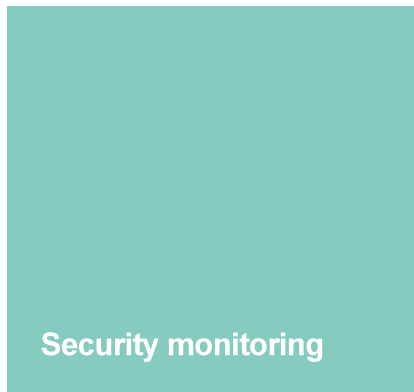
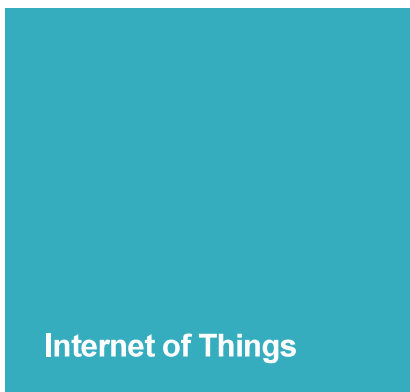
Test & Measurement



Security monitoring



Internet of Things





CATALOGUE

RF Connector Type Naming Rules	01
SMA Series	02
SSMA Series	36
SMP Series	44
SSMP Series	54
2.92 Series	58
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1.85 Series	68
3.5 Series	72
2.2 - 5 Series	74
BMA Series	76
SBMA Series	86
N Series	92
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SMB Series	132
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MCX Series	150
MMCX Series	156
HSMP Series	162
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RF Connector Type Naming Rules

Type name composition of RF Connectors:

RF Connectors types are named with three parts, namely, primary, code, structure code and extension code, which are connected by dash (“—”) marks.

Definition Section	Symbol Sequence	Classification Characteristics	Symbol Content	Symbol Code	Symbol Description
Interface	1	Primary code	Product Series	Example: SMA	International Code Name
	2		Dash	-	
	3	Special Requirements	Seal	M	Sealed connector for glass sintering unsealed, unmarked code name
	4		Dash	-	
	5		Impedance	50(or 75)	50Ω Unmarked code name
	6	Special structure	Reverse polarity and left-handed thread	RP-, L-	See Notes
	7	Internal conductor form	Male	J	
Female			K		
Structure	8	Main structure	Straight	Ellipsis	
			Angle	W	
			Inclined	X	
	9	Mounting method	Flange	F	
			Thread	Y	
			Soldering	H	
			Thread installation(front end)+Soldering(after end)	YH	
			Embedded crimping installation	P	
			Free end	Ellipsis	
Termination	10	Cable type	High frequency cable or waveguide probe	Ellipsis	
			Semi rigid and semi flexible cable	B+cable number	See coaxial cable numbering table
			Flexible cable or corrugated copper tube cable	Cable number	See coaxial cable numbering table
			Microstrip Wire	D	
			PCB	E	
			SMT	T	
	11	Termination-method	Soldering for cable shielding layer	H	
			Crimping for cable shielding layer	Y	
			Pressure sleeve pressing for cable shielding layer	Ellipsis	
Sequence number	12	External conductors and structural parts	Copper alloy	Ellipsis	
			Stainless steel	G	
Sequence number	13		Dash	—	
	14	Specification expansion	Arabic numerals	numerals	Distinguish between structure, size and surface treatment,

Notes: Reverse polarity(RP-) and left thread(L-) are located in front of the main designation code.

Example of composition of model names of RF connectors:

Example: RP-SMA-M-JWY3YG-1

Description: Reverse polarity, SMA type seal, 50Ω, inner conductor is male, bend type, thread installation, flexible cable, cable shield lamination, outer conductor and structural parts are stainless steel, type 1 expansion.

Statement:

This sample book is for customers reference when choosing type. Specific size and tolerance can be found in specification.

Hongfa can not assess all the performance parameters of connectors in each specific application area, customers should choose the products that match them according to the specific conditions of use. If in doubt, please contact Hongfa for more technical support. However, the responsibility for product selection is solely the responsibility of customers.

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SMA series

RF Coaxial Connector

FEATURES

- Small size and wide frequency band
- Excellent mechanical and electrical performance, high reliability
- Suitable for fields such as microwave communication, aerospace, navigation and microwave measurement equipment

TECHNICAL PARAMETER

Temperature: - 65~+165°C

Impedance: 50Ω

Frequency: 0~12.4GHz bx cable

0~18GHz semi rigid and semi flexible cable

VSWR: ≤1.15+0.02F bx cable

≤1.10+0.02F semi rigid and semi flexible cable

Insulation resistance: ≥5000MΩ

Dielectric strength: 1000V(rms)

Operating Voltage: 330V (rms)

Contact resistance: Center contact: <3mΩ;

Outer contact: <2mΩ

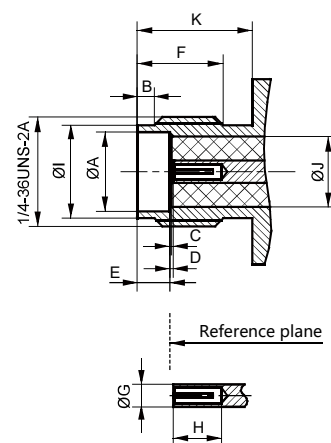
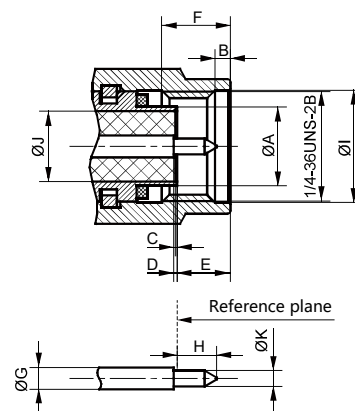
Mechanical endurance: 500 ops

IMPLEMENTATION CRITERIA

IEC 60169-15 GB/T 11319-89



INTERFACE DIMENSIONS

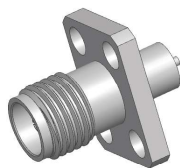


Male Connector

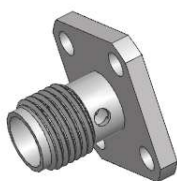
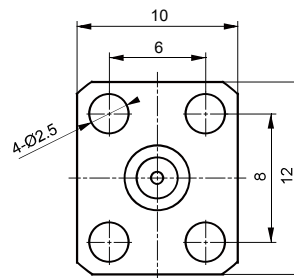
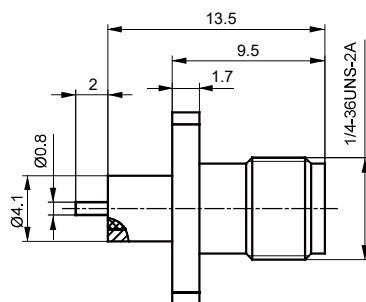
	Min(mm)	Max(mm)
A	/	4.59
B	0.38	1.14
C	-0.18	+0.05
D	0.00	/
E	/	3.43
F	2.54	/
G	Ø1.27 Nominal value	
H	/	2.54
I	6.35	/
J	/	4.13
K	0.902	0.935

Female Connector

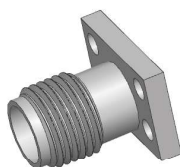
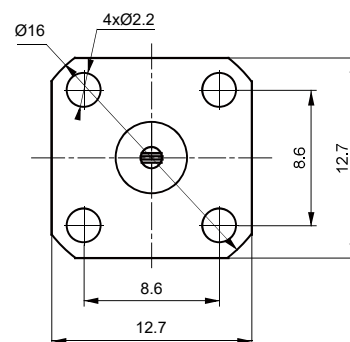
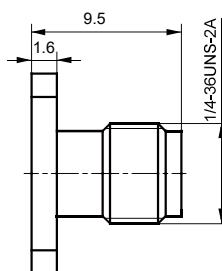
	Min(mm)	Max(mm)
A	4.60	4.67
B	0.38	1.14
C	-0.05	0.18
D	0.00	0.41
E	1.88	1.98
F	4.32	/
G	Ø1.27 Nominal value	
H	2.92	/
I	5.28	5.49
J	/	4.178
K	5.54	/



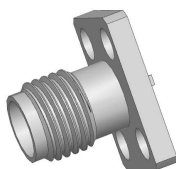
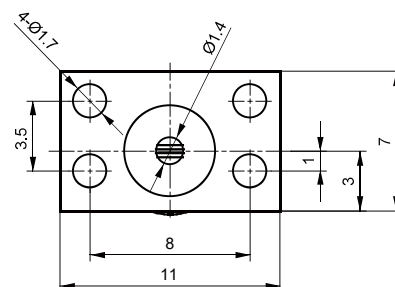
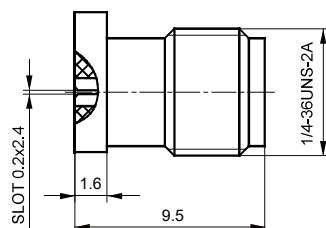
SMA-KFD-6



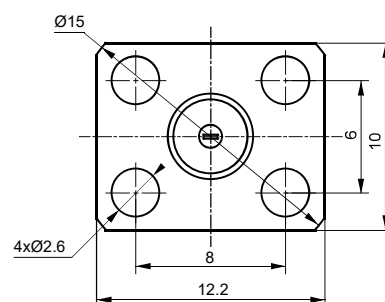
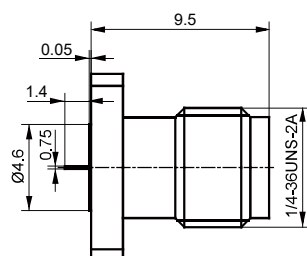
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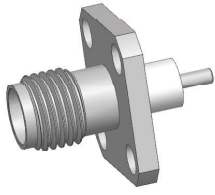
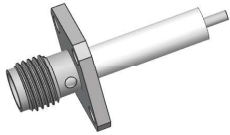
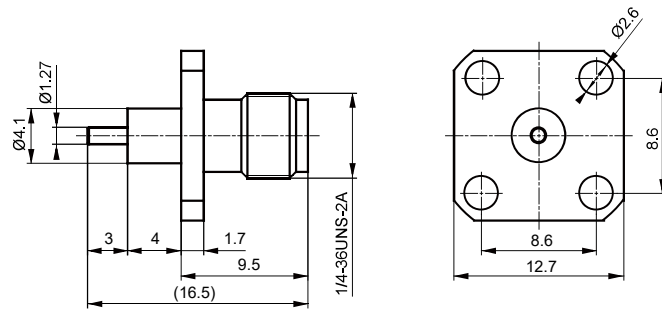
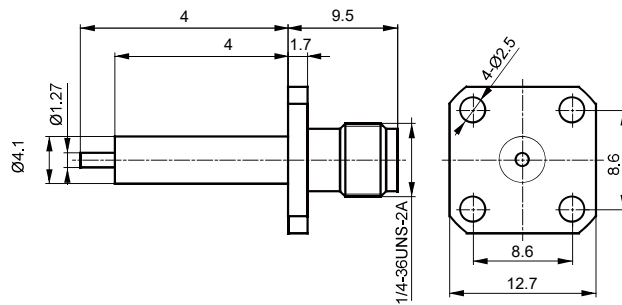


SMA-KFD-17

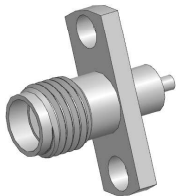
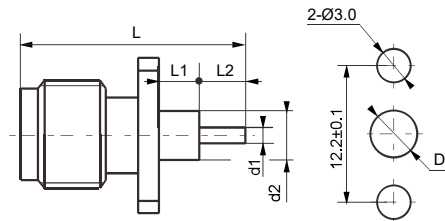


SMA-KFDG-19

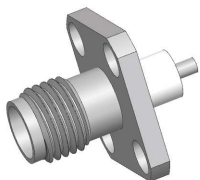
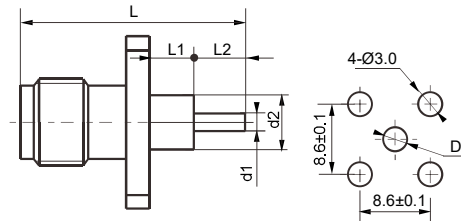


**SMA-KFD4-3****SMA-KFDG-7**

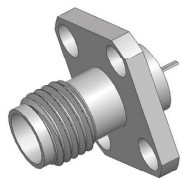
Type	Cable	Notes
SMA-KFDG-7	/	stainless steel

**SMA-KFD-50****PC BOARD LAYOUT**

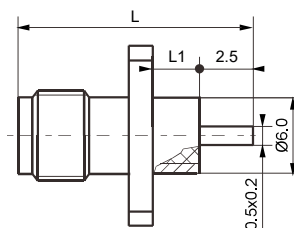
Type	L	L1	L2	d1	d2	D
SMA-KFD-50	27.6	15	3	$\varnothing 1.3$	$\varnothing 4.1$	$\varnothing 4.2$
SMA-KFD-51	14.8	3.2	2	$\varnothing 1.3$	$\varnothing 4.1$	$\varnothing 4.2$

**SMA-KFD-52****PC BOARD LAYOUT**

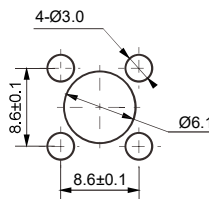
Type	L	L1	L2	d1	d2	D
SMA-KFD-52	15.6	4	2	$\varnothing 1.3$	$\varnothing 4.1$	$\varnothing 4.2$
SMA-KFD-53	20.6	9	2	$\varnothing 1.3$	$\varnothing 4.1$	$\varnothing 4.2$



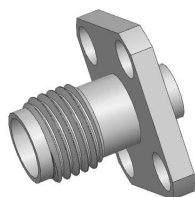
SMA-KFD-55



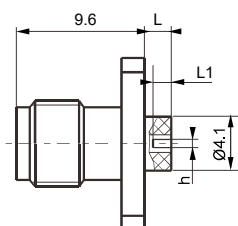
PC BOARD LAYOUT



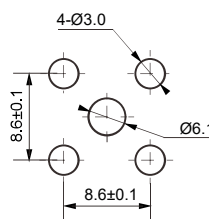
Type	L	L1
SMA-KFD-55	14.5	2.4
SMA-KFD-56	15.3	3.2
SMA-KFD-57	16.9	4.8
SMA-KFD-58	16.1	4



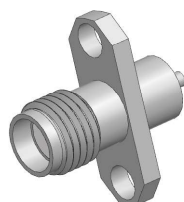
SMA-KFD-61



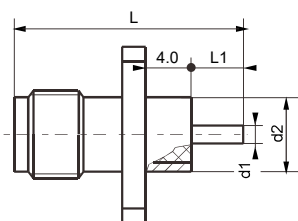
PC BOARD LAYOUT



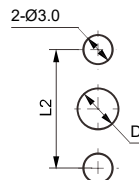
Type	L	L1	h
SMA-KFD-61	2.0	2.0	0.4
SMA-KFD-62	3.0	2.5	0.2



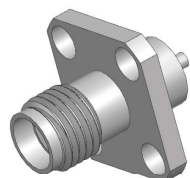
SMA-KFD-64



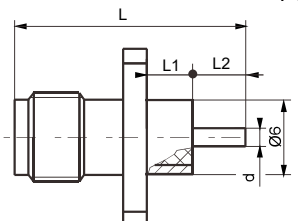
PC BOARD LAYOUT



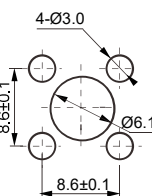
Type	L	L1	L2	d1	d2	D
SMA-KFD-64	15.6	4	12.2±0.1	Ø1.3	Ø6.0	Ø6.1
SMA-KFDG-64	15.6	9	12.2±0.1	Ø1.3	Ø6.0	Ø6.1



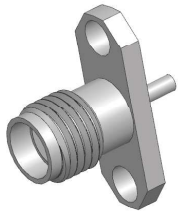
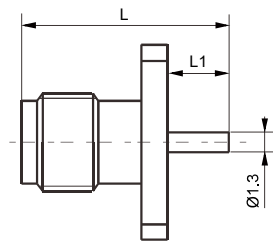
SMA-KFD-65



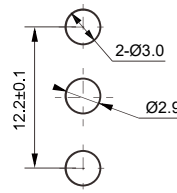
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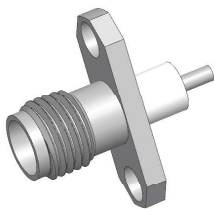
Type	L	L1	L2	d
SMA-KFD-65	15.6	4.0	2.0	Ø1.3
SMA-KFD-66	15.8	3.2	3.0	Ø1.3

**SMA-KFD-67**

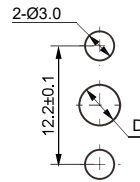
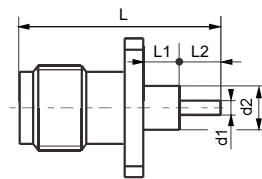
PC BOARD LAYOUT



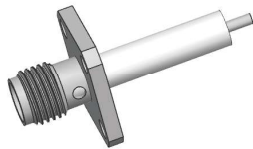
Type	L	L1
SMA-KFD-67	13.6	4.0
SMA-KFD-68	12.1	2.5

**SMA-KFD-69**

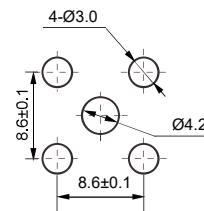
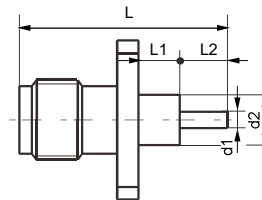
PC BOARD LAYOUT



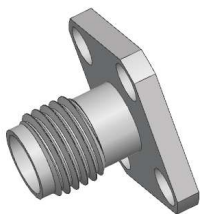
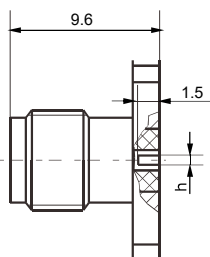
Type	L	L1	L2	d1	d2	D
SMA-KFD-69	15.6	2.0	4.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-70	16.6	4.0	3.0	Ø1.3	Ø4.1	Ø4.2

**SMA-KFDG-7**

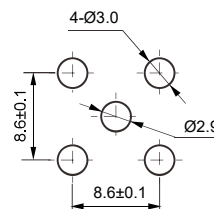
PC BOARD LAYOUT



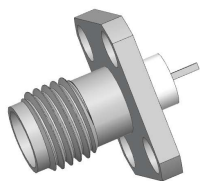
Type	L	L1	L2	d1	d2
SMA-KFDG-7	27.6	15.0	3.0	Ø1.3	Ø4.1
SMA-KFD-71	24.2	4.0	0.6	Ø0.4	Ø4.1
SMA-KFD-72	21.6	4.0	8.0	Ø1.3	Ø4.2

**SMA-KFD-73**

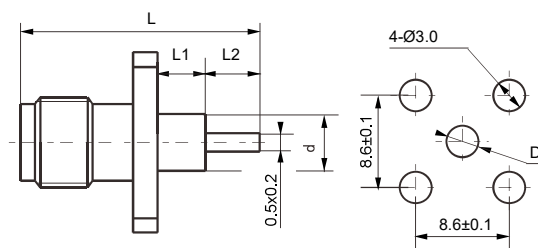
PC BOARD LAYOUT



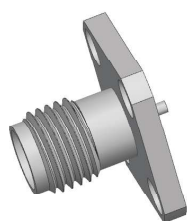
Type	h
SMA-KFD-73	0.2
SMA-KFD-74	0.4

**SMA-KFD-80**

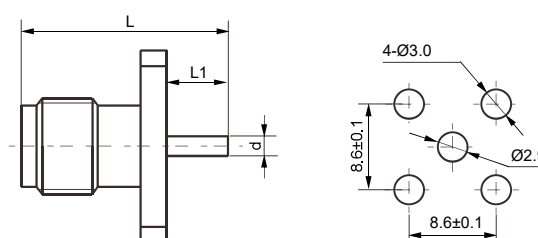
PC BOARD LAYOUT



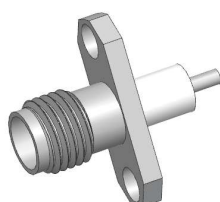
Type	L	L1	D	d
SMA-KFD-80	14.5	2.4	Ø4.2	Ø4.1
SMA-KFD-81	15.3	3.2	Ø2.2	Ø2.1
SMA-KFD-82	19.1	7.0	Ø4.2	Ø4.1

**SMA-KFD-83**

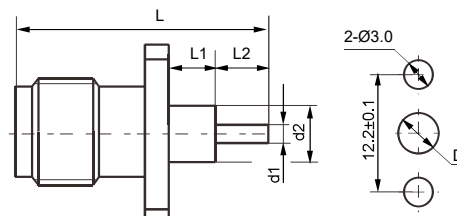
PC BOARD LAYOUT



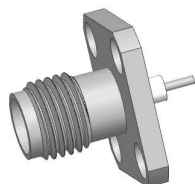
Type	L	L1	d
SMA-KFD-83	11.2	1.6	Ø0.9
SMA-KFD-84	10.8	1.2	Ø0.8
SMA-KFD-85	10.3	0.9	Ø0.6

**SMA-KFD-90**

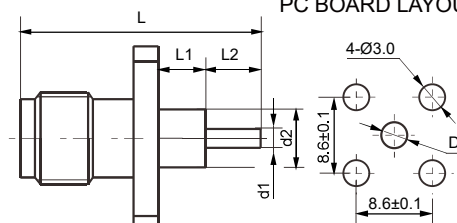
PC BOARD LAYOUT



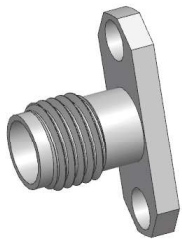
Type	L	L1	L2	d1	d2	D
SMA-KFD-90	17.6	5.0	3.0	Ø0.8	Ø4.1	Ø4.2
SMA-KFD-91	27.5	15.0	2.9	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-92	15.6	2.0	4.0	Ø1.3	Ø4.1	Ø4.2

**SMA-KFD-94**

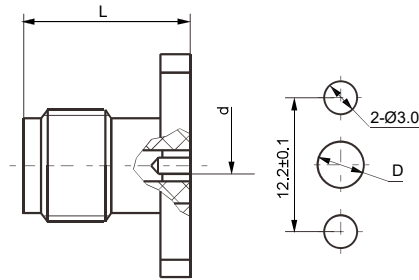
PC BOARD LAYOUT



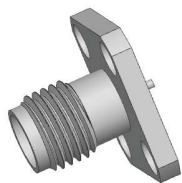
Type	L	L1	L2	d1	d2	D
SMA-KFD-94	15.3	3.2	2.5	Ø0.7	Ø2.1	Ø2.2
SMA-KFD-95	14.5	2.4	2.5	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-96	27.6	13	5.0	Ø1.3	Ø4.1	Ø4.2

**SMA-KFD-97**

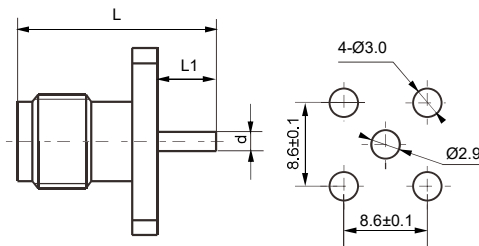
PC BOARD LAYOUT



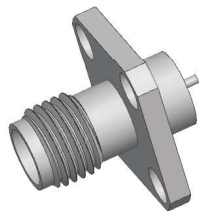
Type	h	d	D	Pin
SMA-KFD-97	12.2±0.1	Ø0.6	*	Ø0.47~Ø0.5
SMA-KFDG-98	12.2±0.1	Ø0.4	*	Ø0.35~Ø0.38
SMA-KFDG-99	12.2±0.1	Ø0.6	*	Ø0.47~Ø0.5

**SMA-KFD-100**

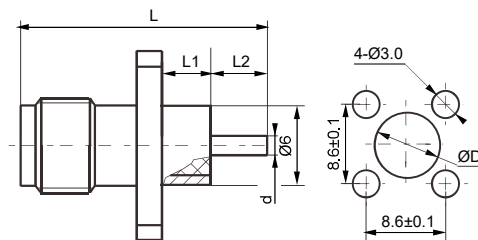
PC BOARD LAYOUT



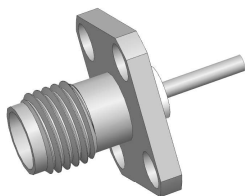
Type	L	L1	d
SMA-KFD-100	11.1	1.5	Ø0.7
SMA-KFD-101	14.1	1.5	Ø0.5

**SMA-KFD-104**

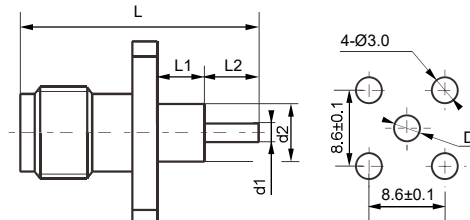
PC BOARD LAYOUT



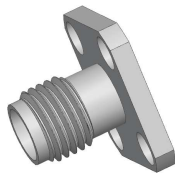
Type	L	L1	L2	d	D
SMA-KFD-104	14.1	3.0	1.5	Ø0.7	6.1
SMA-KFD-105	15.1	4.0	1.5	Ø0.8	6.1
SMA-KFDG-142	14.1	3.0	1.5	Ø0.7	6.2

**SMA-KFD-107**

PC BOARD LAYOUT

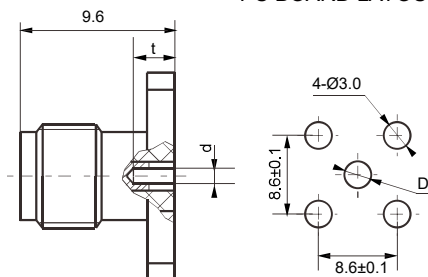


Type	L	L1	L2	d1	d2	D
SMA-KFD-107	24.3	1.6	13.1	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-108	27.6	15	3.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-109	19.1	7.5	2.0	Ø1.4	Ø4.1	Ø4.2

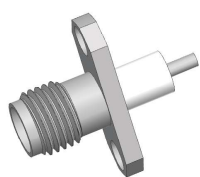


SMA-KFD-114

PC BOARD LAYOUT

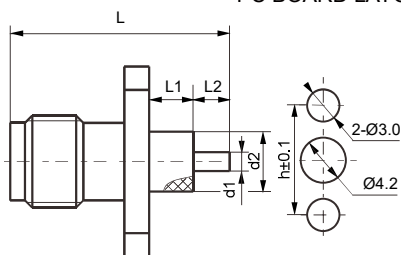


Type	t	d	D	Pin
SMA-KFD-114	2.8	Ø0.9	*	Ø0.9 ~ Ø0.93
SMA-KFD-115	2.8	Ø0.8	*	Ø0.78 ~ Ø0.8
SMA-KFD-116	2.6	Ø0.5	*	Ø0.45 ~ Ø0.48

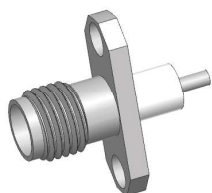


SMA-KFDG-118

PC BOARD LAYOUT

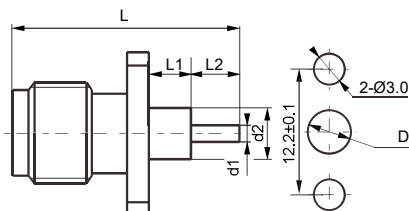


Type	L	L1	L2	d1	d2	h
SMA-KFDG-118	17.6	5.0	3.0	Ø1.8	Ø4.1	10.2
SMA-KFD-119	19.2	4.0	5.6	Ø0.7	Ø4.1	12.2
SMA-KFD-120	14.1	3.0	1.5	Ø1.3	Ø4.1	12.2

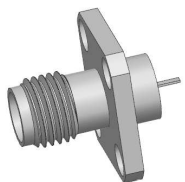


SMA-KFD-123

PC BOARD LAYOUT

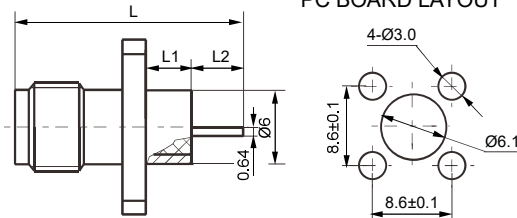


Type	L	L1	L2	d1	d2	D
SMA-KFD-123	17.0	3.0	3.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-124	25.8	12.2	4.0	Ø1.3	Ø3.0	Ø3.1
SMA-KFD-125	14.8	3.2	2.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-126	27.6	15.0	3.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-127	34.6	20.0	5.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-128	27.7	10.5	7.0	Ø0.8	Ø2.6	Ø2.7
SMA-KFD-129	14.1	2.0	2.5	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-130	15.6	3.0	3.0	Ø1.0	Ø4.1	Ø4.2

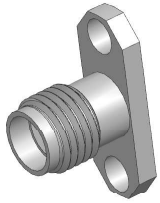


SMA-KFD-132

PC BOARD LAYOUT

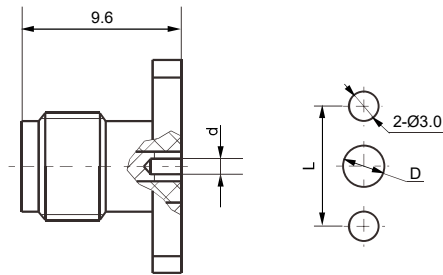


Type	L	L1	L2
SMA-KFD-132	15.1	3.0	2.5
SMA-KFD-133	15.6	4.0	2.0
SMA-KFD-134	17.1	5.0	2.5
SMA-KFD-135	16.1	4.0	2.5
SMA-KFD-136	17.6	5.0	3.0

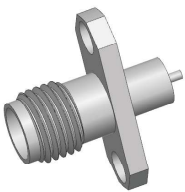


SMA-KFD-140

PC BOARD LAYOUT

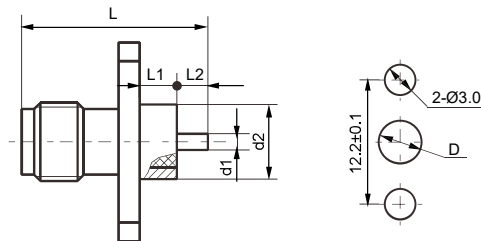


Type	L	d	D
SMA-KFD-140	12.2±0.1	Ø0.5	*
SMA-KFD-141	12.2±0.1	Ø0.5	*

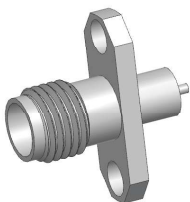


SMA-KFDG-148

PC BOARD LAYOUT

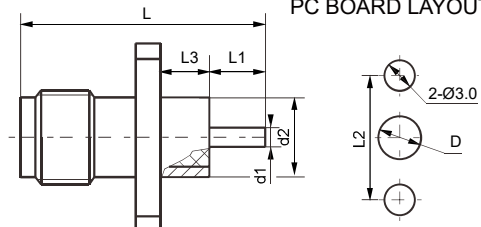


Type	L	L1	L2	d1	d2	D
SMA-KFDG-148	15.1	4.0	1.5	Ø0.8	Ø4.0	Ø4.1
SMA-KFD-149	14.6	2.5	2.5	Ø1.3	Ø6.0	Ø6.1
SMA-KFD-150	14.4	2.4	2.4	Ø0.5	Ø5.2	Ø5.3
SMA-KFD-151	14.0	2.4	2.0	Ø0.5	Ø5.2	Ø5.3
SMA-KFD-152	15.6	4.0	2.0	Ø0.8	Ø4.1	Ø4.2
SMA-KFD-153	15.6	4.0	2.0	Ø0.8	Ø4.1	Ø4.2
SMA-KFDG-154	16.9	4.0	3.3	Ø1.3	Ø6.0	Ø6.1

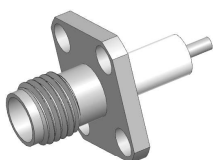


SMA-KFD-148

PC BOARD LAYOUT

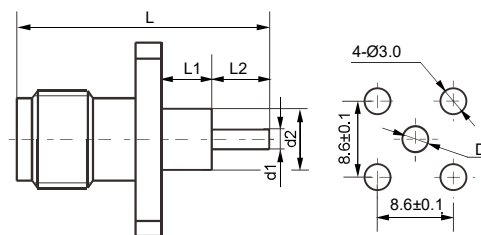


Type	L	L1	L2	L3	d1	d2	D
SMA-KFDG-148	15.1	1.5	12.2±0.1	4.0	Ø0.8	Ø4.1	Ø4.2
SMA-KFD-155	15.1	1.5	10.2±0.1	4.0	Ø0.8	Ø4.0	Ø4.1
SMA-KFD-156	14.4	0.8	12.2±0.1	4.0	Ø0.6	Ø4.0	Ø4.1
SMA-KFD-157	17.6	3.0	10.2±0.1	5.0	Ø1.0	Ø4.5	Ø4.6

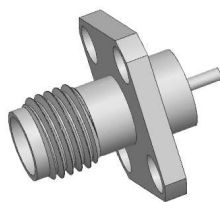
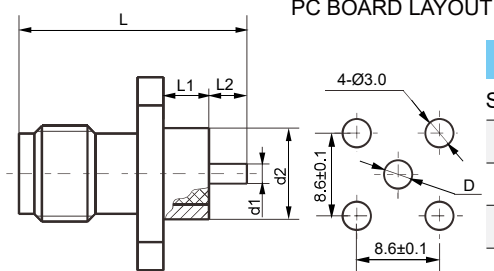


SMA-KFD-158

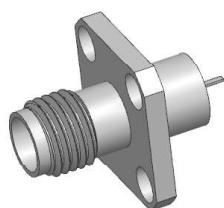
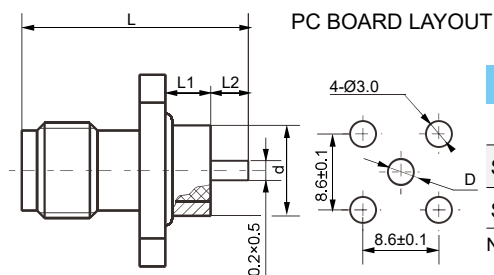
PC BOARD LAYOUT



Type	L	L1	L2	d1	d2	D
SMA-KFDG-158	20.6	8.0	3.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-159	18.8	3.0	4.2	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-160	39.6	25.0	5.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-161	17.6	25.0	12.0	Ø1.3	Ø4.1	Ø4.2

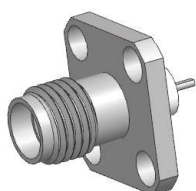
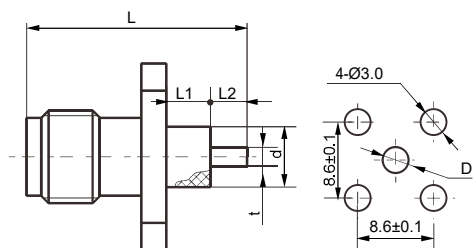
**SMA-KFD-162**

Type	L	L1	L2	d1	d2	D
SMA-KFDG162	15.6	3.0	3.0	Ø1.0	Ø6.0	Ø6.1
SMA-KFD163	18.6	4.0	5.0	Ø1.3	Ø6.0	Ø6.1
SMA-KFD164	15.6	2.4	2.0	Ø0.8	Ø4.8	Ø4.9
SMA-KFD165	14.4	4.0	2.4	Ø0.5	Ø5.2	Ø5.3
SMA-KFD166	14.4	4.0	0.8	Ø0.6	Ø4.0	Ø4.1

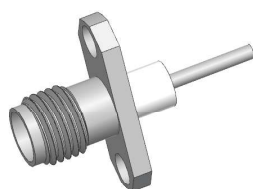
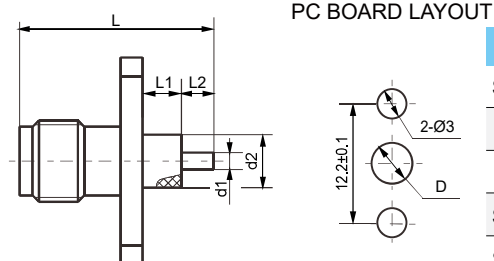
**SMA-KFD-167**

Type	L	L1	L2	d	D
SMA-KFD-167	17.1	5.0	2.5	Ø6.0	Ø6.1
SMA-KFDG-167	17.1	5.0	2.5	Ø6.0	Ø6.1
SMA-KFDG-168	21.2	5.0	6.6	Ø6.0	Ø6.1

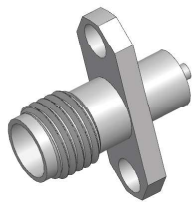
Notes: The microstrip size of SMA-KFD206G Ø 1.3

**SMA-KFD-169**

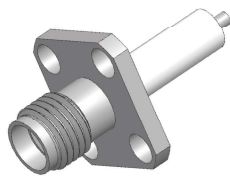
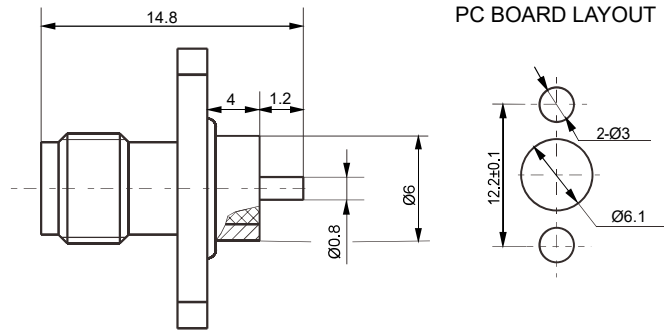
Type	L	L1	L2	t	d	D
SMA-KFD-169	15.3	3.2	2.5	Ø0.7x0.5 Semicircle	Ø2.1	Ø2.2
SMA-KFD-170	13.3	1.5	2.2	Ø1.3x0.65 Semicircle	Ø4.1	Ø4.2

**SMA-KFD-172**

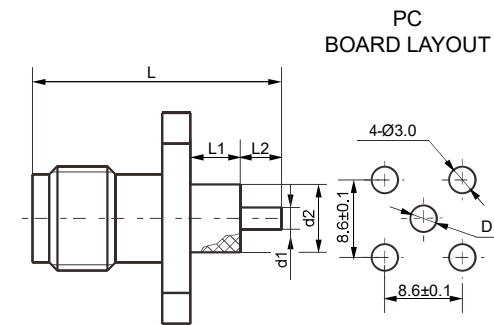
Type	L	L1	L2	d1	d2	D
SMA-KFD-172	17.6	6.0	2.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-10	21.6	4.0	8.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-14	15.6	4.0	2.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-173	81.1	62.0	9.5	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-174	20.6	7.0	4.0	Ø1.3	Ø3.0	Ø3.1
SMA-KFD-175	40.8	20.6	10.0	Ø1.0	Ø4.1	Ø4.2



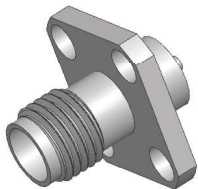
SMA-KFD-176



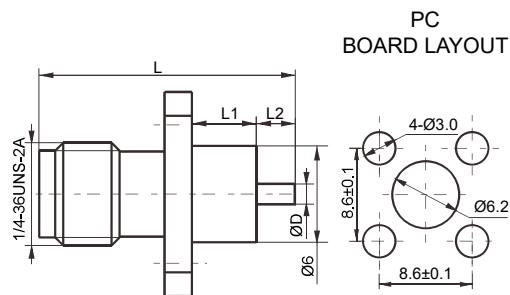
SMA-KFD-178



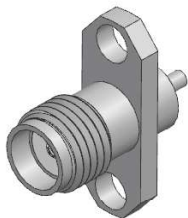
Type	L	L1	L2	d1	d2	D
SMA-KFD-178	23.6	12	2.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-179	24.1	9.0	5.5	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-180	16.6	5.0	2.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-181	17.0	5.4	2.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-182	27.6	4.0	14.0	Ø1.3	Ø4.1	Ø4.2
SMA-KFD-183	33.6	4.0	20.0	Ø1.3	Ø4.1	Ø4.2



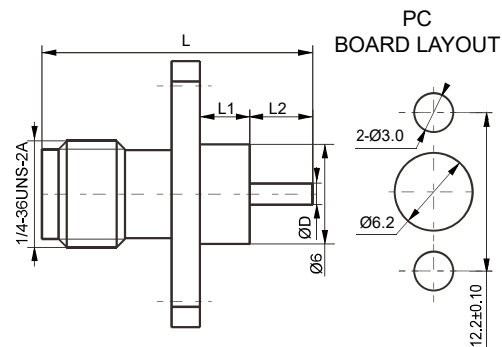
SMA-KFD-184



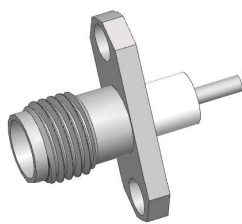
Type	L	L1	L2	D
SMA-KFD-184	14.0	3.2	1.2	1.3
SMA-KFDG-184	14.0	3.2	1.2	1.3
SMA-KFDG-185	15.1	4.0	1.5	0.8



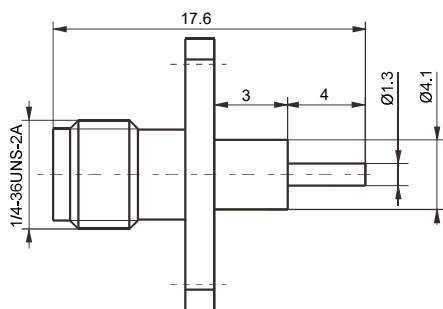
SMA-KFD-186



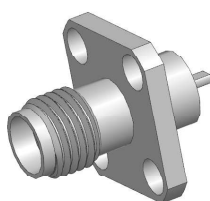
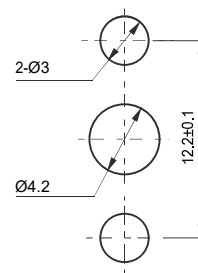
Type	L	L1	L2	D
SMA-KFD-186	15.0	2.4	3.0	1.3
SMA-KFD-187	15.8	3.2	3.0	1.3
SMA-KFD-188	17.4	4.8	3.0	1.3



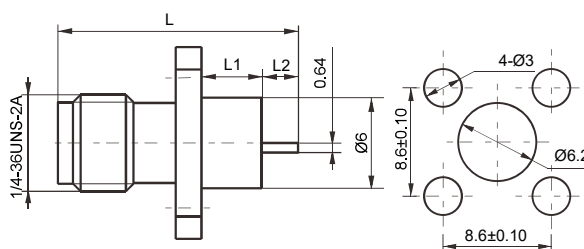
SMA-KFD-189



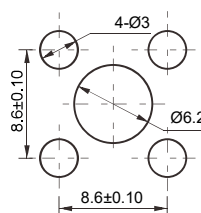
PC BOARD LAYOUT



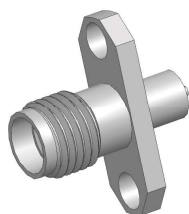
SMA-KFD-190



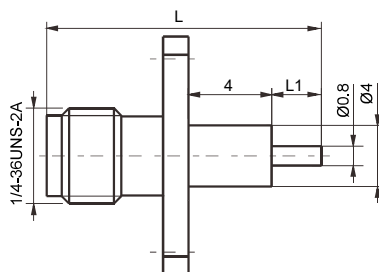
PC BOARD LAYOUT



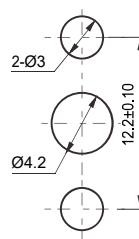
Type	L	L1	L2
SMA-KFD-190	16.0	4.0	2.4
SMA-KFD-191	15.6	4.0	2.0



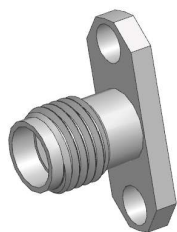
SMA-KFD-197



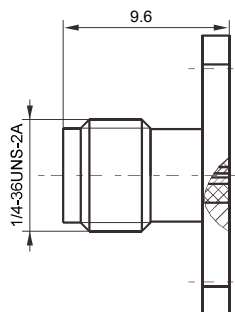
PC BOARD LAYOUT



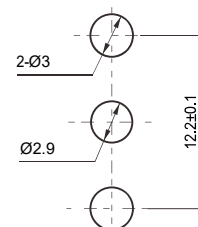
Type	L	L1
SMA-KFD-197	14.6	1.0
SMA-KFD-198	16.1	2.5



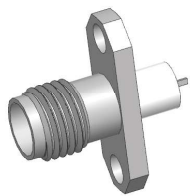
SMA-KFD-203



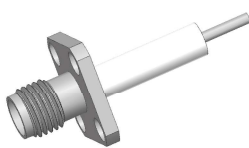
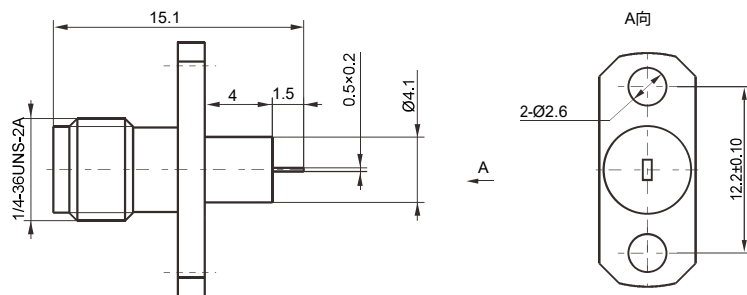
PC BOARD LAYOUT



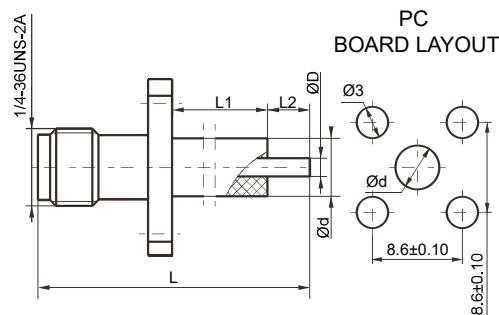
Note: The groove is parallel to the long side of the flange, with a groove width of 0.2mm



SMA-KFD-206

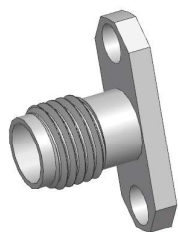


SMA-KFD-211

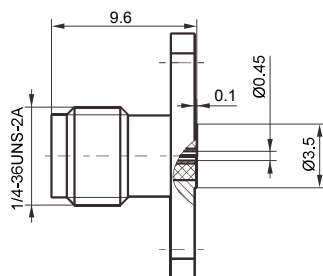


PC BOARD LAYOUT

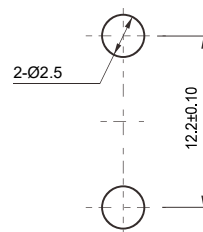
Type	L	L1	L2	D	d
SMA-KFD-211	30.2	14.4	6.2	1.3	4.1
SMA-KFD-212	55.6	34.0	12.0	1.3	4.1
SMA-KFD-213	27.6	0	18.0	1.3	2.9
SMA-KFD-214	15.8	3.0	3.0	1.0	4.1
SMA-KFD-215	19.6	9.0	1.0	1.1	3.8
SMA-KFD-216	30.0	6.5	5.5	1.3	4.1
SMA-KFD-217	24.6	12.0	3.0	1.3	4.1
SMA-KFD-218	16.2	3.8	2.8	0.8	4.1



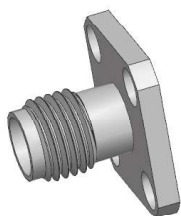
SMA-KFDG-221



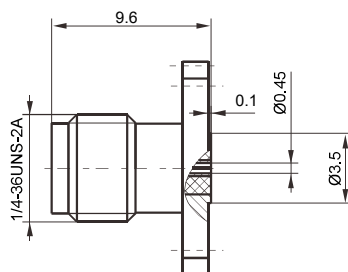
PC BOARD LAYOUT



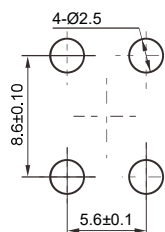
Note: The tail is equipped with a 0.35-0.38mm pin



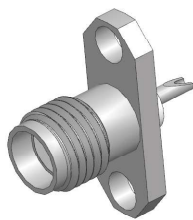
SMA-KFDG-222



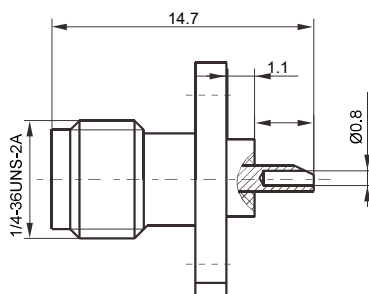
PC BOARD LAYOUT



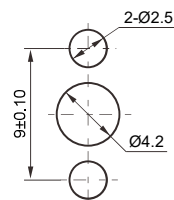
Note: The tail is equipped with a 0.35-0.38mm pin



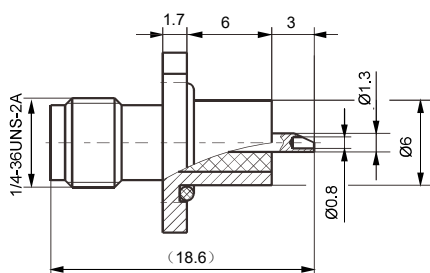
SMA-KFDG-228



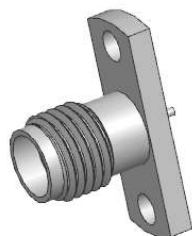
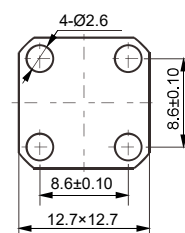
PC BOARD LAYOUT



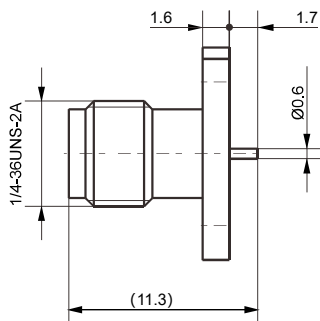
SMA-KFD-230



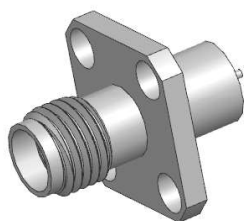
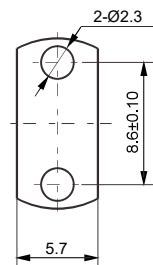
FLANGE SIZE



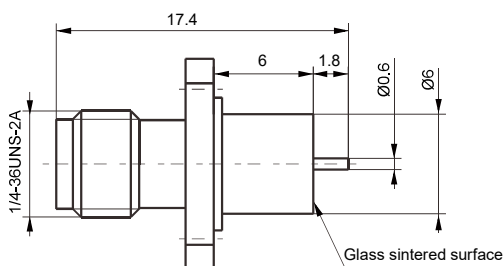
SMA-KFD-234



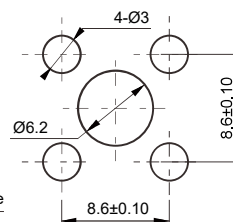
FLANGE SIZE

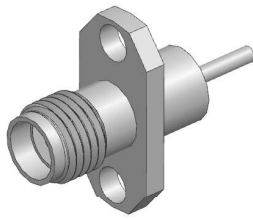


SMA-M-KFD-236

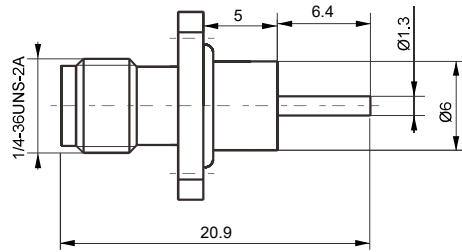


PC BOARD LAYOUT

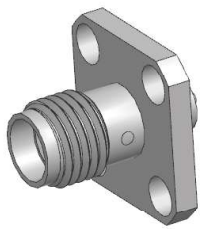
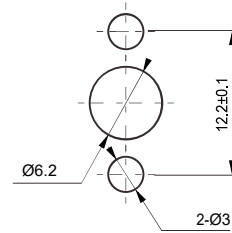




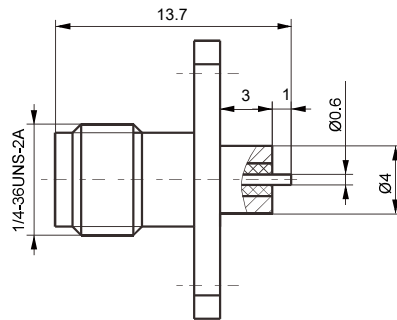
SMA-M-KFD-238



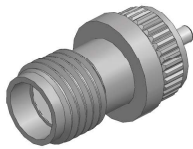
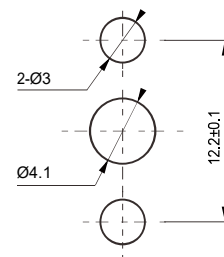
PC BOARD LAYOUT



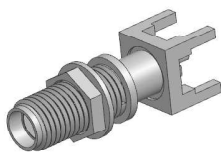
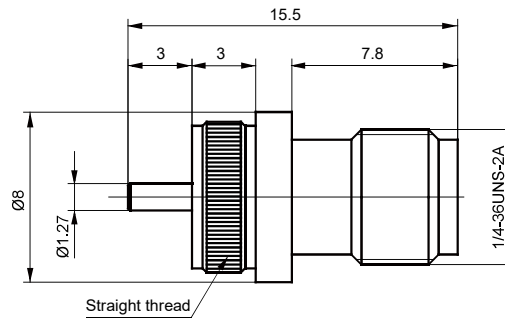
SMA-KFD-242



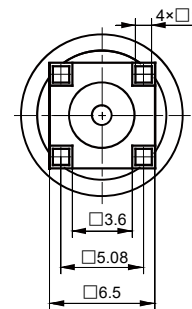
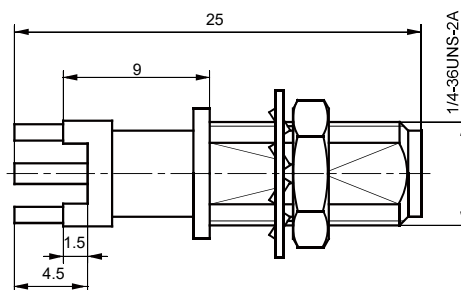
PC BOARD LAYOUT

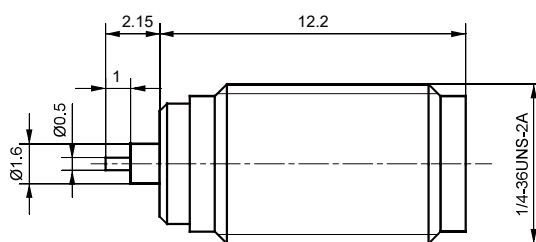
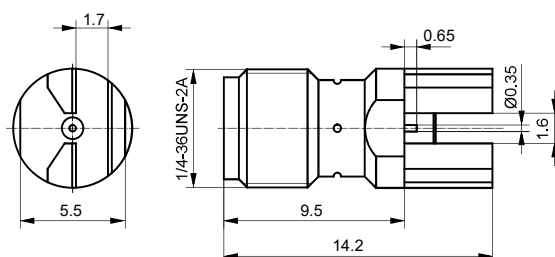
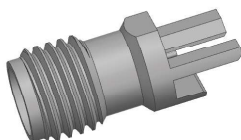
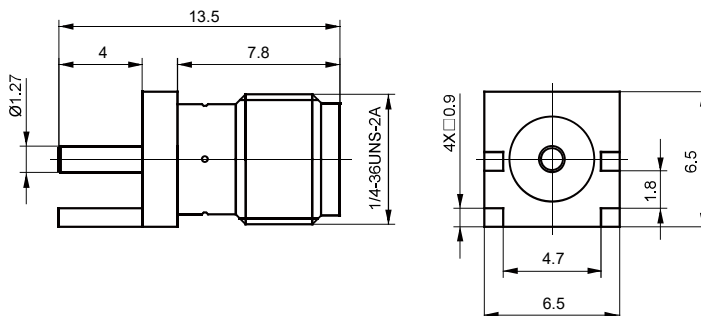
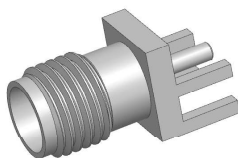
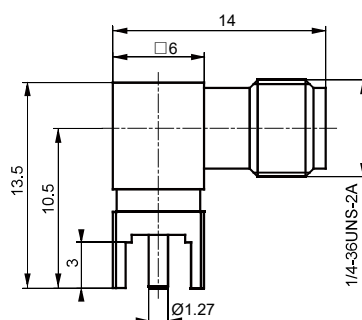
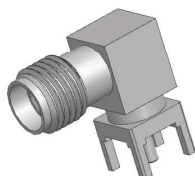
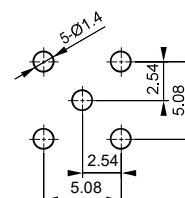


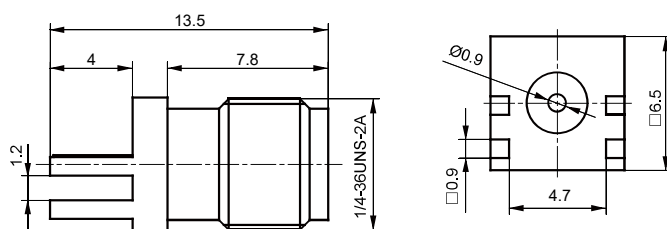
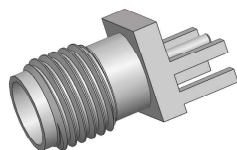
SMA-KPD



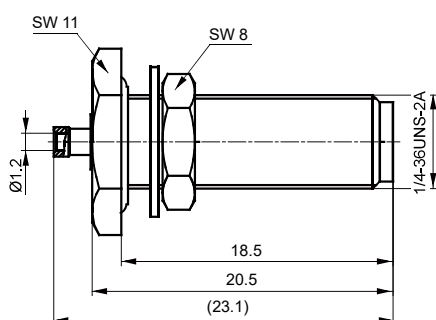
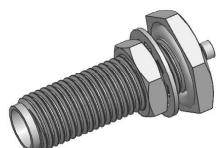
SMA-KYHE



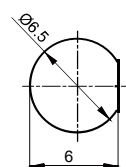
**SMA-KDG****SMA-KHE-10****SMA-KHE-6****SMA-KWHE****PC BOARD LAYOUT**



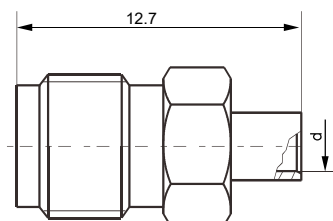
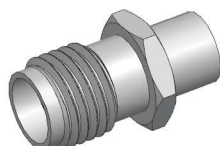
SMA-KHE-2



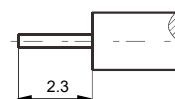
PC BOARD LAYOUT



SMA-KY1.13

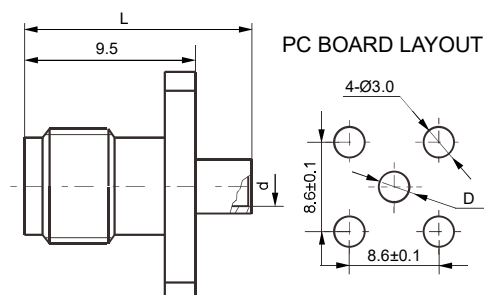
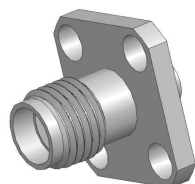


Cable stripping size

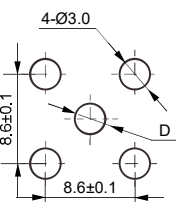


Type	d	Cable
SMA-KB2	Ø2.2	SFT-50-2-1
SMA-KB3	Ø3.6	SFT-50-3-1

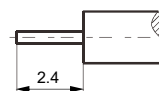
SMA-KB2



PC BOARD LAYOUT

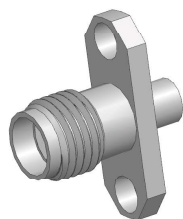
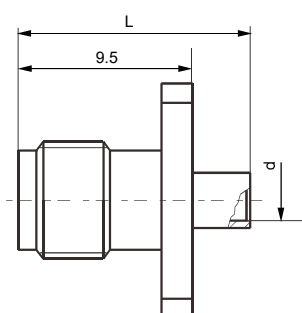


Cable stripping size

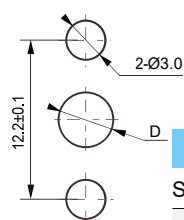


Type	d	D	L	Cable
SMA-KFB1	Ø1.2	Ø3.2	12.7	SFT-50-1
SMA-KFB2	Ø2.2	Ø3.5	12.7	SFT-50-2-1
SMA-KFB3	Ø3.6	Ø5.0	14.2	SFT-50-3-1

SMA-KFB1

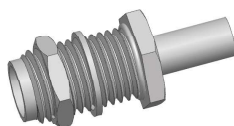
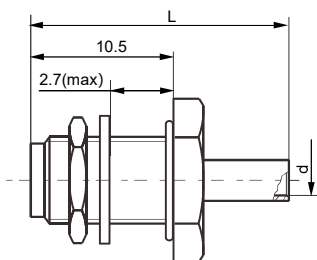
**SMA-KFB2-1**

PC BOARD LAYOUT

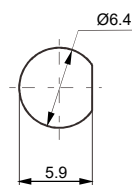


CABLE STRIPPING SIZE

Type	d	D	L	Cable
SMA-KFB2-1	Ø2.2	Ø3.5	12.7	SFT-50-2-1
SMA-KFB3-1	Ø3.6	Ø5.0	14.2	SFT-50-3-1

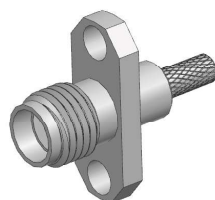
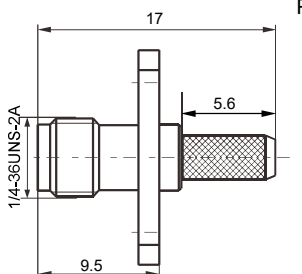
**SMA-KYB2-1**

PC BOARD LAYOUT

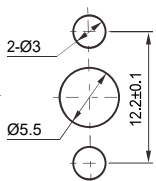


CABLE STRIPPING SIZE

Type	d	L1	Cable
SMA-KYB2-1	Ø2.2	19.0	SFT-50-2-1
SMA-KYB3	Ø3.6	19.0	SFT-50-3-1
SMA-KYB3-1	Ø3.6	15.9	SFT-50-3-1

**SMA-KF3Y-1**

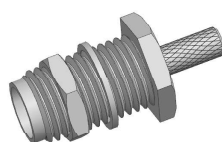
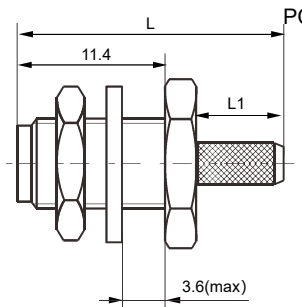
PC BOARD LAYOUT



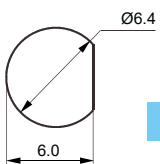
CLAMP

CABLE STRIPPING SIZE

Type	Cable
SMA-KF3Y-1	SYV-50-2-1, SFF-50-1.5-1

**SMA-KY3Y-1**

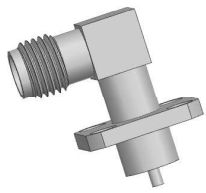
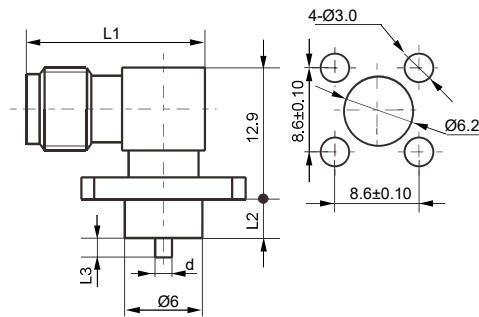
PC BOARD LAYOUT



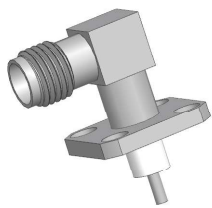
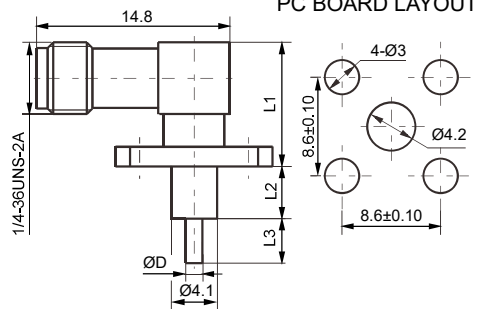
CLAMP

CABLE STRIPPING SIZE

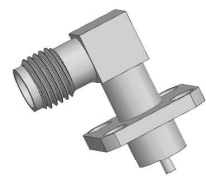
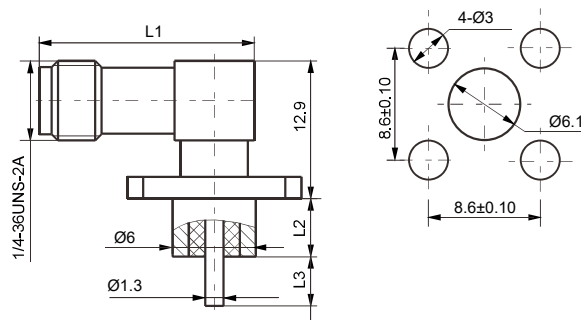
Type	L	L1	L2	A	B	C	Cable
SMA-KY3Y-1	18.8	5.6	6.5	2.5	6.7	12.3	SFF-50-1.5-1
							SYV-50-2-1
SMA-KY4Y	21.2	8.0	10.0	2.5	5.4	13.4	SFF-50-2-2
							SYV-50-2-2
SMA-KY5Y	23.2	10.0	12.0	2.5	5.4	15.4	SFF-50-3-1
							SYV-50-3

**SMA-KWFD-10****PC BOARD LAYOUT**

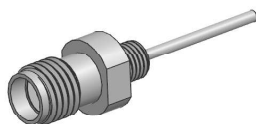
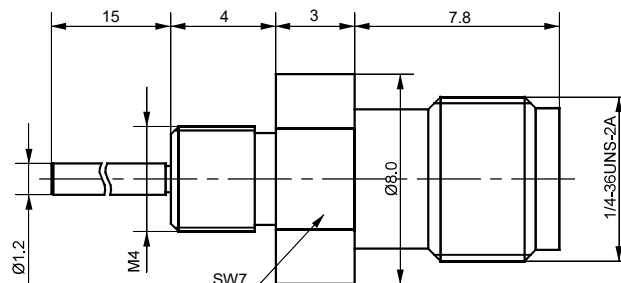
Type	L1	L2	L3	d
SMA-KWFD-10	14.8	4.0	2.0	Ø1.3
SMA-KWFD-11	14.8	2.4	5.0	Ø1.3
SMA-KWFD-12	23.3	4.0	2.0	Ø1.3

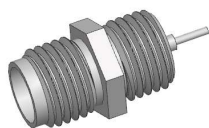
**SMA-KWFD-14****PC BOARD LAYOUT**

Type	L1	L2	L3	D
SMA-KWFD-14	11.4	8.8	0.2	Ø1.3
SMA-KWFD-15	11.4	4.0	3.5	Ø1.3
SMA-KWFD-16	10.9	4.0	5.0	Ø1.3
SMA-KWFD-17	12.9	5.0	3.0	Ø1.3
SMA-KWFD-18	12.9	7.0	4.5	Ø1.3
SMA-KWFD-19	12.9	0	7.8	Ø1.3
SMA-KWFD-20	12.9	11.5	2.0	Ø0.8

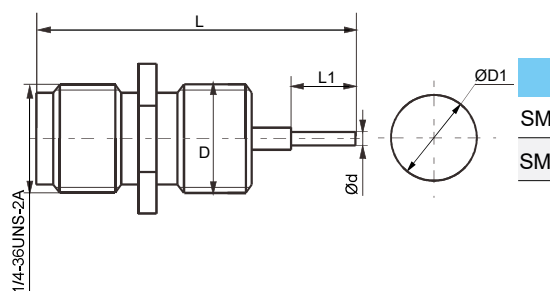
**SMA-KWFD-21****PC BOARD LAYOUT**

Type	L1	L2	L3
SMA-KWFD21	23.3	4	2
SMA-KWFD38	14.9	4	2
SMA-KWFD40	14.9	3	6

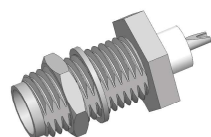
**SMA-KYD-1**



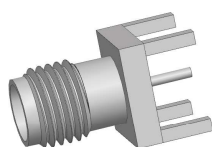
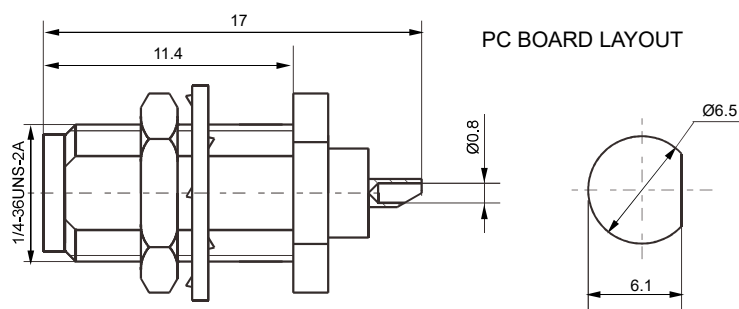
SMA-KYD-11



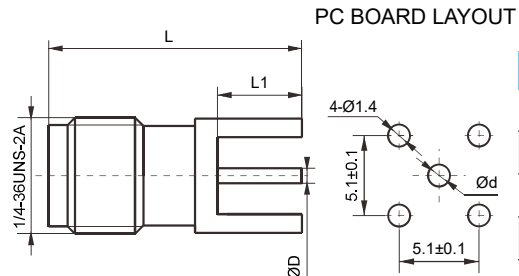
Type	L	L1	D	d	D1
SMA-KYD-11	16.6	2.8	1/4-36UNS-2A	0.6	6.4
SMA-KYD-12	19.1	3.0	M7×0.75	0.7	7.1



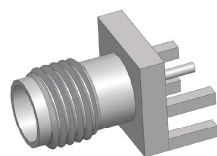
SMA-KYD-14



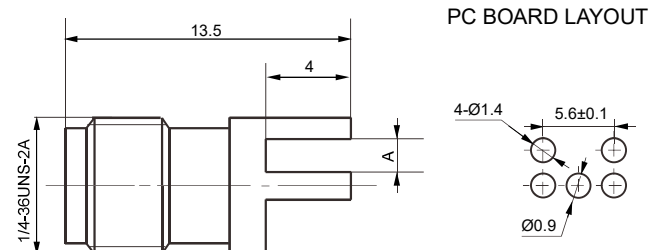
SMA-KHD-2



Type	L	L1	D	d	Notes
SMA-KHD-2	13.5	4.0	0.8	0.9	
SMA-KHD-3	20.7	4.0	1.3	1.4	
SMA-KHD-4	14.5	5.0	1.3	1.4	Shell nickel plating
SMA-KHD-5	15.5	3.0	1.3	1.4	

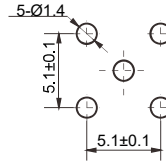
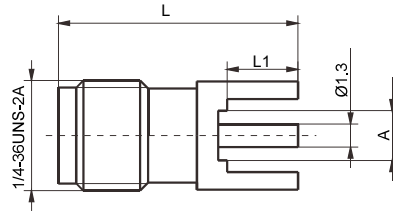
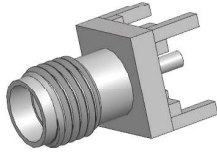


SMA-KHD-6



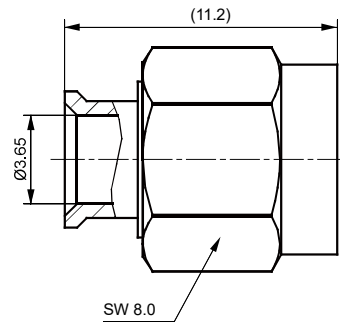
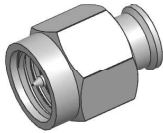
Type	A
SMA-KHD-6	2.0
SMA-KHD-7	1.8
SMA-KHD-8	2.2
SMA-KHD-9	1.1

PC BOARD LAYOUT



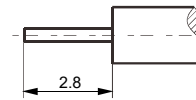
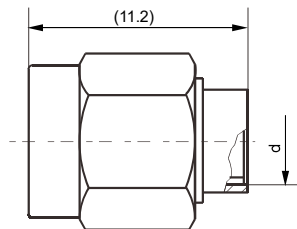
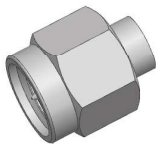
Type	L	L1	A
SMA-KHD-10	13.5	4.0	3.5
SMA-KHD-11	13.5	4.0	2.8
SMA-KHD-12	15.8	6.3	2.8

SMA-KHD-10



SMA-JB3

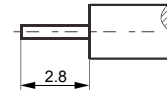
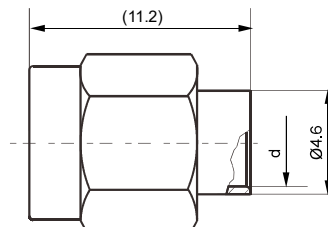
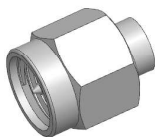
CABLE STRIPPING SIZE



Type	d	Cable	Notes
SMA-JBG2	Ø2.2	SFT-50-2-1	Stainless steel screw sleeve
SMA-JB3G-4	Ø3.6	SFT-50-3-1	passivation, copper shell gold plating

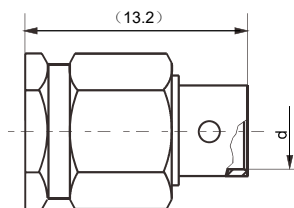
SMA-JB2G

CABLE STRIPPING SIZE

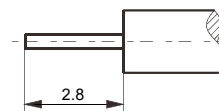


Type	d	Cable	Notes
SMA-JB2-4	Ø2.2	SFT-50-2-1	Retractable screw sleeve
SMA-JB3-5	Ø3.6	SFT-50-3-1	Retractable screw sleeve

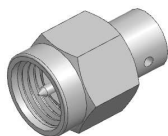
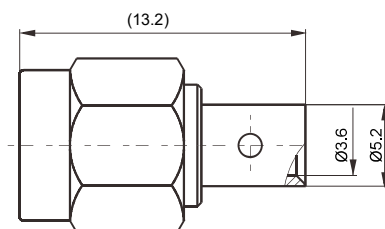
SMA-JB2-4

**SMA-JB2-5**

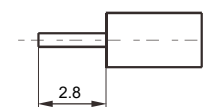
CABLE STRIPPING SIZE



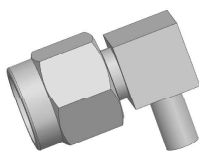
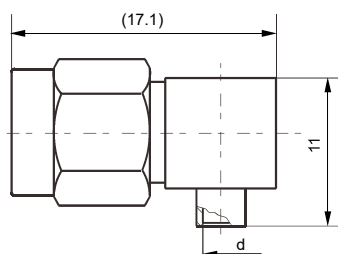
Type	D	Cable
SMA-JB2-5	Ø2.2	SFT-50-2-1
SMA-JB3-6	Ø3.6	STF-50-3-1

**SMA-JB3-8**

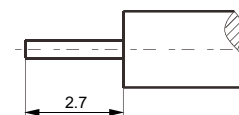
CABLE STRIPPING SIZE



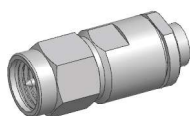
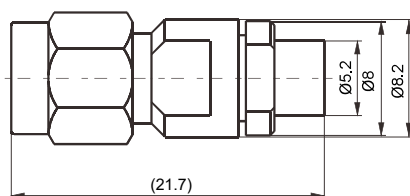
Type	Cable
SMA-JB3-8	SFT-50-3-1

**SMA-JWB2**

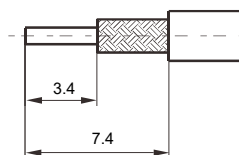
CABLE STRIPPING SIZE



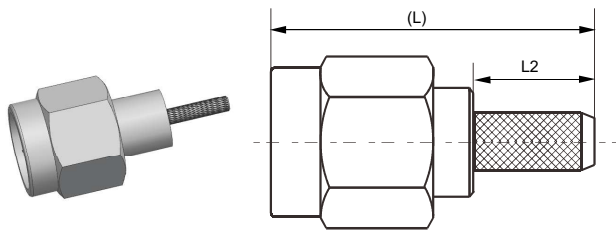
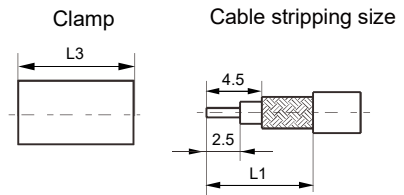
Type	D	Cable
SMA-JWB2	Ø2.2	SFT-50-2-1
SMA-JWB3	Ø3.6	STF-50-3-1

**SMA-J402G**

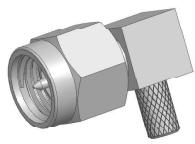
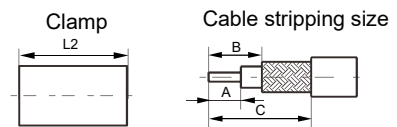
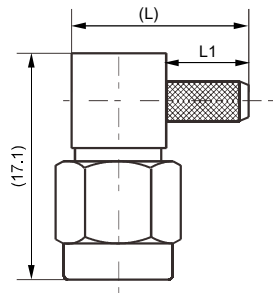
CABLE STRIPPING SIZE



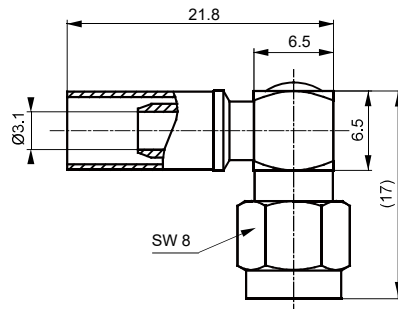
Type	Cable
SMA-J402G	TFLEX402

**SMA-J4Y**

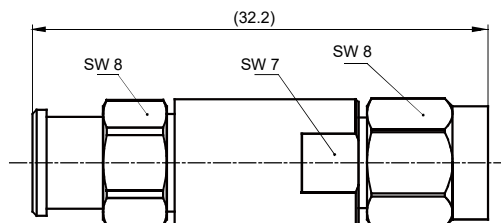
Type	L	L1	L2	L3	Cable
SMA-J4Y	21.5	12.5	8.0	10.0	SFF-50-2-2
					SYV-50-2-2
SMA-J5Y	23.7	14.5	10.0	12.0	SFF-50-3
					SYV-50-3-1

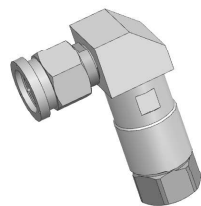
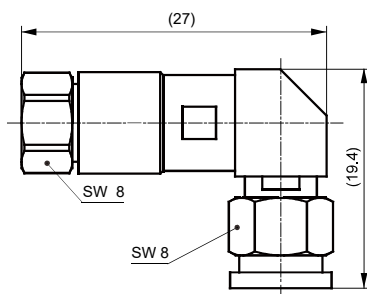
**SMA-JW2Y**

Type	L	L1	L2	A	B	C	Cable
SMA-JW2Y	13.0	5.7	6.5	2.7	4.6	102	SFF-50-1
							SYV-50-1
SMA-JW3Y-1	13.0	5.7	6.5	2.7	4.6	102	SFF-50-1.5-1
							SYV-50-2-1
SMA-JW4Y	16.0	8.0	10.0	3.0	5.0	130	SFF-50-2-2
							SYV-50-2-2
SMA-JW5Y	18.0	10.0	12.0	3.0	5.0	150	SFF-50-3-1
							SYV-50-3

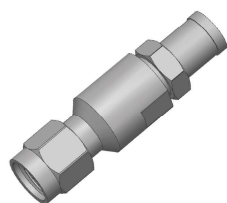
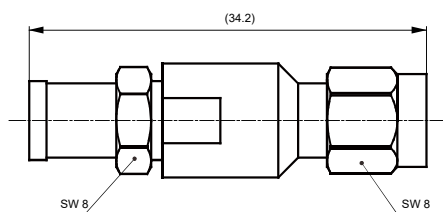
**SMA-JW5AY**

Type	Cable	Notes
SMA-J480BG	CXN3449 or equivalent cable	stainless steel

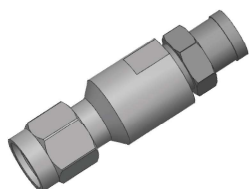
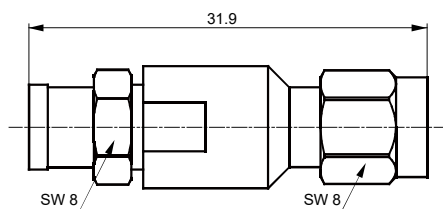
**SMA-J480BG**

**SMA-JW480BG**

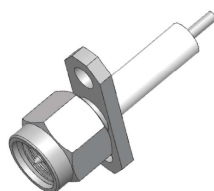
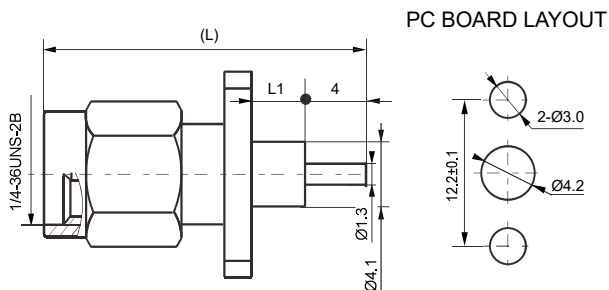
Type	Cable	Notes
SMA-JW480BG	CNX3449 or equivalent cable	stainless steel

**SMA-J141G**

Type	Cable	Notes
SMA-J141G	CLL50141 or equivalent cable	stainless steel

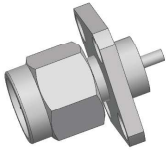
**SMA-J5AG**

Type	Cable	Notes
SMA-J5AG	RG142/U or equivalent cable	stainless steel

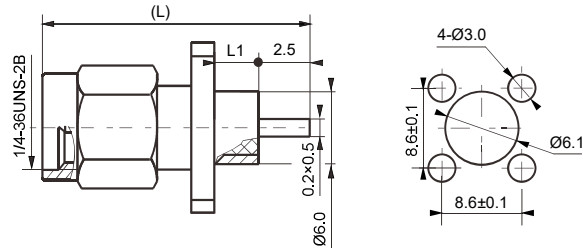
**SMA-JFD-10****PC BOARD LAYOUT**

Type	L	L1
SMA-JFD10	25.4	8.6
SMA-JFD11	18.7	2.0

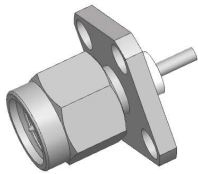
PC BOARD LAYOUT



SMA-JFD-12

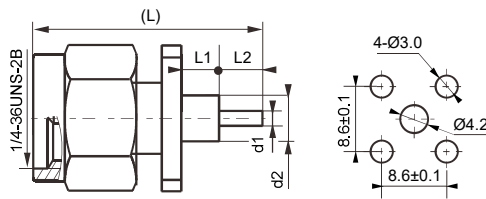


Type	L	L1
SMA-JFD-12	17.8	2.4
SMA-JFD-13	18.6	3.2
SMA-JFD-14	20.2	4.8
SMA-JFD-15	19.7	4.0



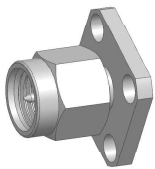
SMA-JFD-16

PC BOARD LAYOUT

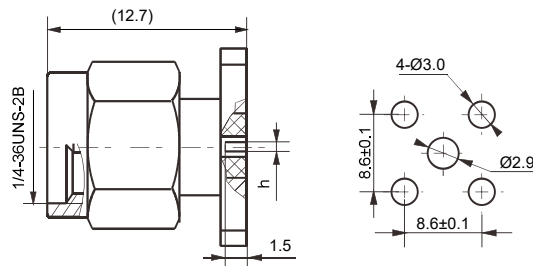


Type	L	L1	L2	d1	d2
SMA-JFD-16	18.7	2.0	4.0	Ø1.3	Ø4.1
SMA-JFD-17	23.1	8.4	2.0	Ø1.3	Ø4.1
SMA-JFD-18	25.1	8.4	4.0	Ø1.3	Ø4.1
SMA-JFD-19	17.3	4.0	0.6	Ø1.4	Ø4.1
SMA-JFD-20	24.9	4.0	8.0	Ø1.3	Ø4.1
SMA-JFD-21	23.9	3.0	8.0	Ø1.3	Ø4.1

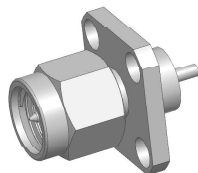
PC BOARD LAYOUT



SMA-JFD-22

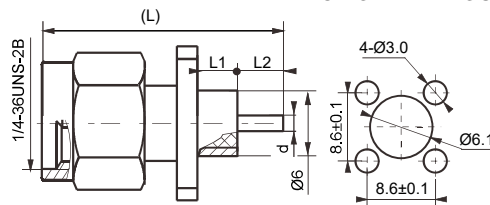


Type	h
SMA-JFD-22	0.2
SMA-JFD-23	0.4



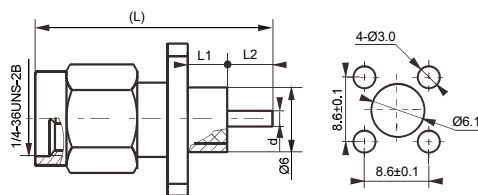
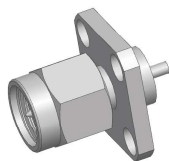
SMA-JFD-24

PC BOARD LAYOUT



Type	L	L1	L2	d
SMA-JFD-24	18.9	3.2	3.0	Ø1.3
SMA-JFD-25	19.2	4.0	2.5	Ø1.3

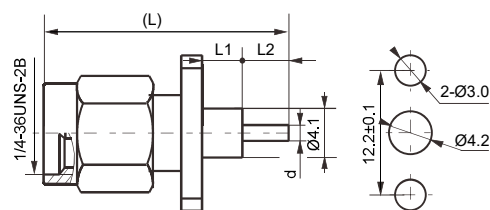
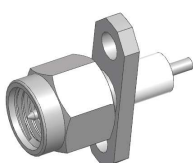
PC BOARD LAYOUT



Type	L	L1	L2	d
SMA-JFD-27	17.6	2.4	2.5	Ø1.0
SMA-JFD-28	17.2	3.0	1.5	Ø0.7
SMA-JFD-29	18.4	1.0	4.5	Ø1.3

SMA-JFD-27

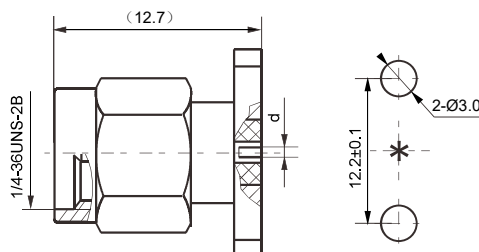
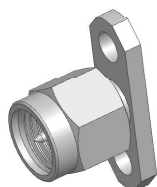
PC BOARD LAYOUT



Type	L	L1	L2	d
SMA-JFD-30	20.7	5.0	3.0	Ø0.8
SMA-JFD-31	20.7	6.0	2.0	Ø1.3
SMA-JFD-32	24.7	4.0	8.0	Ø1.3
SMA-JFD-33	20.5	5.0	2.7	Ø1.3

SMA-JFD-30

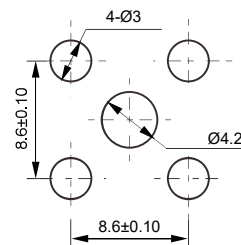
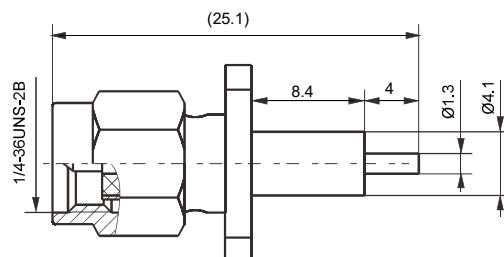
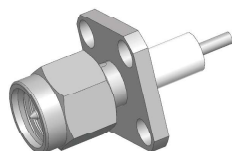
PC BOARD LAYOUT



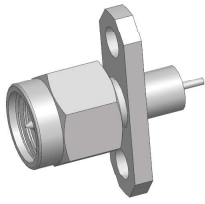
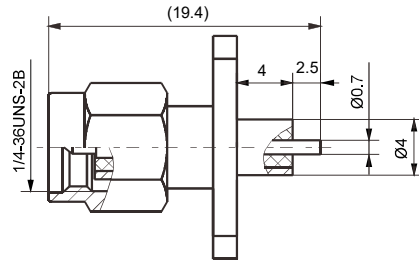
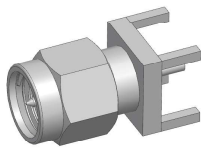
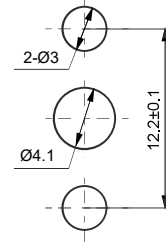
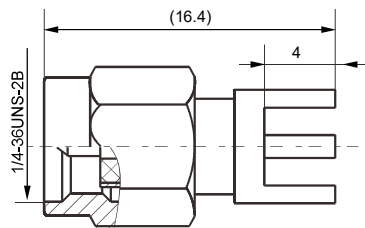
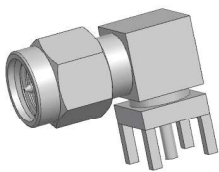
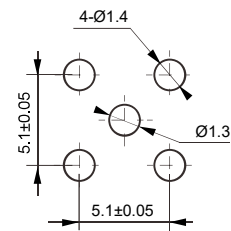
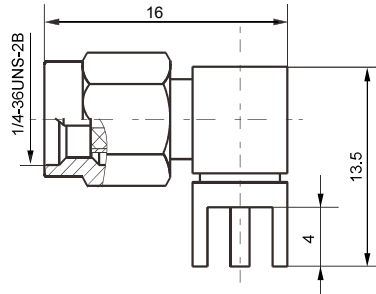
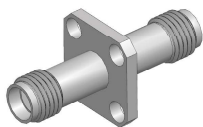
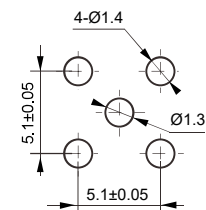
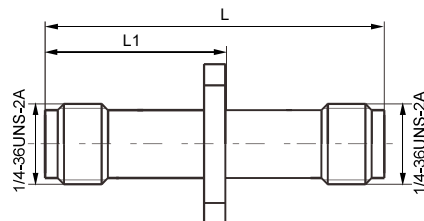
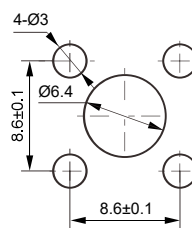
Type	d	Pin
SMA-JFD-34	Ø0.4	—
SMA-JFD-35	Ø0.9	Ø0.9~Ø0.93
SMA-JFD-36	Ø0.9	Ø0.9~Ø0.93
SMA-JFD-37	Ø0.8	Ø0.8~Ø0.83
SMA-JFD-38	Ø0.5	Ø0.48~Ø0.52

SMA-JFD-34

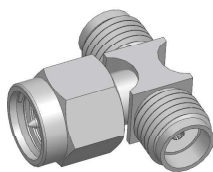
PC BOARD LAYOUT



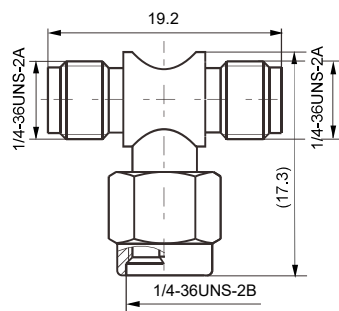
SMA-JFDG-18

**SMA-JFDG-41****PC BOARD LAYOUT****SMA-JHD****PC BOARD LAYOUT****SMA-JWHD****PC BOARD LAYOUT****SMA-KFK****PC BOARD LAYOUT**

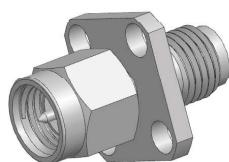
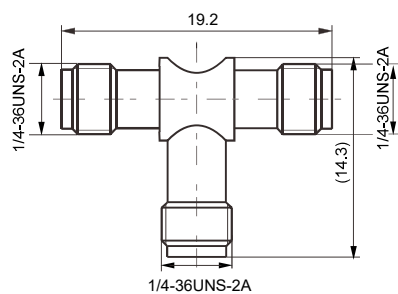
Type	L	L1
SMA-KFK	27.0	14.35
SMA-KFK-1	30.0	20.2
SMA-KFK-2	23.0	10.0
SMA-KFK-3	23.0	14.3



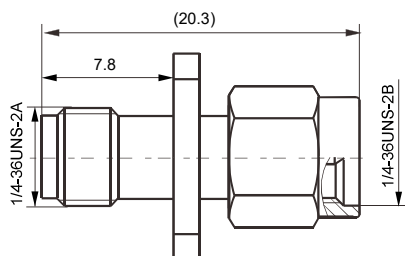
SMA-KJK



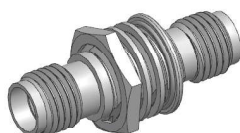
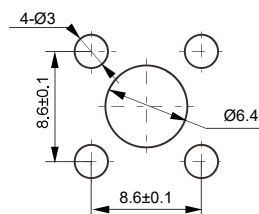
SMA-KKK



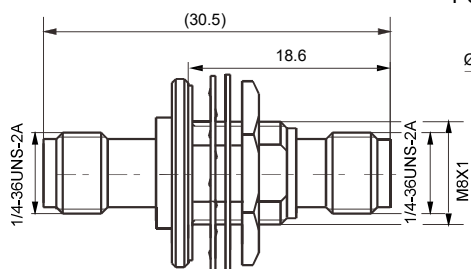
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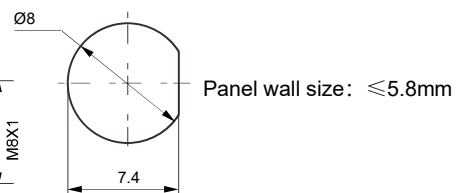
PC BOARD LAYOUT

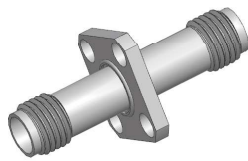
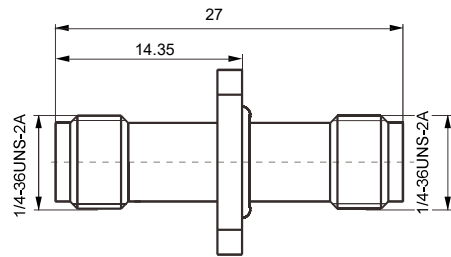


SMA-KYK-1

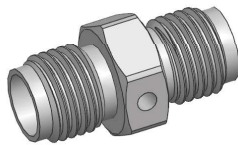
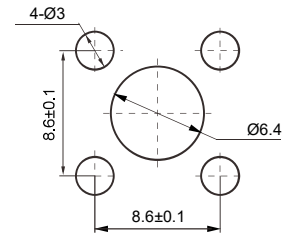
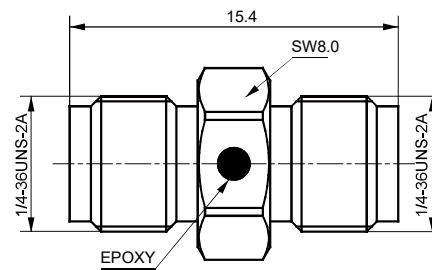


PC BOARD LAYOUT

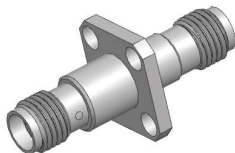
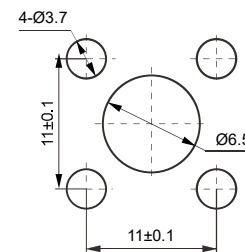
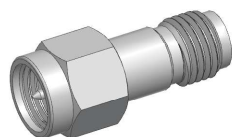
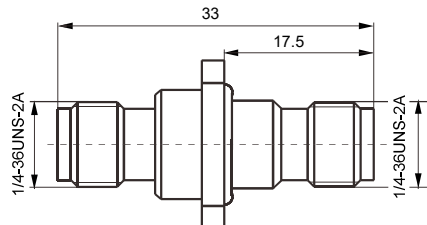
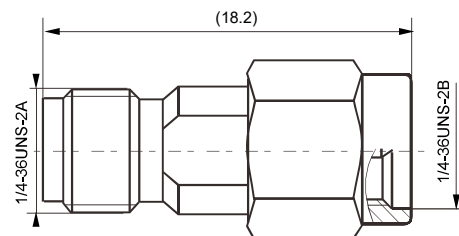


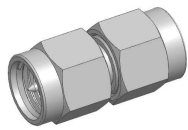
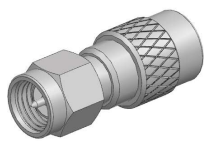
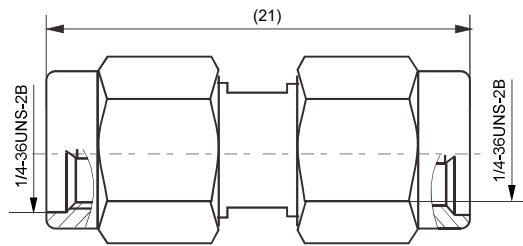
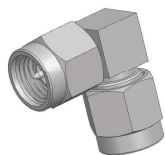
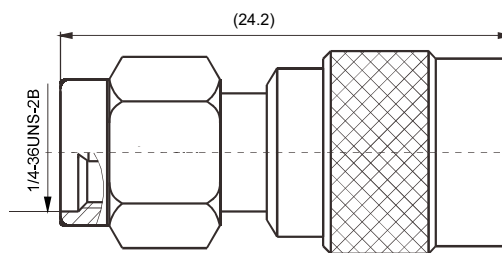
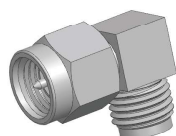
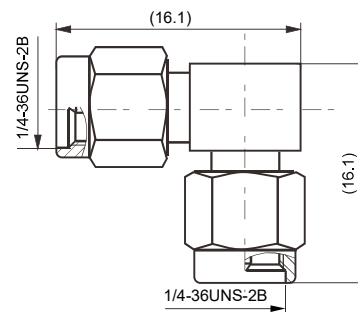
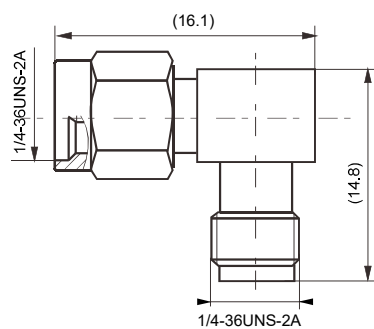
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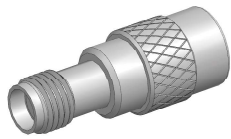
PC BOARD LAYOUT

**SMA-KK**

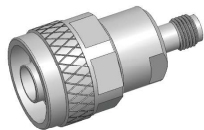
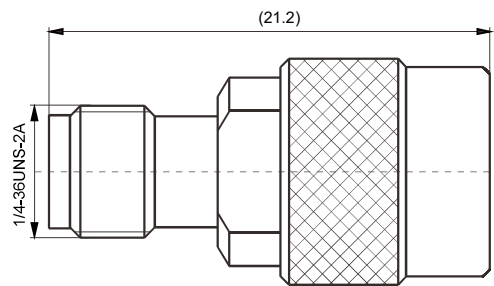
PC BOARD LAYOUT

**SMA-M-KFK-5****SMA-JK**

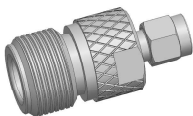
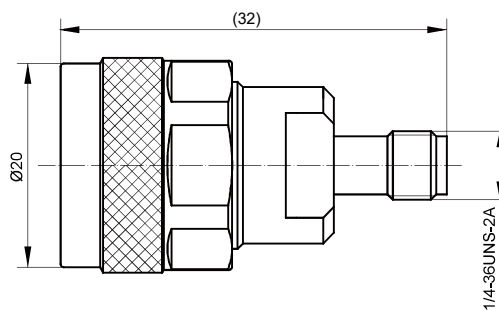
**SMA-JJ****(SO)/SMA-JJG****SMA-JWJ****SMA-JWK**



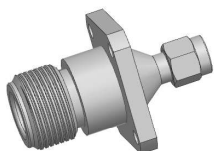
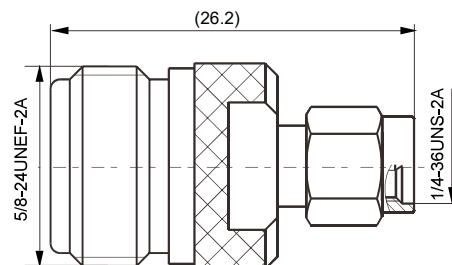
(SO)/SMA-KJ



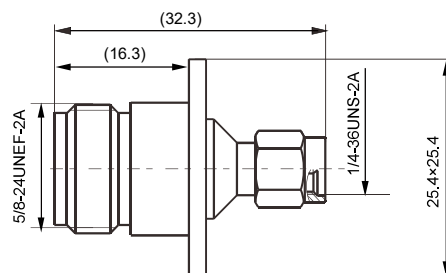
N/SMA-JK



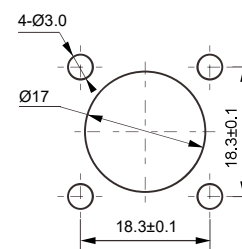
N/SMA-KJ

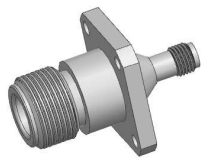
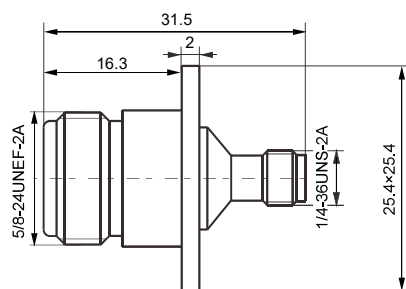
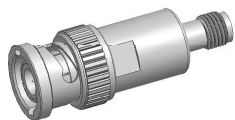
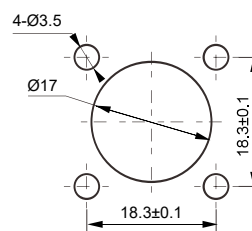
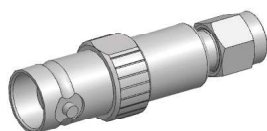
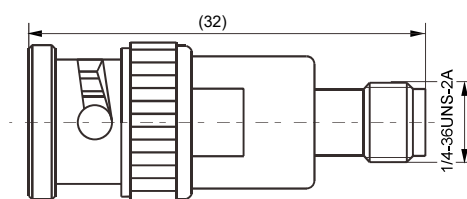
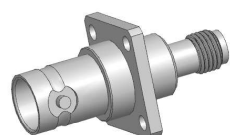
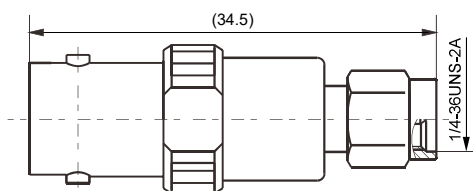
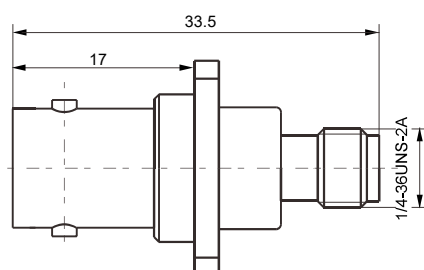
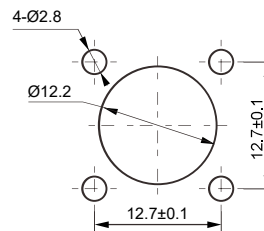


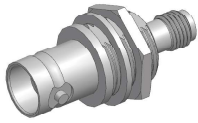
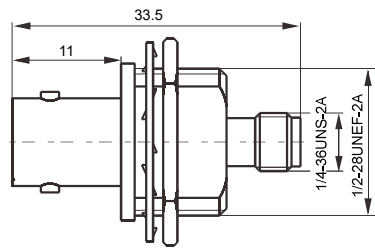
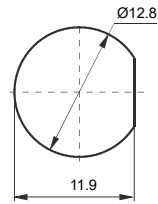
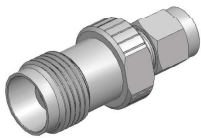
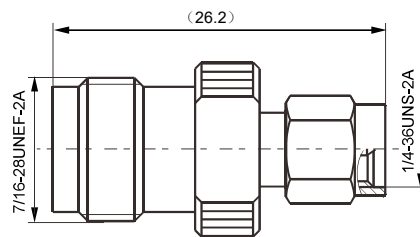
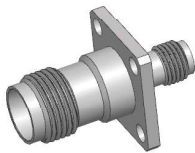
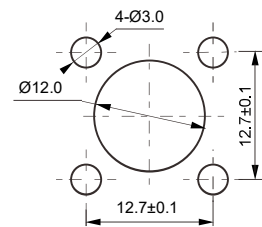
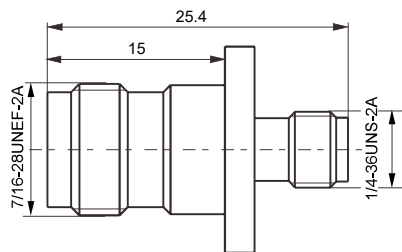
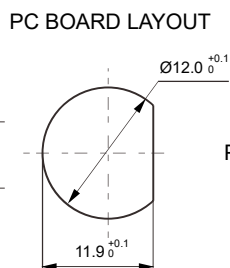
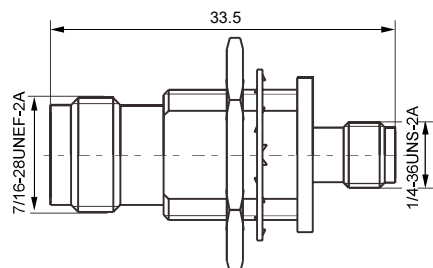
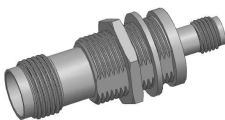
N/SMA-KFJ

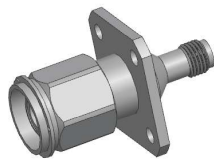
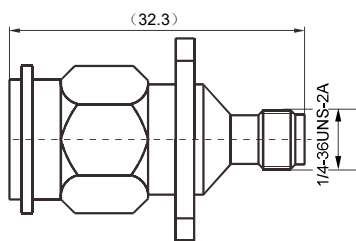
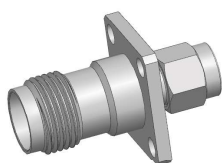
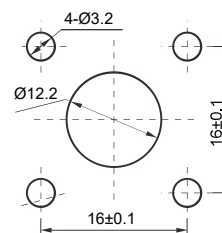
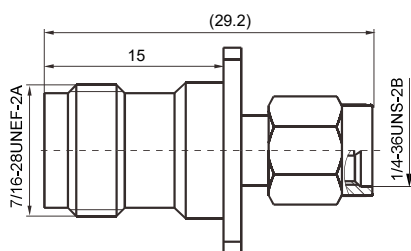
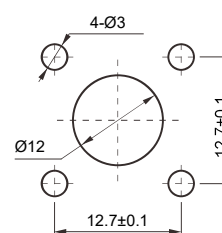


PC BOARD LAYOUT



**N/SMA-KFK****PC BOARD LAYOUT****BNC/SMA-JK****BNC/SMA-KJ****BNC/SMA-KFK****PC BOARD LAYOUT**

**BNC/SMA-KYK****PC BOARD LAYOUT**Panel wall size: $\leq 7.0\text{mm}$ **TNC/SMA-KJ****PC BOARD LAYOUT****TNC/SMA-KFK****PC BOARD LAYOUT**Panel wall size: $\leq 8.4\text{mm}$ **TNC/SMA-KYK**

**TNC/SMA-JFK****PC BOARD LAYOUT****TNC/SMA-KFJ****PC BOARD LAYOUT**

SSMA series

RF Coaxial Connector

FEATURES

- Small size and wide frequency band
- Excellent mechanical and electrical performance, high reliability
- Suitable for fields such as microwave communication and microwave testing equipment

TECHNICAL PARAMETER

Temperature: -55~+155°C

Impedance: 50Ω

Frequency: DC~30GHz

VSWR: $\leq 1.07 + 0.1F$

Insulation resistance: $\geq 1000M\Omega$

Dielectric strength: 750V(rms)

Operating Voltage: 250V (rms)

Contact resistance: Center contact: $\leq 6m\Omega$
Outer contact: $\leq 2.5m\Omega$

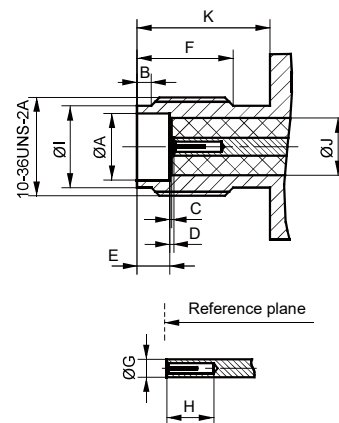
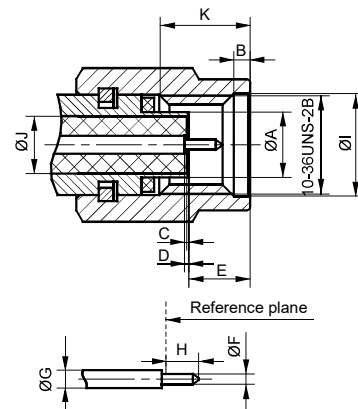
Mechanical endurance: 500 ops

IMPLEMENTATION CRITERIA

IEC IEC 61169-18 GB/T 11313.18



INTERFACE DIMENSIONS

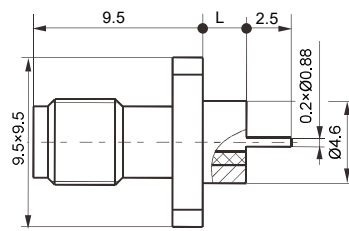
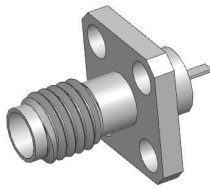


Male connector

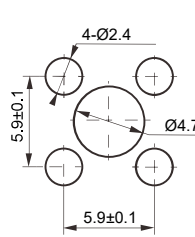
	Min(mm)	Max(mm)
A	3.15	3.22
B	0.38	1.14
C	0.00	0.18
D	0.00	0.25
E	/	3.43
F	0.495	0.528
G	/	/
H	/	1.65
I	4.98	/
J	Ø2.79 Nominal value	
K	2.54	/

Female connector

	Min(mm)	Max(mm)
A	3.231	3.300
B	0.38	1.14
C	0.00	0.18
D	0.00	0.25
E	1.88	1.98
F	4.32	/
G	/	/
H	2.92	/
I	3.89	4.06
J	Ø2.79 Nominal value	
K	5.84	/

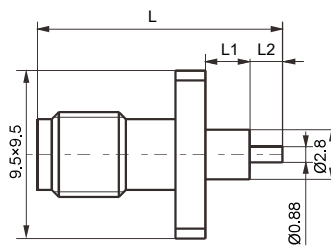
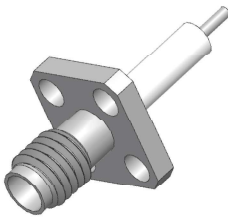


PC BOARD LAYOUT

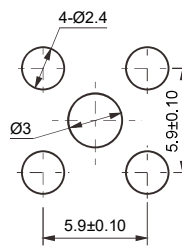


Type	L
SSMA-KFD-6	2.4
SSMA-KFD-7	3.2
SSMA-KFD-8	4.8

SSMA-KFD-6

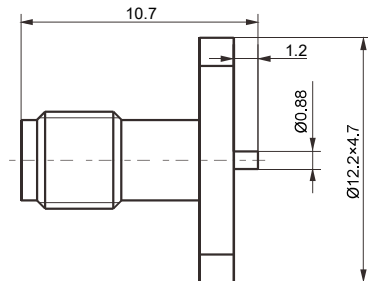
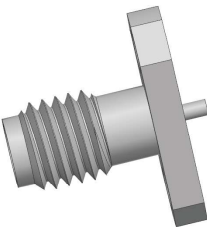


PC BOARD LAYOUT

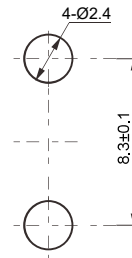


Type	L	L1	L2
SSMA-KFD-10	22.2	9.5	3.2
SSMA-KFD-11	14.0	2.5	2.0

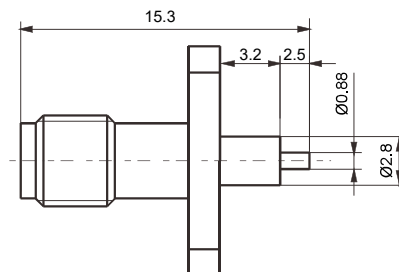
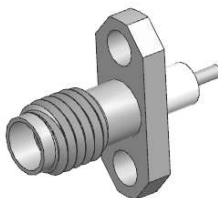
SSMA-KFD-10



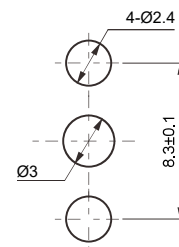
PC BOARD LAYOUT



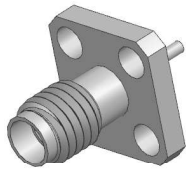
SSMA-KFD-12



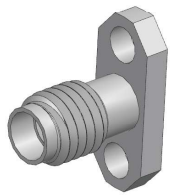
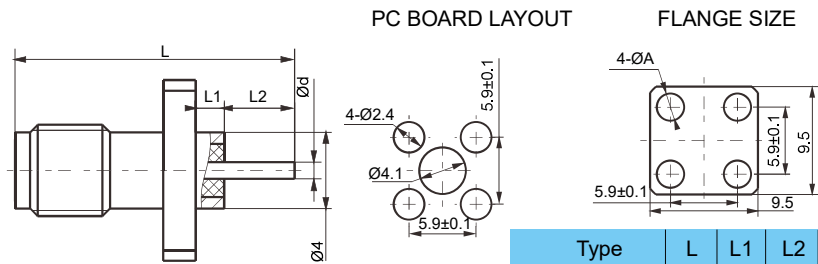
PC BOARD LAYOUT



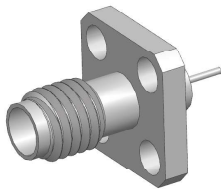
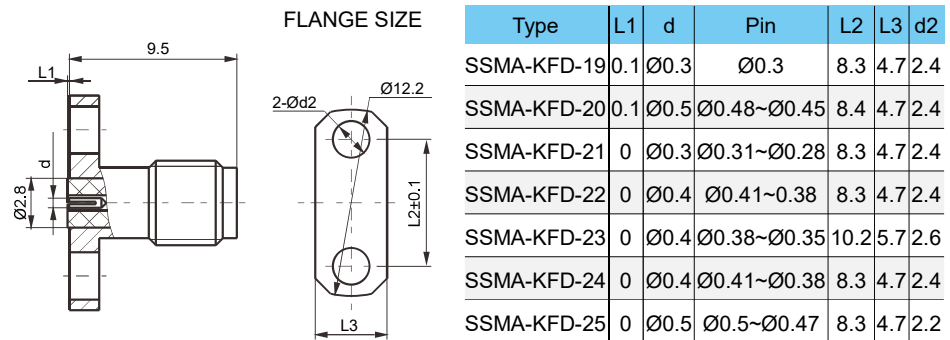
SSMA-KFDG-15



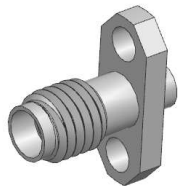
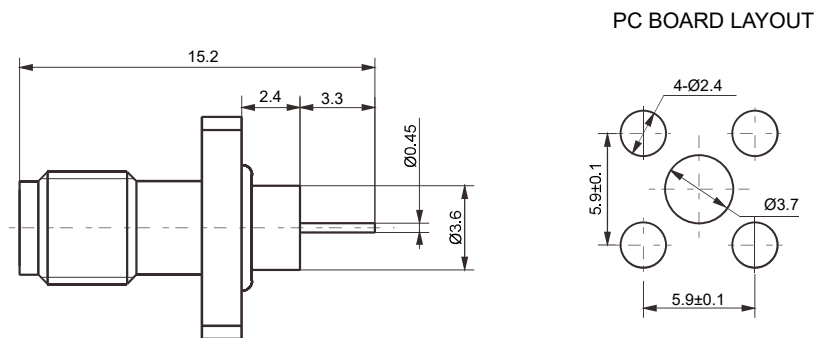
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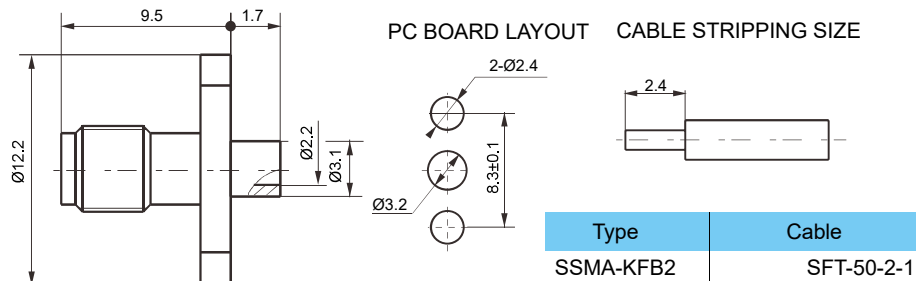
SSMA-KFD-19

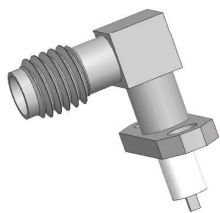


SSMA-M-KFD-27

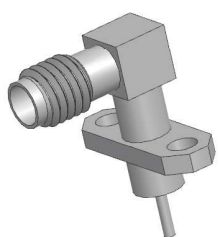
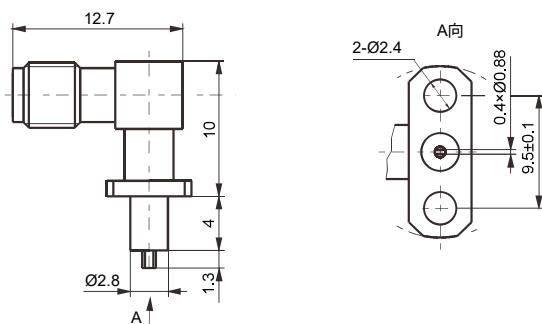


SSMA-KFB2

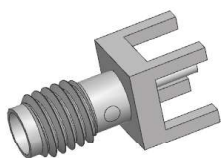
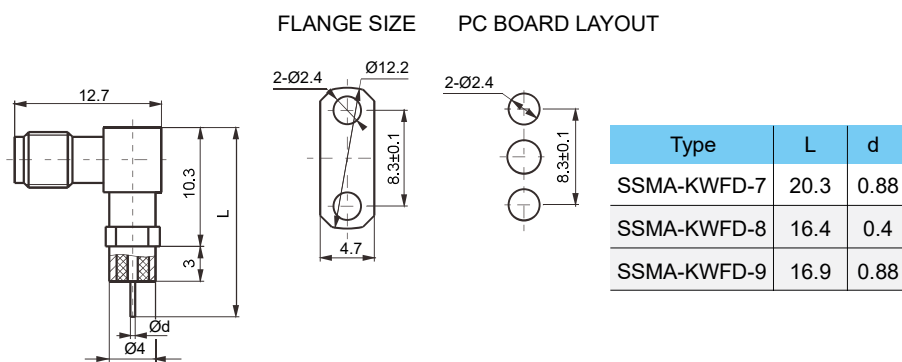




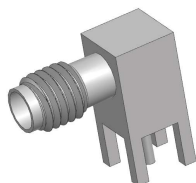
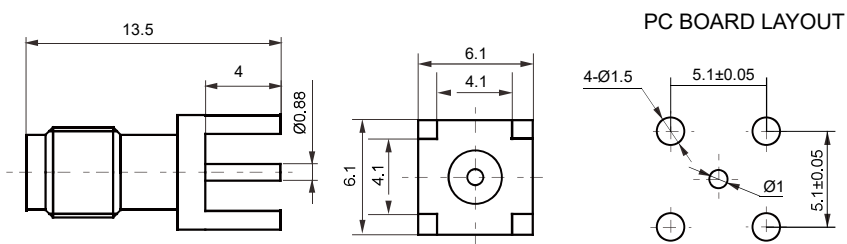
SSMA-KWFD5



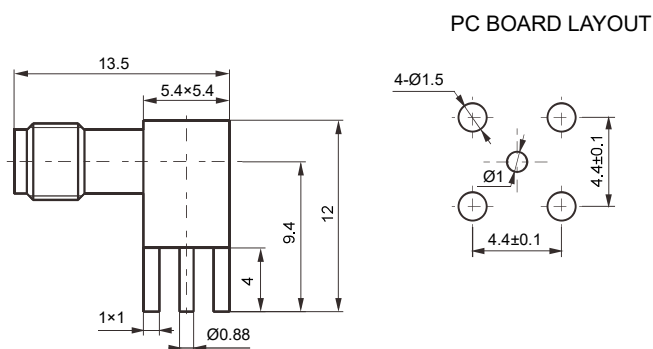
SSMA-KWFD7

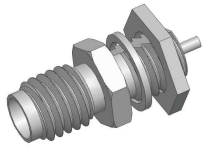


SSMA-KHD

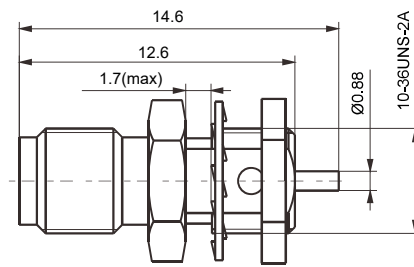


SSMA-KWHD

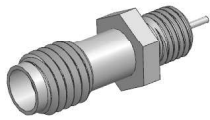
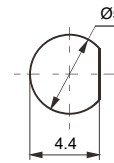




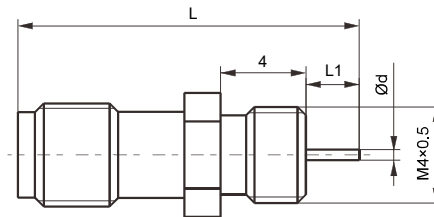
SSMA-KYD



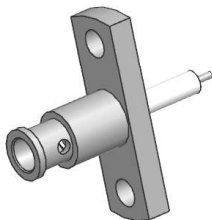
PC BOARD LAYOUT



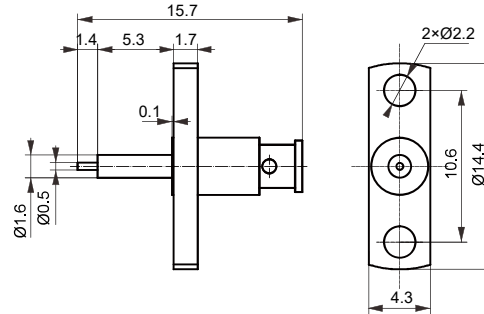
SSMA-KYD1



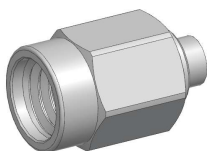
Type	L	L1	d
SSMA-KYD-1	16.0	2.5	0.5
SSMA-KYD-2	16.5	3.0	0.7



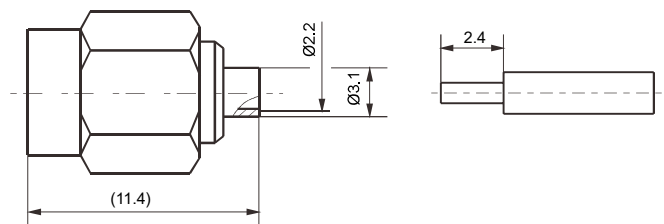
SSMA-J506

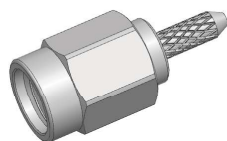
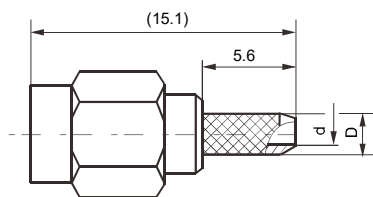


CABLE STRIPPING SIZE



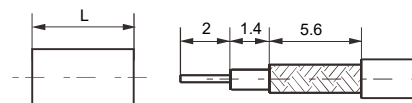
SSMA-JB2



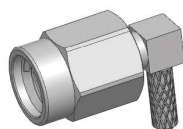
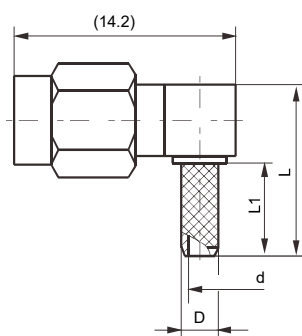
**SSMA-J2**

CLAMP

CABLE STRIPPING SIZE

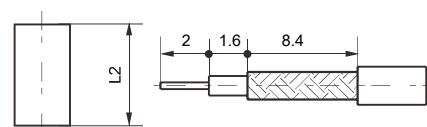


Type	d	D	Cable	L
SSMA-J2	Ø1.0	Ø2.0	SFF-50-1	6.0
			SYV-50-1	
SSMA-J3	Ø1.6	Ø2.6	SFF-50-1.5-1	6.5
			SYV-50-2-1	

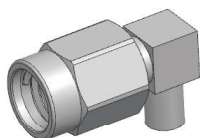
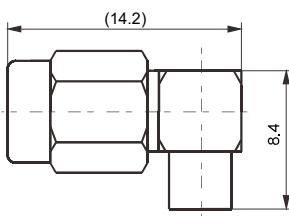
**SSMA-JW2**

CLAMP

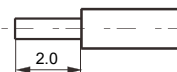
CABLE STRIPPING SIZE



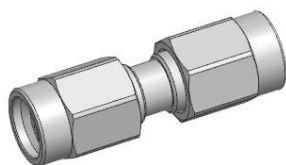
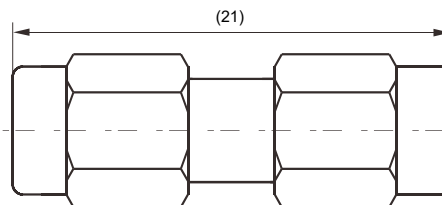
Type	d	D	Cable	L	L1	L2
SSMA-JW2	Ø1.0	Ø2.0	SFF-50-1	11.4	5.6	6.0
			SYV-50-1			
SSMA-JW3	Ø1.6	Ø2.6	SFF-50-1.5-1	12.0	6.5	6.5
			SYV-50-2-1			

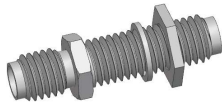
**SSMA-JWB2**

CABLE STRIPPING SIZE

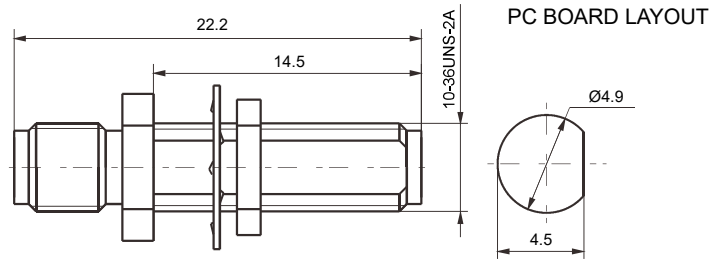
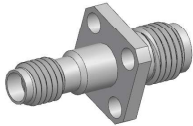


Type	Cable
SSMA-JWB2	SFT-50-2-1

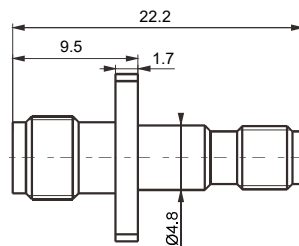
**SSMA-JJ**



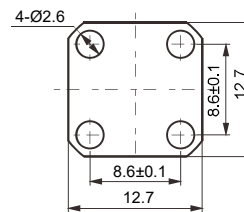
SSMA-KYK


Notes: Panel wall size $\leq 5\text{mm}$


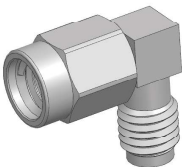
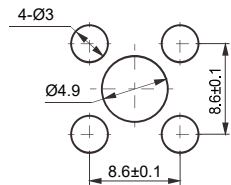
SMA/SSMA-KFK



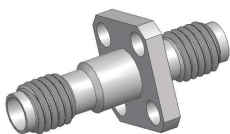
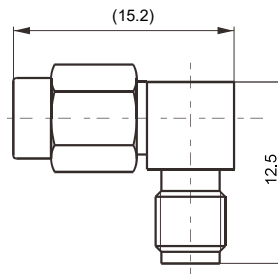
FLANGE SIZE



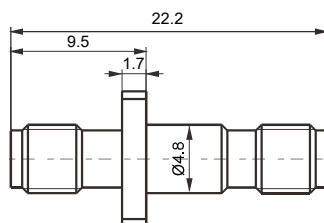
PC BOARD LAYOUT



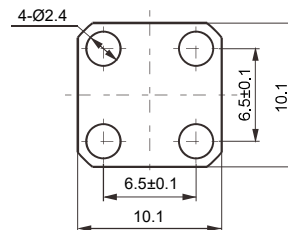
SSMA-JWK



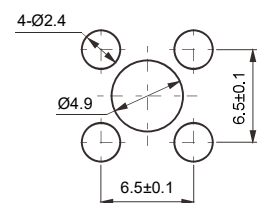
SSMA-KFK

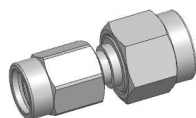
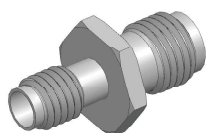
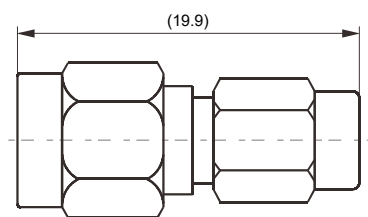
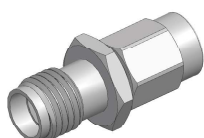
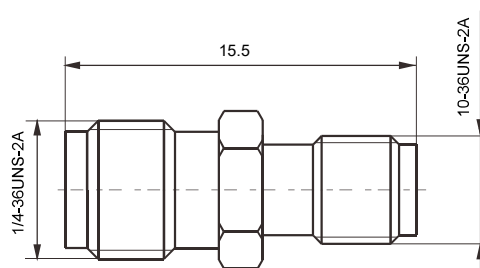
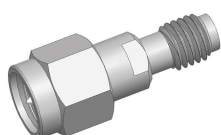
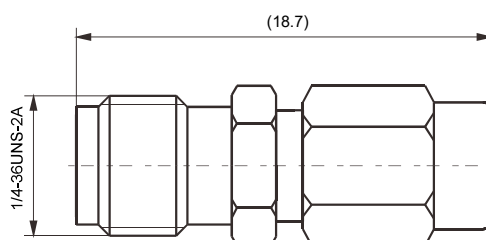
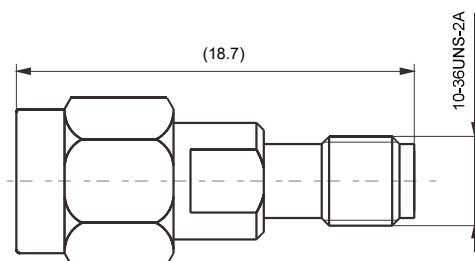


FLANGE SIZE



PC BOARD LAYOUT



**SMA/SSMA-JJ****SMA/SSMA-KK****SMA/SSMA-KJ****SMA/SSMA-JK**

SMP series

RF Coaxial Connector

FEATURES

- High usage frequency, fast connection
- There is a certain tolerance in axial and radial directions
- Suitable for blind insertion environments, high-density insertion of printed boards, chassis, and cabinets

TECHNICAL PARAMETER

Temperature: - 55~+155°C

Impedance: 50Ω

Frequency: 0~12. 4GHz Flexible cable

DC-40GHz semi rigid and semi flexible cable

VSWR: $\leq 1.15+0.02F$ Flexible cable

$\leq 1.1+0.02F$ semi rigid and semi flexible cable

Insulation resistance: $\geq 5000M\Omega$

Dielectric strength: 500V(rms)

Operating Voltage: 335V (rms)

Contact resistance: Center content: $\leq 6m\Omega$

Outer contact: $\leq 2.5m\Omega$

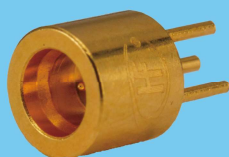
Mechanical endurance: Full detent 100 ops

Limiter detent 500 ops

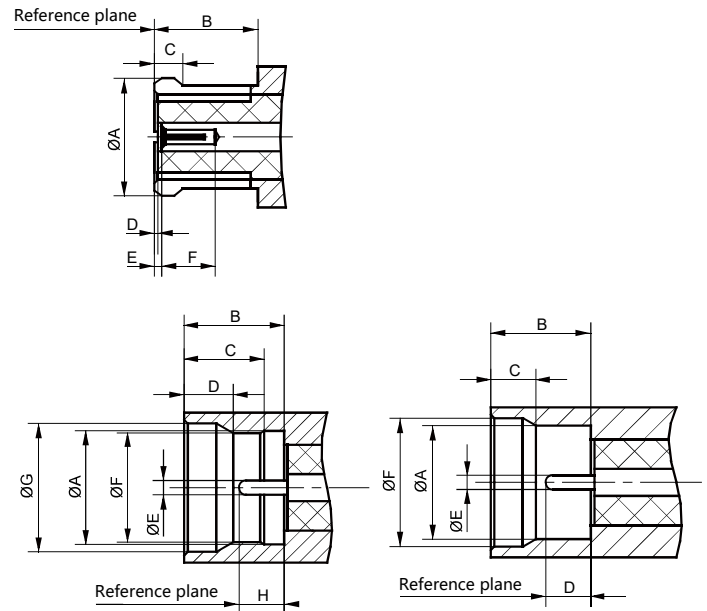
smooth bore 1000 ops

IMPLEMENTATION CRITERIA

IEC 61169-44 GB/T 11313. 1



INTERFACE DIMENSIONS



Full detent or Limiter detent

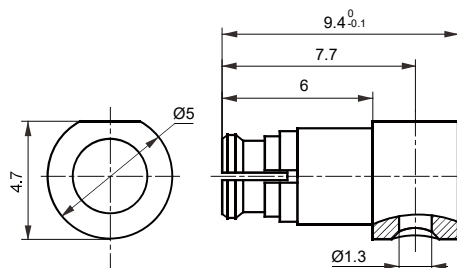
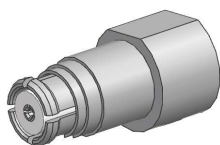
Smooth bore

Male connector (Full detent or Limiter detent)

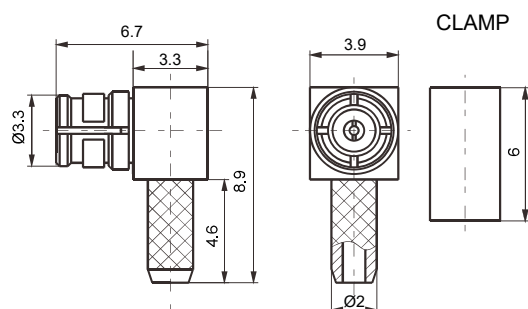
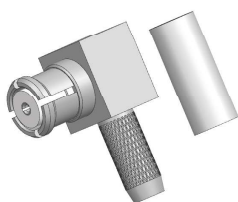
	Min(mm)	Max(mm)	Notes
A	3.16	3.23	
B	2.74	2.84	
C	2.19	2.29	
D	1.39	1.45	
E	0.35	0.41	
F	2.9	3.0	Full detent
	3.0	3.1	Limiter detent
G	3.53	3.639	
H	1.14	1.40	

Male connector(Smooth bore) Female connector

	Min(mm)	Max(mm)		Min(mm)	Max(mm)
A	3.13	3.23	A	/	3.43
B	2.74	2.84	B	2.84	/
C	1.39	1.45	C	0.46	0.64
D	1.14	1.40	D	0.00	/
E	0.35	0.41	E	0.00	0.20
F	3.53	3.69	F	1.78	/

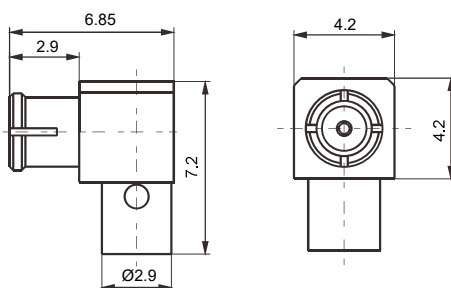
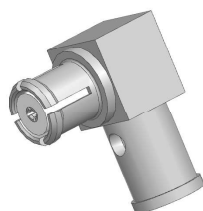


Type	Cable
SMP-KWB1	SFT-50-1 or equivalent specifications

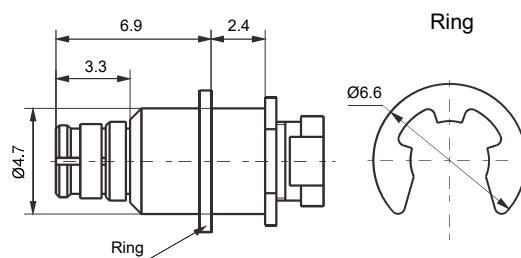
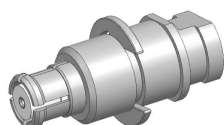
SMP-KWB1

CLAMP

Type	Cable
SMP-KW2	SFF-50-1

SMP-KW2

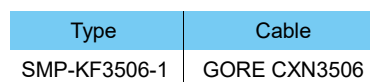
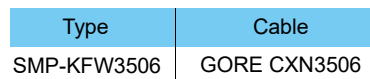
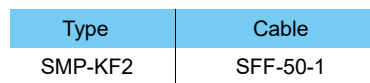
Type	Cable
SMP-KW3506	GORE CXN3506

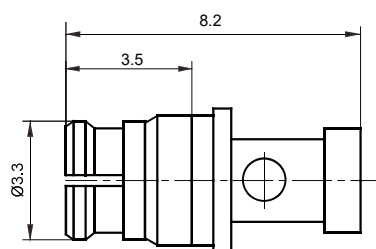
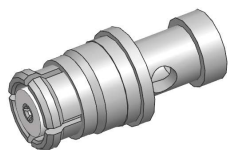
SMP-KW3506

Ring

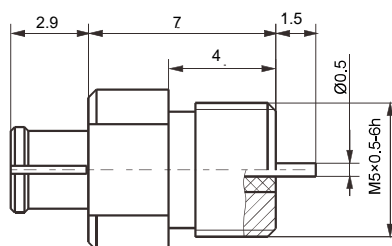
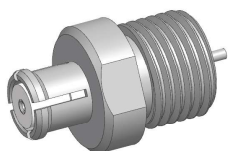
Type	Cable
SMP-KW3506-1	GORE CXN3506

SMP-K3506-1

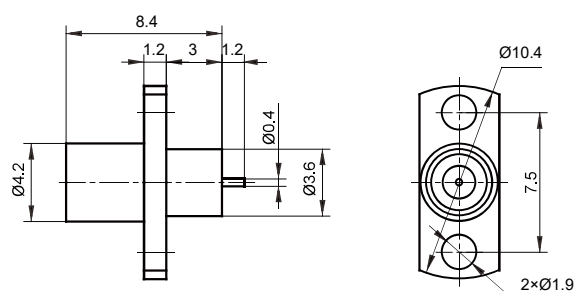
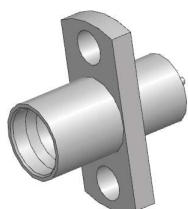




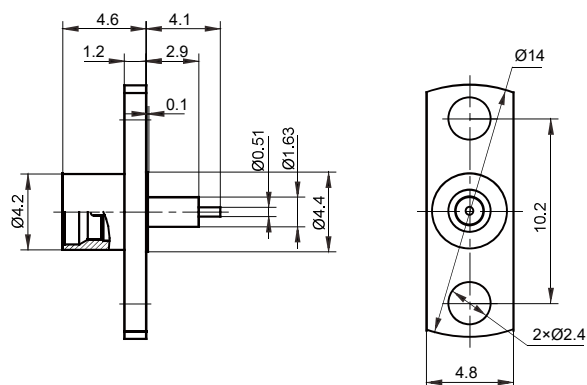
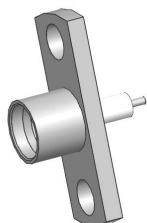
SMP-KB1



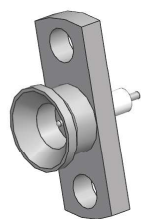
SMP-KYD



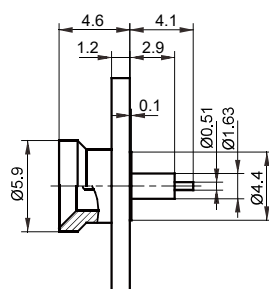
SMP-JFD



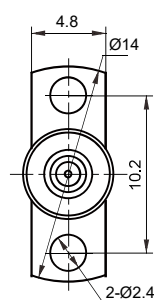
SMP-JFD- 1



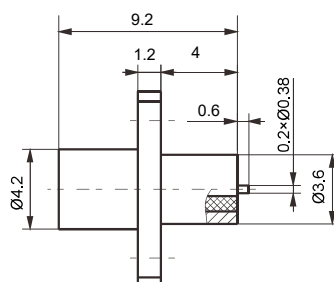
SMP-JFD-2



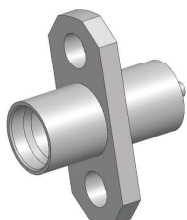
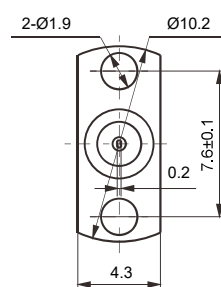
FLANGE SIZE



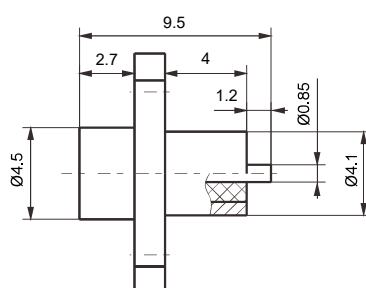
SMP-JFDL-4



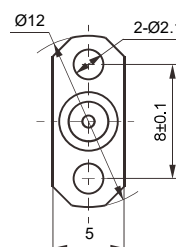
FLANGE SIZE



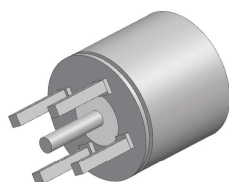
SMP-JFDGL-5



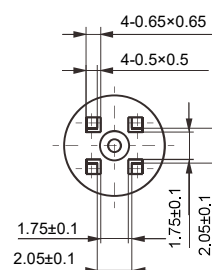
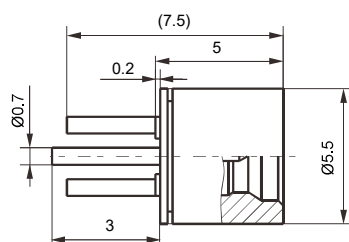
FLANGE SIZE



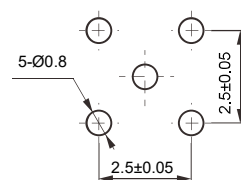
Notes: Product shell material is stainless steel



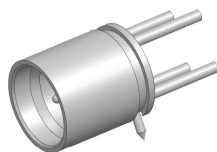
SMP-JHDGL-5



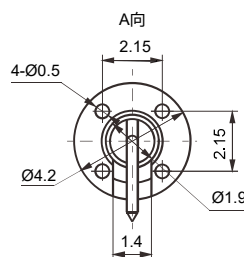
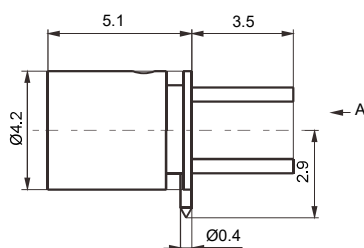
PC BOARD LAYOUT



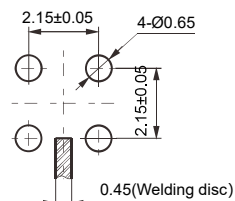
Notes: Pin material Plating: Copper gold-plated
Shell material Plating: Stainless steel passivation



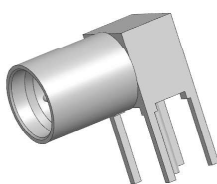
SMP-JHDL-6



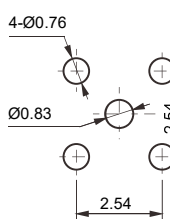
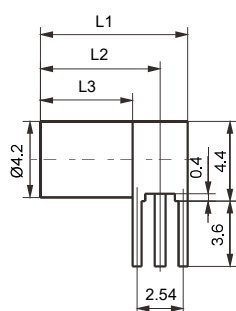
PC BOARD LAYOUT



PC BOARD LAYOUT

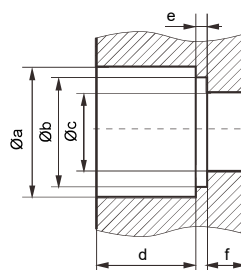
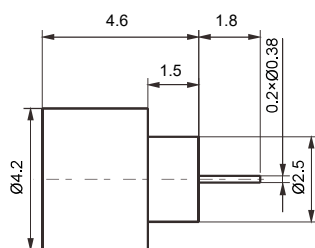


SMP-JWHDGL



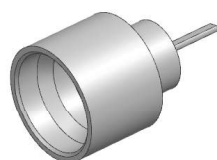
Type	L1	L2	L3	Pin material Plating	Shell material Plating
SMP-JWHDGL	8.16	6.5	1	Copper	Stainless
SMP-JWHDGL18	7.7	25.7		gold-plated	steel passivation

PC BOARD LAYOUT

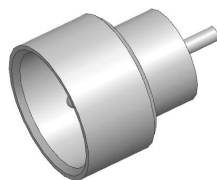


a	4.25-4.3
b	3.45-3.55
c	2.6-2.65
d	3.15-3.2
e	0.28-0.38
f	1.55-1.6

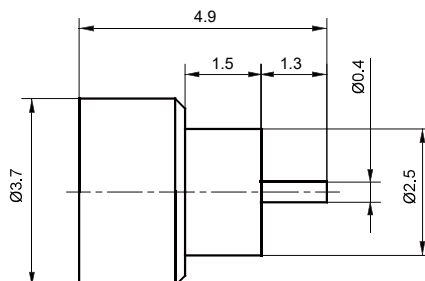
Notes:
Leakage rate $\leq 1.013 \times 10^{-3} \text{ Pa} \cdot \text{cm}^3/\text{S}$

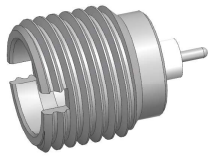
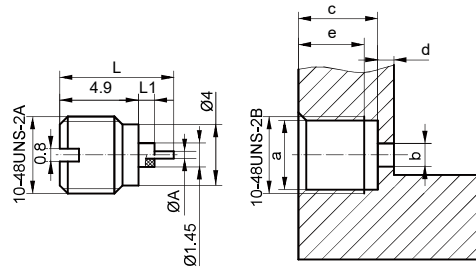


SMP-M-JHDL-3

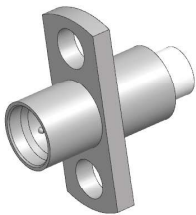
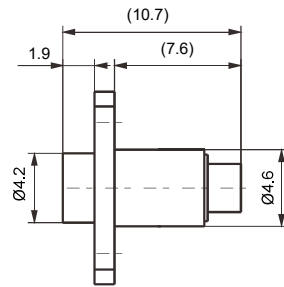
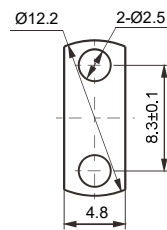


SMP-M-JHD



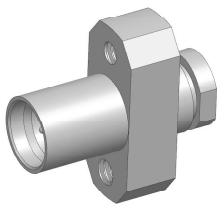
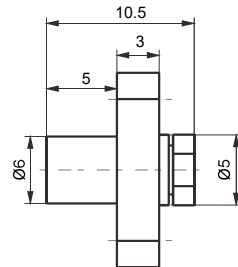
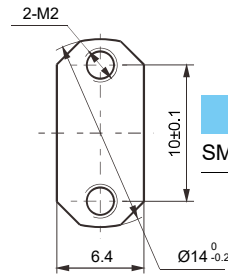
**SMP-JYDL-3**

Type	L	L1	A	Shell material Plating
SMP-JYDL-3	7.1	1.0	0.45	Copper gold-plated
SMP-JYDL-4	10.9	1.0	0.45	
SMP-JYDGL-5	7.1	1.0	0.45	Stainless steel passivation
a	4.3~4.35			
b	1.45~4.5			
c	4.95~5.05			
d	1.0~1.05			
e	4.1~4.2			

**SMP-JF2GL****FLANGE SIZE**

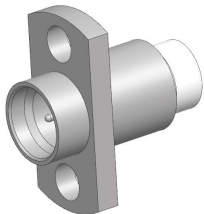
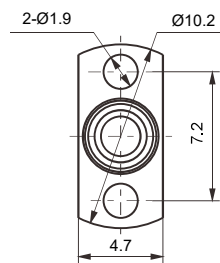
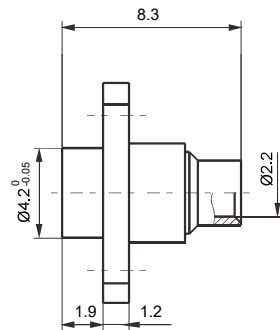
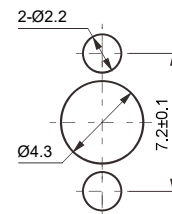
Type	Cable
SMP-JF2GL	SFF-50-1

Notes: Product shell material is stainless steel

**SMP-JF3506GL****FLANGE SIZE**

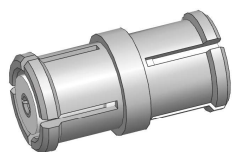
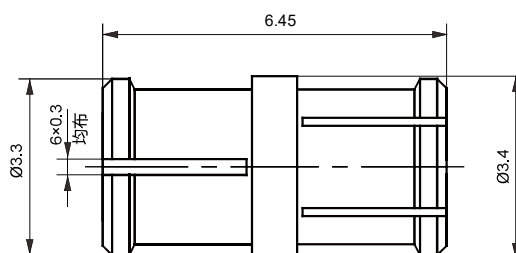
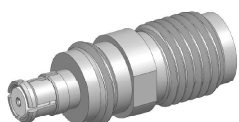
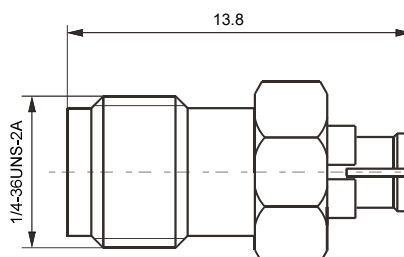
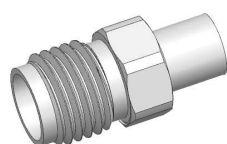
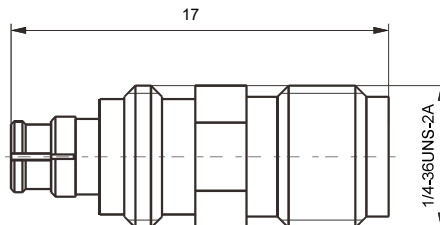
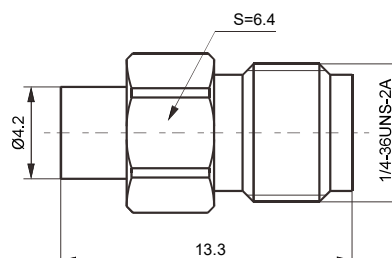
Type	Cable
SMP-JF3506GL	GORE CXN3506

Notes: Product shell material is stainless steel

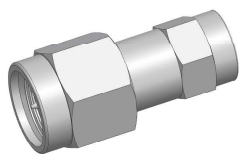
**SMP-JFB2GL****PC BOARD LAYOUT**

Type	Cable
SMP-JFB2GL	SFT-50-2-1

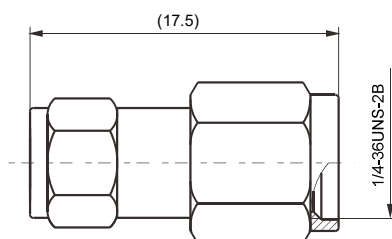
Notes: Product shell material is stainless steel

**SMP-KK****SMA/SMP-KK****SMA/SMP-KYK****SMA/SMP-KJGL**

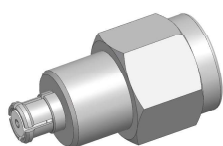
Notes: Product shell material is stainless steel



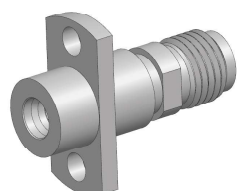
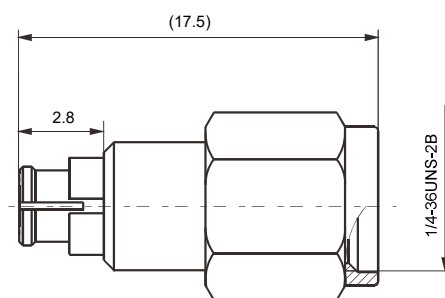
SMA/SMP-JJGL



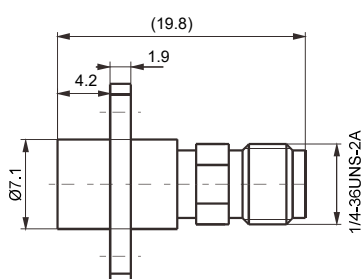
Notes: Product shell material is stainless steel



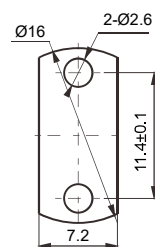
SMA/SMP-JK



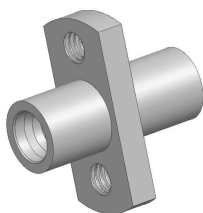
SMA/SMP-KFJGL



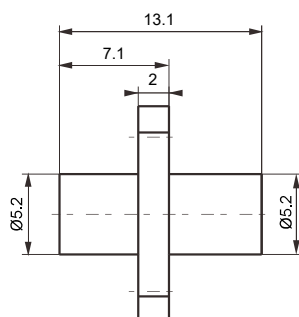
Flange size



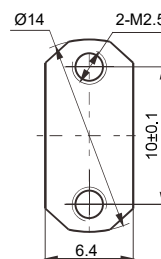
Notes: Product shell material is stainless steel



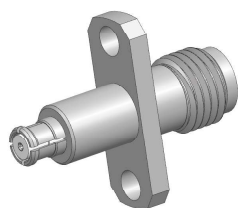
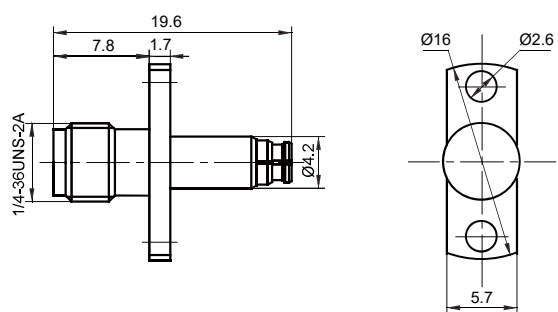
SMP-JFJL



Flange size



Notes: Product shell material is stainless steel

**SMA/SMP-KFK**

SSMP series

RF Coaxial Connector

FEATURES

- Subminiature push-in RF connector
- Small size, light weight, high working frequency
- Suitable for paired connections between boards,
The plug connector has two interface forms: full detent and smooth bore ,Suitable for occasions with modular and dense installation

TECHNICAL PARAMETER

Temperature: - 65~+165°C

Impedance: 50Ω

Frequency: Right angle DC~18GHz; Straight DC~40GHz

VSWR: ≤1.15

Insulation resistance: ≥5000MΩ

Dielectric strength: 500V(rms)

Operating Voltage: 335V (rms)

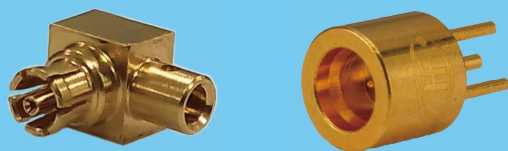
Contact resistance: Center content: ≤6mΩ

Outer contact: ≤2.5mΩ

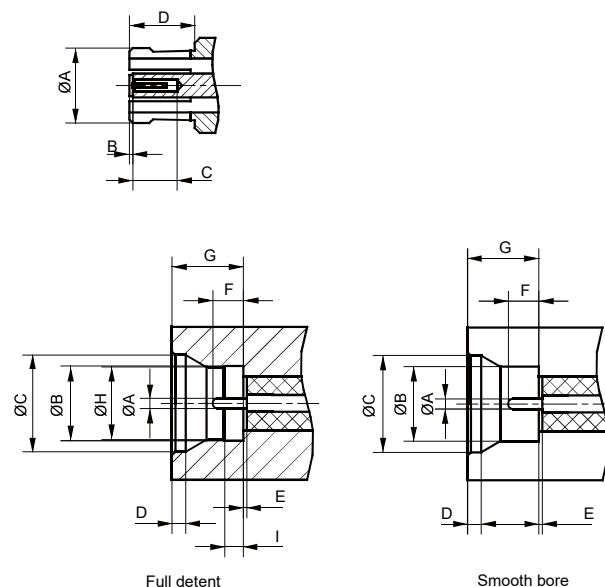
Mechanical endurance: 500 OPS

IMPLEMENTATION CRITERIA

IEC 61169-1 GB/T 11313. 1



INTERFACE DIMENSIONS

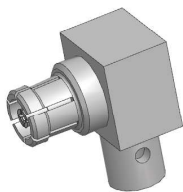
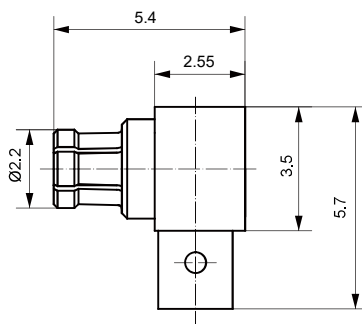


Male connector (Full detent)

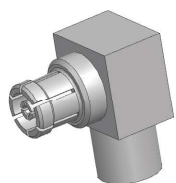
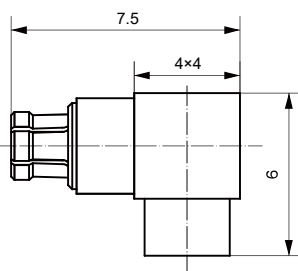
	Min(mm)	Max(mm)	Notes
A	0.28	0.33	
B	2.18	2.24	
C	2.82	2.92	
D	0.25	0.56	
E	0	0.12	
F	0.76	1.14	
G	2.08	2.13	
H	2.11	2.16	Full detent
I	0.53	0.58	

Male connector(Smooth bore) Female connector

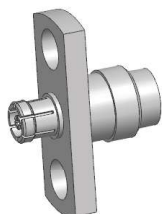
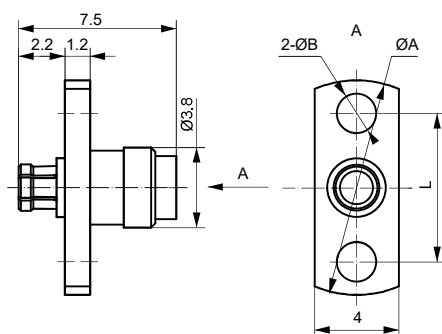
	Min(mm)	Max(mm)		Min(mm)	Max(mm)
A	0.28	0.33	A	/	2.41
B	2.18	2.24	B	0.00	0.20
C	2.82	2.92	C	1.27	/
D	0.25	0.56	D	1.73	/
E	0	0.12			
F	0.76	1.14			
G	2.08	2.13			

**SSMP-KWB1**

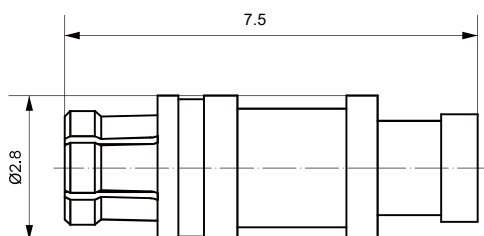
Type	Cable
SSMP-KWB1	1#Semi rigid or 1#semi flexible

**SSMP-KWB2**

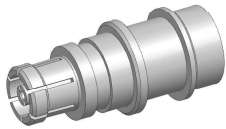
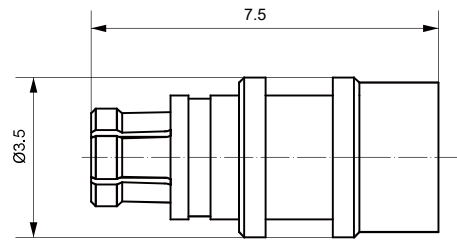
Type	Cable
SSMP-KWB2	2#Semi rigid or 2#semi flexible

**SSMP-KFB2**

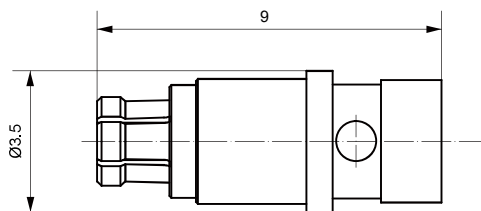
Type	L	A	B	Cable
SSMP-KFB2	7.16	10.2	1.9	2#Semi rigid, semi flexible
SSMP-KFB2-1	7.8	10.8	2.2	

**SSMP-KB1-1**

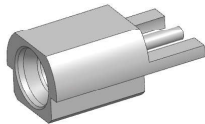
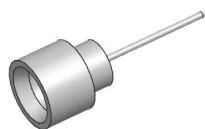
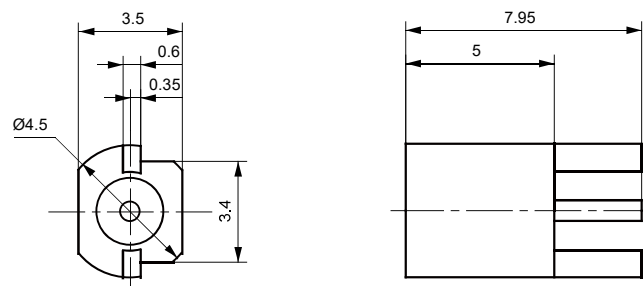
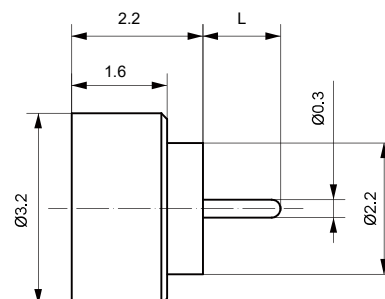
Type	Cable
SSMP-KB1-1	1#Semi rigid or 1#semi flexible

**SSMP-KB2**

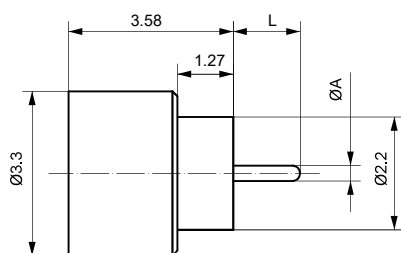
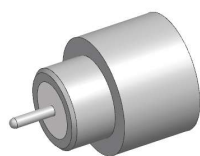
Type	Cable
SSMP-KB2	2#Semi rigid or 2#semi flexible

**SSMP-K3506**

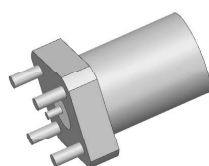
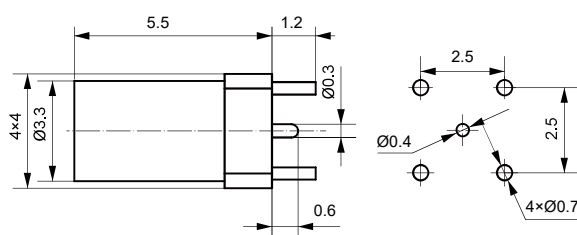
Type	Cable
SSMP-K3506	CXN3506

**SSMP-JHD****SSMP-M-JHDF-1**

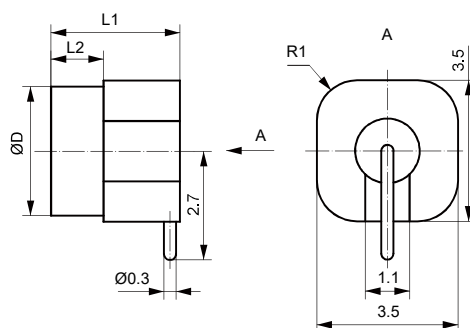
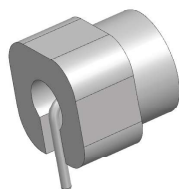
Type	L	Notes
SSMP-M-JHDF-1	1.3	Airtight seal, Interface depth1.4
SSMP-M-JHDS-1	1.3	
SSMP-M-JHDF-2	0.8	
SSMP-M-JHDF-3	1.0	
SSMP-M-JHDS-4	3.0	
SSMP-M-JHDS-5	1.3	

**SSMP-M-JHDF-6**

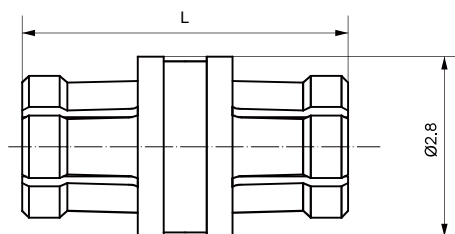
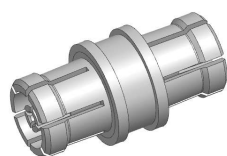
Type	L	A	Notes
SSMP-M-JHDF-6	1.27	0.3	Airtight seal, Interface depth 2.11
SSMP-M-JHDS-6	1.27	0.3	
SSMP-M-JHDF-7	0.8	0.3	
SSMP-M-JHDF-8	3.5	0.3	
SSMP-M-JHDS-9	1.8	0.3	
SSMP-M-JHDF-10	0.8	0.2	

**PC BOARD LAYOUT****SSMP-M-JHDS-11**

Type	Notes
SSMP-M-JHDS-11	Smooth bore

**SSMP(M)-JWHDF**

Type	L1	L2	D	Notes
SSMP-M-JWHDF	3.2	1.3	3.2	Airtight seal, Interface depth 1.4
SSMP-M-JWHDS	3.2	1.3	3.2	
SSMP-M-JWHDS-1	3.9	2.0	3.3	Airtight seal, Interface depth 2.11

**SSMP-KK**

Type	L
SSMP-KK	5.4
SSMP-KK1	6.3

2.92 series

RF Coaxial Connector

FEATURES

- Can be interchangeable with SMA series products, using air dielectric
- Small size, light weight, and operating frequency up to 40GHz
- Excellent electrical performance and high connection reliability
- Suitable for testing and measurement fields, aerospace equipment, etc

TECHNICAL PARAMETER

Temperature: - 55~+155°C

Impedance: 50Ω

Frequency: DC~40GHz

VSWR: $\leq 1.1+0.01F$

Insulation resistance: $\geq 5000M\Omega$

Dielectric strength: 750V(rms)

Operating Voltage: 335V (rms)

Contact resistance: Center content: $\leq 3m\Omega$

Outer contact: $\leq 2m\Omega$

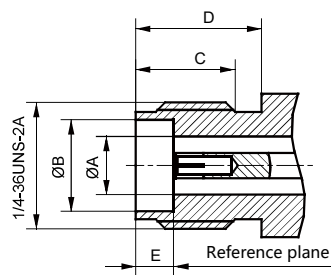
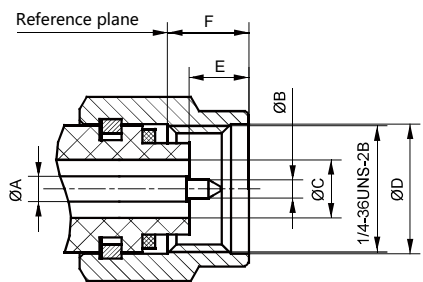
Mechanical endurance: 500 ops

IMPLEMENTATION CRITERIA

IEC 61169-35 GB/T 11313.35



INTERFACE DIMENSIONS

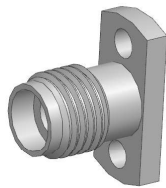


Male connector

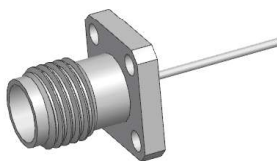
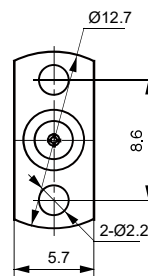
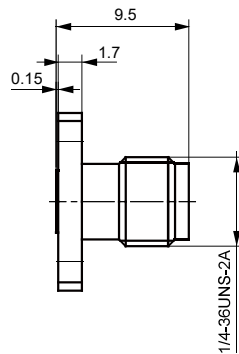
	Min(mm)	Max(mm)
A	1.26	1.28
B	0.906	0.922
C	2.90	2.95
D	6.35	/
E	2.36	3.56
F	3.30	/

Female connector

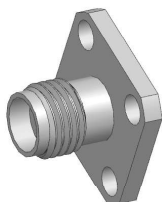
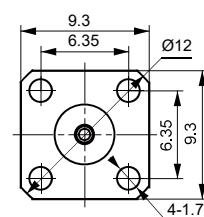
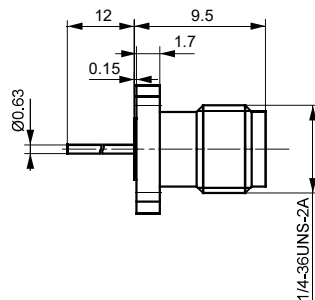
	Min(mm)	Max(mm)
A	2.90	2.95
B	4.60	4.65
C	4.32	/
D	5.54	/
E	1.88	1.98



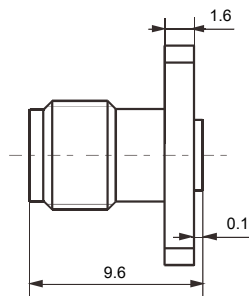
2.92-KFDG-1



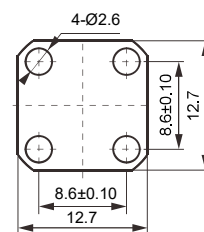
2.92-KFDG-2



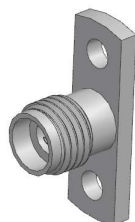
2.92-KFDG-10



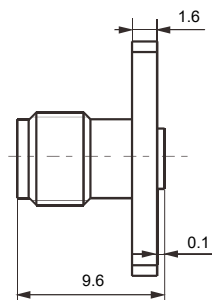
FLANGE SIZE



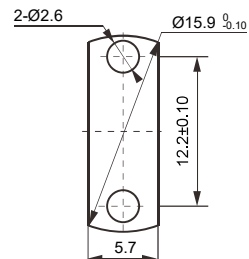
Notes: Implementation criteria: Ø0.3



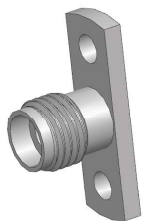
2.92-KFDG-11



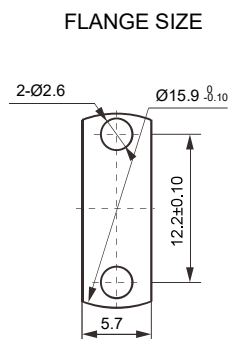
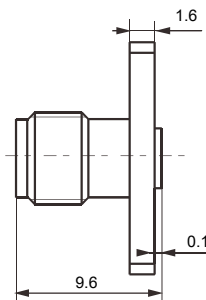
FLANGE SIZE



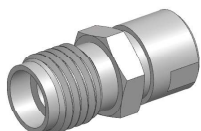
Notes: Implementation criteria: Ø0.3



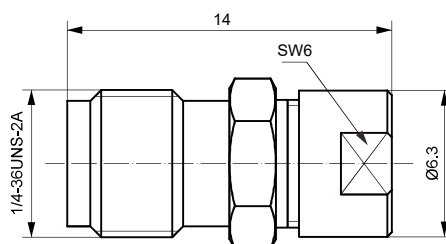
2.92-KFD-11



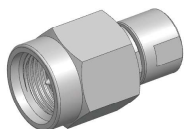
Notes: Implementation criteria: Ø0.3



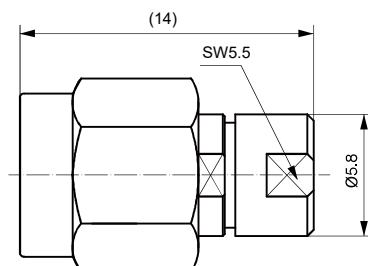
2.92-K3506G



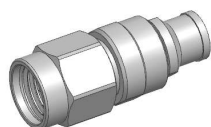
Type	Cable
2.92-K3506G	CXN3506



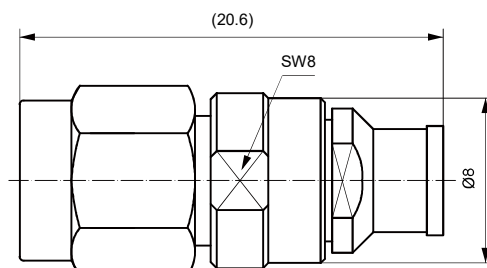
2.92-J3506G



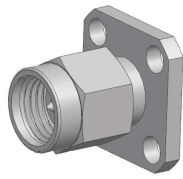
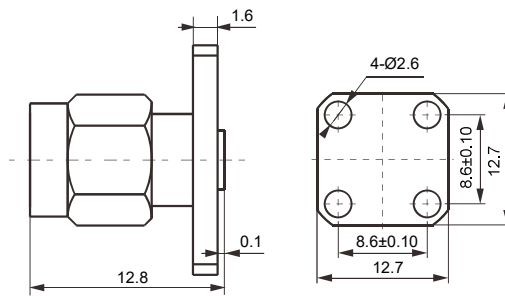
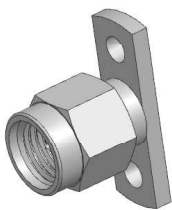
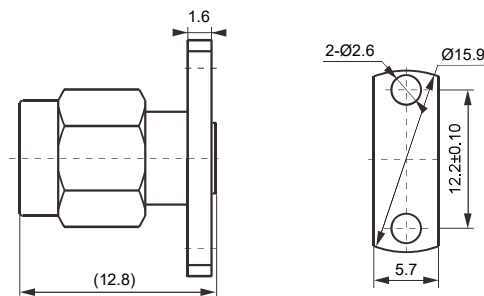
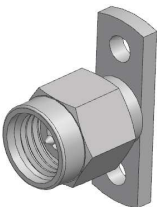
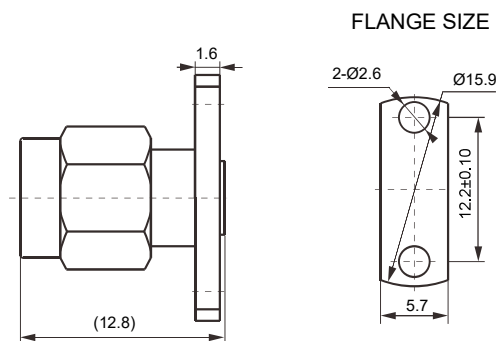
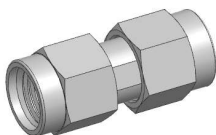
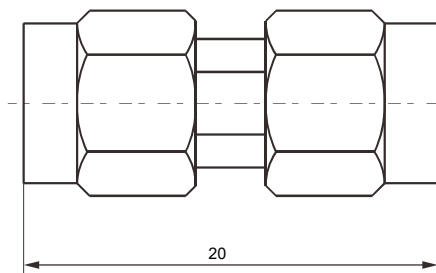
Type	Cable
2.92-J3506G	CXN3506

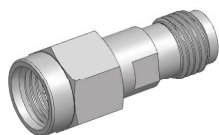


2.92-J3507G

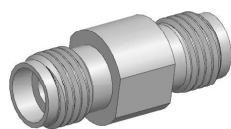
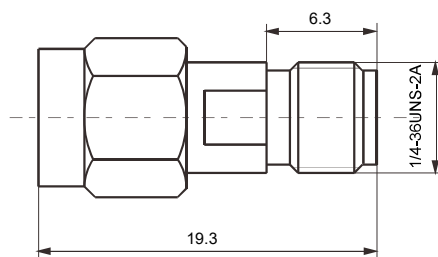


Type	Cable
2.92-J3507G	CXN3507

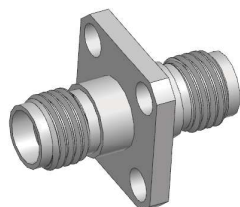
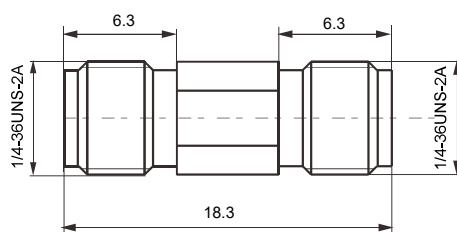
**2.92-JFDG**Notes: Implementation criteria: $\varnothing 0.3$ **2.92-JFD-1**Notes: Implementation criteria: $\varnothing 0.3$ **2.92-JFDG-1**Notes: Implementation criteria: $\varnothing 0.3$ **2.92-JJG**



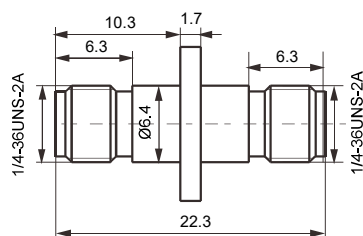
2.92-JKG



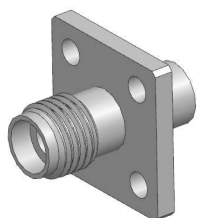
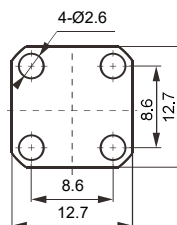
2.92-KKG



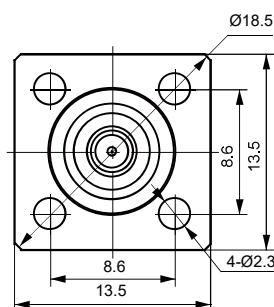
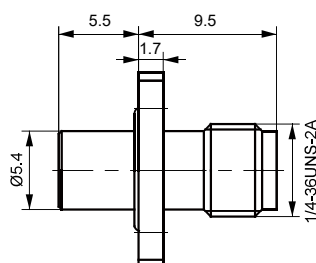
2.92-KFKG



FLANGE SIZE



2.92/SMP-KJ



2.4 series

RF Coaxial Connector

FEATURES

- Can be interchangeable with 1.85 series products, using air dielectric
- Small size, light weight, and operating frequency up to 50GHz
- Excellent electrical performance and high connection reliability

TECHNICAL PARAMETER

Temperature: - 55~+125°C

Impedance: 50Ω

Frequency: DC~50GHz

VSWR: $\leq 1.04 + 0.015F$

Insulation resistance: $\geq 1000M\Omega$

Dielectric strength: 500V(rms)

Operating Voltage: 335V (rms)

Contact resistance: Center contact: $\leq 4m\Omega$

Outer contact: $\leq 2.5m\Omega$

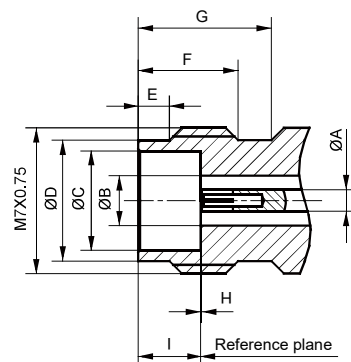
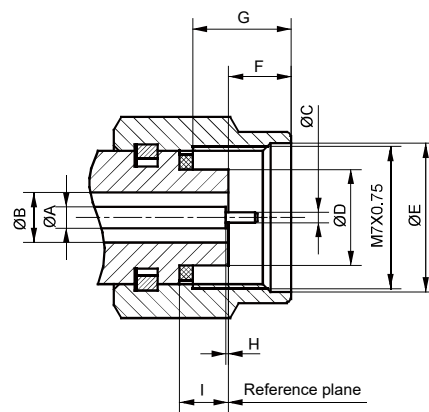
Mechanical endurance: 500 ops

IMPLEMENTATION CRITERIA

IEC 61169-35 GB/T 11313.40



INTERFACE DIMENSIONS

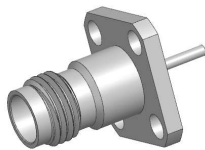


Male connector

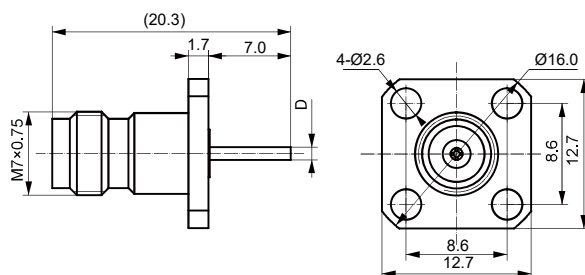
	Min(mm)	Max(mm)
A	1.032	1.054
B	2.388	2.412
C	0.506	0.523
D	4.725	4.75
E	7.01	7.11
F	1.85	2.45
G	4.34	4.66
H	/	0.076
I	3.38	3.48

Female connector

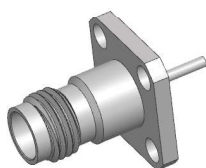
	Min(mm)	Max(mm)
A	1.032	1.054
B	2.388	2.412
C	4.77	4.795
D	5.79	5.89
E	1.37	1.63
F	4.80	5.06
G	5.80	/
H	0	0.076
I	3.00	3.10



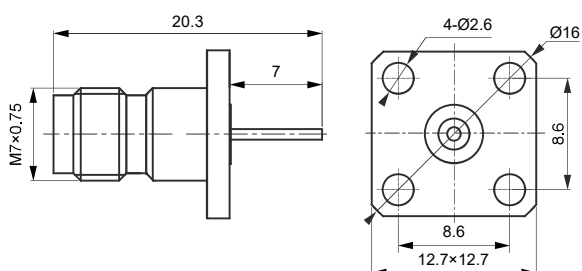
2.4-KFDG, etc



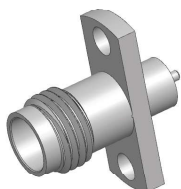
Type	D
2.4-KFDG	Ø0.8
2.4-KFDG-1	Ø1.04



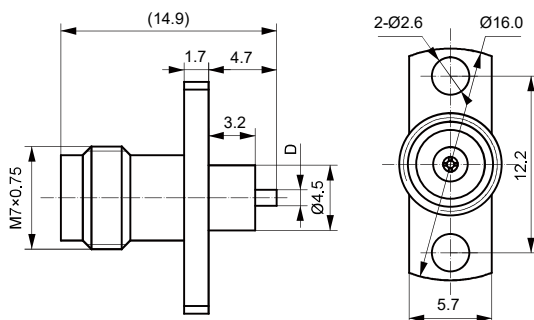
2.4-KFD2, etc



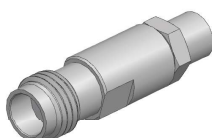
Type	Notes
2.4-KFD3	Connector tail microstrip size: Ø0.8×7
2.4-KFD2	Connector tail microstrip size: Ø1.04×7



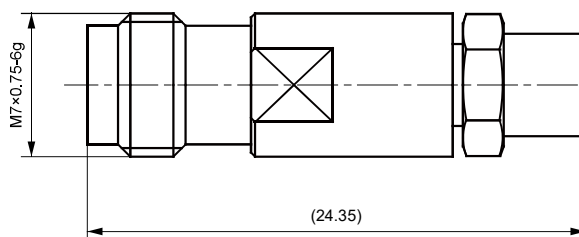
2.4-KFDG-2



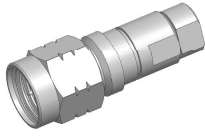
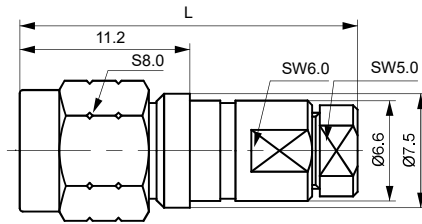
Type	D
2.4-KFDG-2	Ø0.8



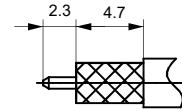
2.4-KB2G



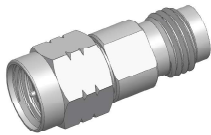
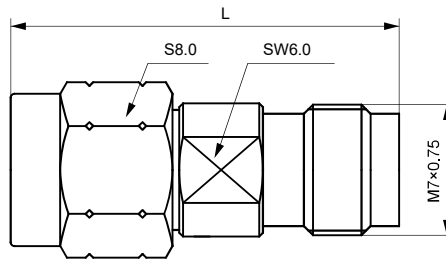
Type	Cable	Notes
2.4-KB2G	SMT680-086 or equivalent cable	Stainless steel

**2.4-J1401G**

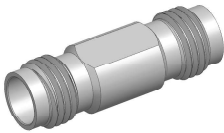
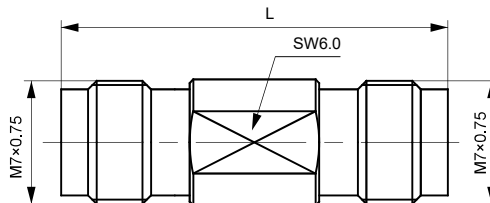
RECOMMENDED WIRE
STRIPPING SIZE



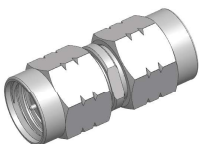
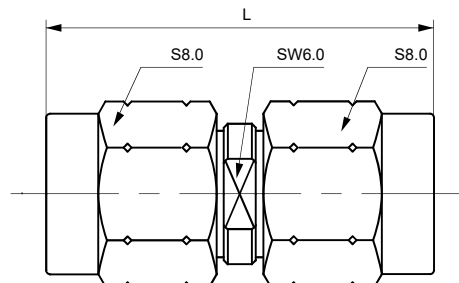
Type	L	Cable
2.4-J1401G	22.2	IW1401

**2.4-JKG**

Type	L
2.4-JKG	(20.4)

**2.4-KKG**

Type	L
2.4-KKG	21.5

**2.4-JJG**

Type	L
2.4-JJG	(19.3)

1.85 series

RF Coaxial Connector

FEATURES

- Can be interchanged with 2.4mm series products, using air-dielectric
- Small size, light weight, and operating frequency up to 65GHz
- Excellent electrical performance and high connection reliability

TECHNICAL PARAMETER

Temperature: - 65~+125°C

Impedance: 50Ω

Frequency: DC~65GHz

VSWR: $\leq 1.05 + 0.015F$

Insulation resistance: $\geq 5000M\Omega$

Dielectric strength: 500V(rms)

Operating Voltage: 250V (rms)

Contact resistance: Center contact: $\leq 5m\Omega$

Outer contact: $\leq 4m\Omega$

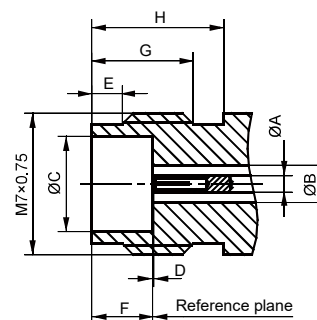
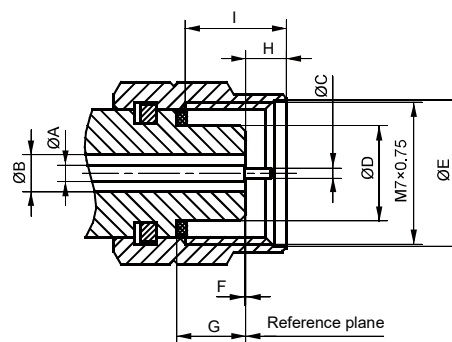
Mechanical endurance: 500 ops

IMPLEMENTATION CRITERIA

IEC60169-32 GB/T 11313.1-2013



INTERFACE DIMENSIONS

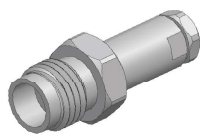
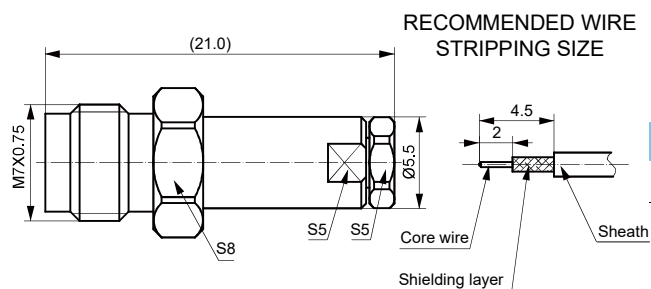


Male connector

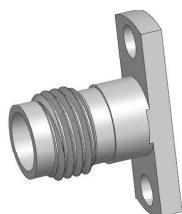
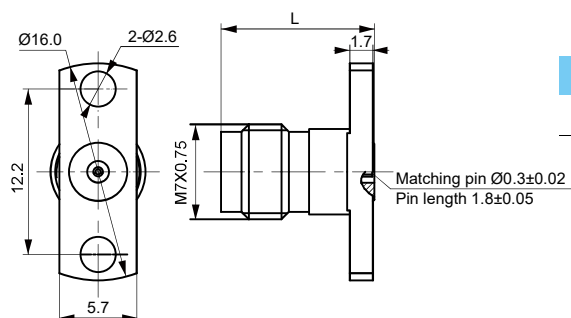
	Min(mm)	Max(mm)
A	0.7909	0.8163
B	1.8373	1.8627
C	0.498	0.523
D	4.725	4.750
E	7.01	7.11
F	/	0.0762
G	3.380	3.480
H	1.850	2.450
I	4.37	4.63

Female connector

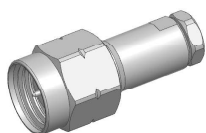
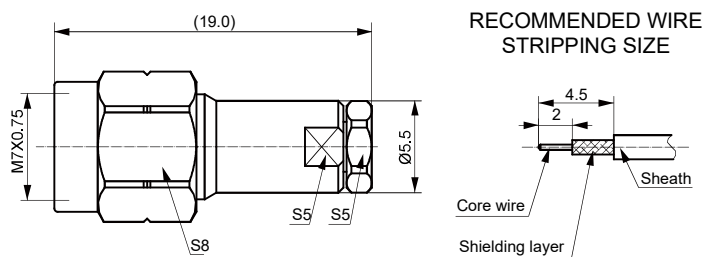
	Min(mm)	Max(mm)
A	0.7909	0.8163
B	1.8373	1.8627
C	4.77	4.795
D	0	0.0762
E	1.37	1.63
F	3.00	3.10
G	4.80	5.06
H	6.00	/

**1.85-K3657G**

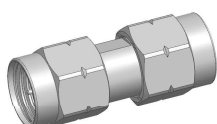
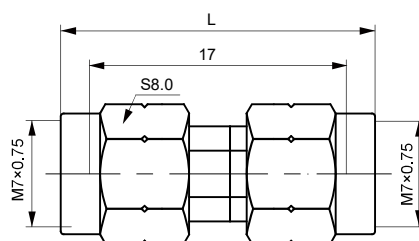
Type	L	Cable
1.85-K3657G	(21.0)	GXN3657

**1.85-KFDG**

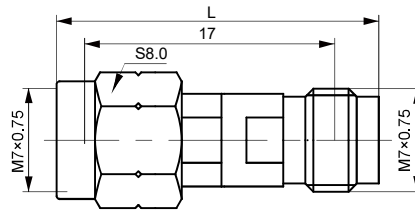
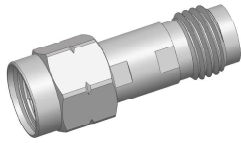
Type	L
1.85-KFDG	(11.3)

**1.85-J3657G**

RECOMMENDED WIRE
STRIPPING SIZE

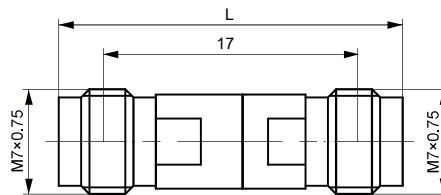
**1.85-JJG**

Type	L
1.85-JJG	(20.8)



Type	L
1.85-JKG	(21.9)

1.85-JKG



Type	L
1.85-KKG	(23.0)

1.85-KKG

3.5 series

RF Coaxial Connector

FEATURES

- Can be interchanged with SMA, 2.92mm series products, using air-dielectric
- Small size, light weight, and operating frequency up to 33GHz
- Excellent electrical performance and high connection reliability
- Suitable for testing and measurement fields, and aerospace equipment, etc

TECHNICAL PARAMETER

Temperature: - 65~+155°C

Impedance: 50Ω

Frequency: DC~33GHz

VSWR: $\leq 1.05 + 0.005F$

Insulation resistance: $\geq 5000M\Omega$

Dielectric strength: 750V(rms)

Operating Voltage: 335V (rms)

Contact resistance: Center contact: $\leq 3m\Omega$

Outer contact: $\leq 2m\Omega$

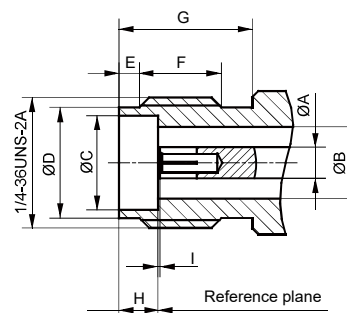
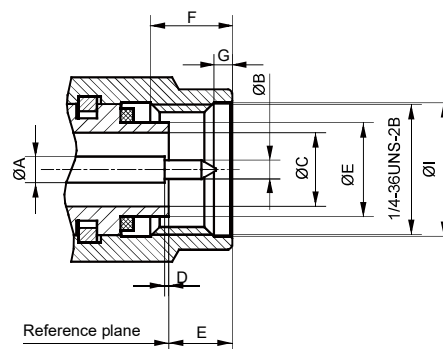
Mechanical endurance: 500 ops

IMPLEMENTATION CRITERIA

IEC 61169-23 GB/T 11313. 1-2013



INTERFACE DIMENSIONS

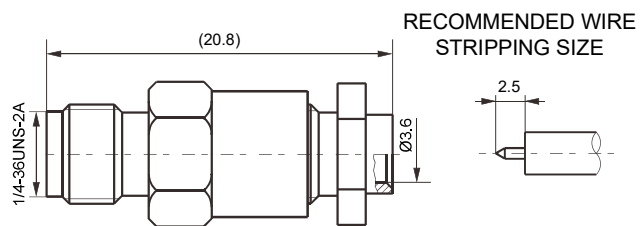


Male connector

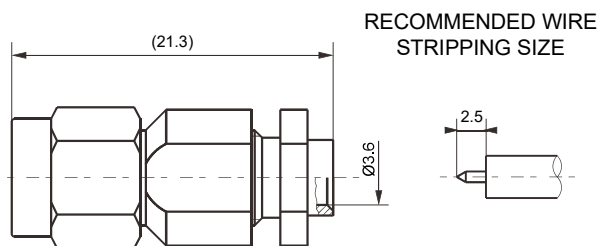
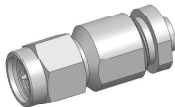
	Min(mm)	Max(mm)
A	1.514	1.524
B	0.919	0.935
C	3.493	3.508
D	/	0.076
E	2.36	2.56
F	3.43	4.01
G	0.38	1.14
H	4.547	4.577
I	6.38	6.73

Female connector

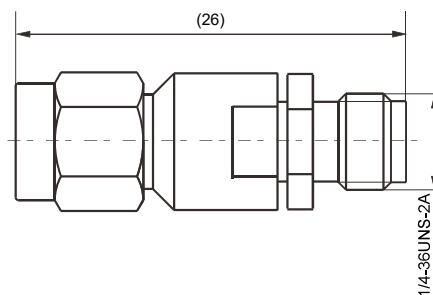
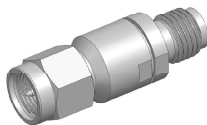
	Min(mm)	Max(mm)
A	1.514	1.524
B	3.493	3.508
C	4.597	4.628
D	5.28	5.46
E	0.38	1.14
F	3.35	4.42
G	5.54	/
H	1.88	1.98
I	0	0.076



Type	Cable
3.5-KB3	SFT-50-3-1

3.5-KB3

Type	Cable
3.5-JB3	SFT-50-3-1

3.5-JB3**3.5-JK**

2.2-5 series

RF Coaxial Connector

FEATURES

- Small size, sturdy design, superior PIM performance, lightweight
- The interface design combines high power, low PIM, and small size features
- Excellent electrical performance and high connection reliability
- Designed specifically for small base stations and DAS applications

TECHNICAL PARAMETER

Temperature: - 40~+85°C

Impedance: 50Ω

Frequency: DC~6GHz

Insertion loss: $<0.05 \times \sqrt{f}(\text{GHz})\text{dB}$

Insulation resistance: $\geq 3000\text{M}\Omega$

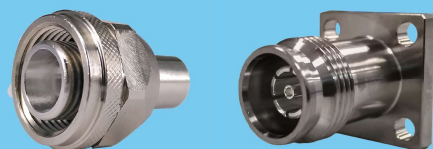
Dielectric strength: 1500V(rms)

Contact resistance: Center contact: $\leq 2.5\text{m}\Omega$
Outer contact: $\leq 1.5\text{m}\Omega$

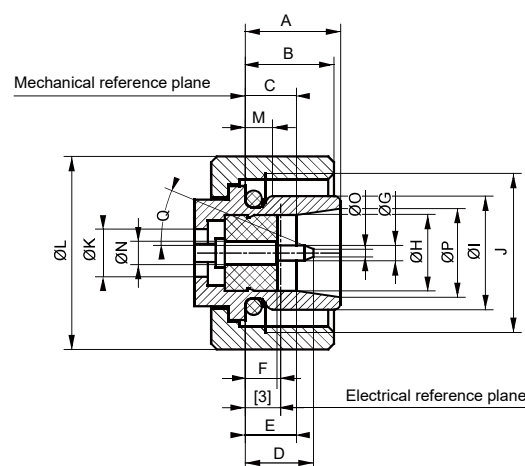
Mechanical endurance: 100 ops

IMPLEMENTATION CRITERIA

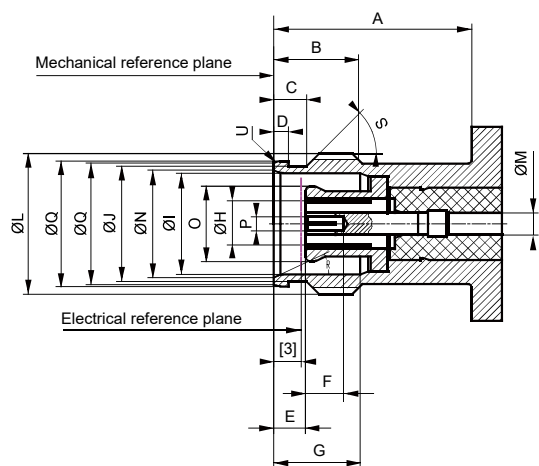
IEC 61169-66



INTERFACE DIMENSIONS



2.2-5 Male connector



2.2-5 Female connector

Male connector

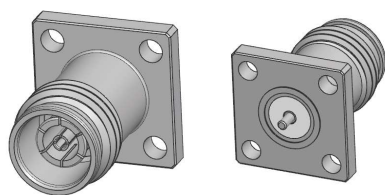
	Min(mm)	Max(mm)	Notes
A	T	8.5	
B	7.5	8	See NOTE 1
C	4	5	
D	-	6.2	
E	4.4	-	
F	-	2.9	See NOTE 2
G	1.32	1.37	
H	6.67	6.72	
I	9.98	10.02	
J	M14x1.0-6H		Internal thread
K	5.00 nominal		Impedance=50Ω
L	-	19.5	
M	-	2.5	
N	2.20 nominal		Impedance=50Ω
O	-	0.7	
P	7	8	
Q	20°nominal		
R	0.5 nominal		Radius

Note 1: Minimum size for threaded connection types only
 Note 2: Suitable for both inner and outer conductors

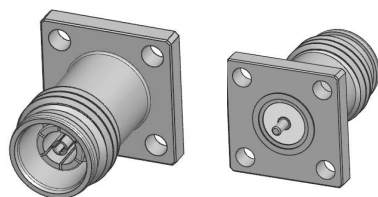
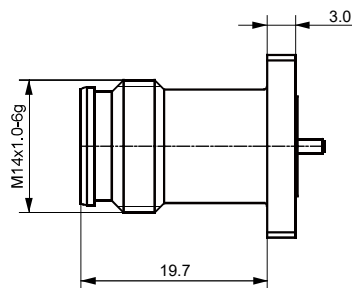
Female connector

	Min(mm)	Max(mm)	Notes
A	9	-	
B	8.5	-	
C	1.7	1.9	
D	1.44	1.5	
E	3.1	3.35	See NOTE 1
F	3.5	-	
G	8.5	-	
H	5.00 nominal		Impedance=50Ω
I	10.05	10.1	
J	11.45	11.55	
K	12.45	12.55	
L	M14x1.0-6g		External thread
M	2.20 nominal		Impedance=50Ω
N	10.65	10.75	
O	-	7.5	See NOTE 2 and 3
P	-	-	See NOTE 3
Q	12.05	12.15	
R			
U	45° nominal		
S	1.0 nominal		Radius
T	1.0 nominal		Radius

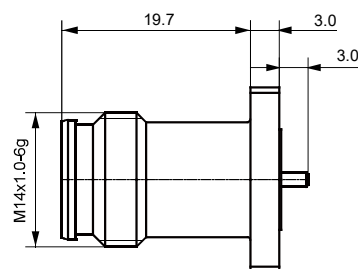
Note 1: Suitable for both inner and outer conductors
 Note 2: In unmatched situations
 Note 3: Meet the elasticity requirements specified in the standard



2.2-5-KFD



2.2-5-KFD-1



BMA series

RF Coaxial Connector

FEATURES

- Blind insertion of a new type of RF coaxial connector
- Using air dielectric
- Small size, reliable contact, superior electrical and mechanical performance, and convenient docking
- It is suitable for the connection of various microwave circuits, especially for blind insertion of chassis and cabinets, and is conducive to the modularization of complete systems such as radars. It is currently widely used

TECHNICAL PARAMETER

Temperature: - 65~+125°C

Impedance: 50Ω

Frequency: DC~18GHz

VSWR: ≤1.15+0.012F

Insulation resistance: ≥5000MΩ

Dielectric strength: 750V(rms)

Operating Voltage: 330V (rms)

Contact resistance: Center contact: ≤3mΩ

Outer contact: ≤2mΩ

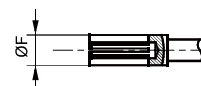
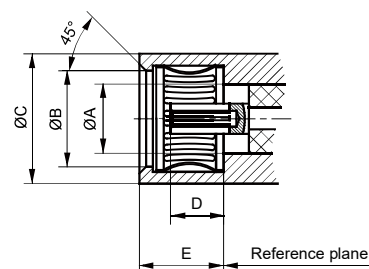
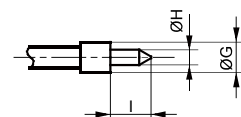
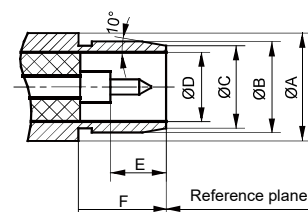
Mechanical endurance: 500 OPS

IMPLEMENTATION CRITERIA

IEC 61169-33 GB/T 11313.33



INTERFACE DIMENSIONS

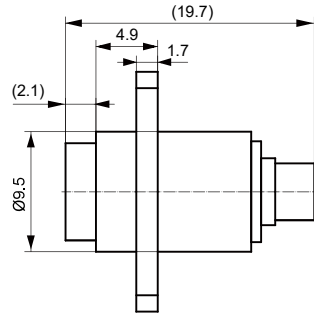
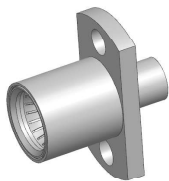
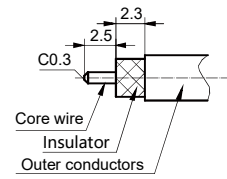
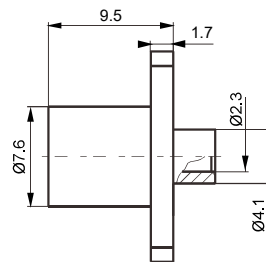
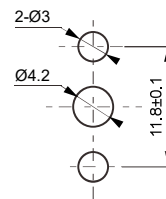


Male connector

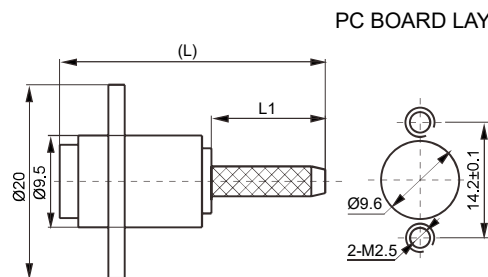
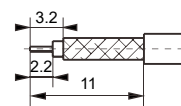
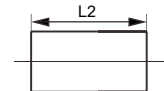
	Min(mm)	Max(mm)
A	7.62 Nominal value	
B	5.309	5.359
C	4.88 Nominal value	
D	4.09 Nominal value	
E	3.252	3.429
F	5.055	/
G	1.778 Nominal value	
H	0.902	0.940
I	2.159	2.413

Female connector

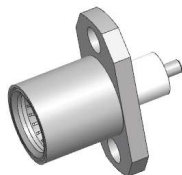
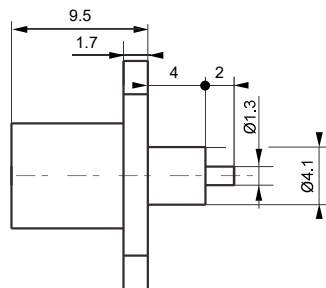
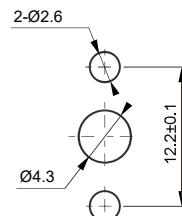
	Min(mm)	Max(mm)
A	4.09 Nominal value	
B	5.72	/
C	7.37	/
D	3.048	3.225
E	/	5.029
F	1.778 Nominal value	

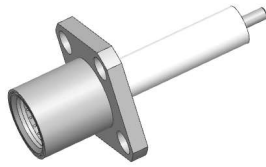
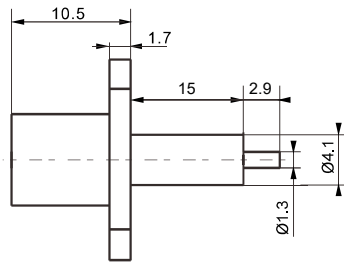
**BMA-KFB3****RECOMMENDED WIRE STRIPPING SIZE****BMA-KFB2-1****RECOMMENDED WIRE STRIPPING SIZE**

Type	Cable
BMA-KFB2-1	SFT-50-2-1

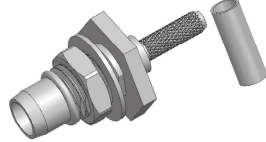
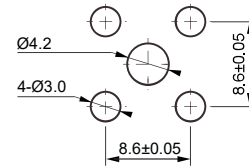
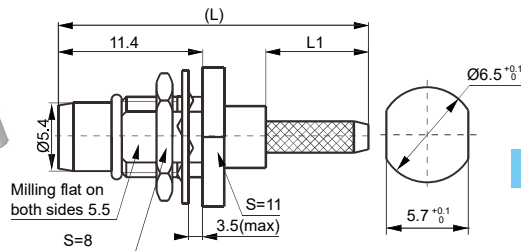
**BMA-KF3Y****PC BOARD LAYOUT****CABLE STRIPPING SIZE****CLAMP**

Type	Cable	L	L1	L2
BMA-KF3Y	SFF-50-1.5-1 SYV-50-2-1	22.4	5.5	6.5
BMA-KF4Y	SYV-50-2-2	26.4	10	10
BMA-KF5YG	SYV-50-3	26.4	10	12

**BMA-KFD-5****PC BOARD LAYOUT**

**BMA-KFD-7G**

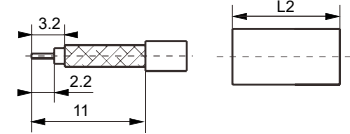
PC BOARD LAYOUT

**BMA-JY3Y**

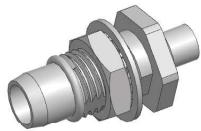
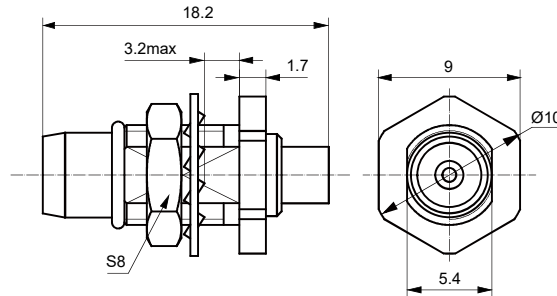
PC BOARD LAYOUT

CABLE STRIPPING SIZE

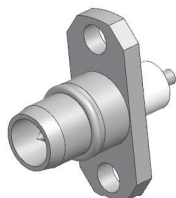
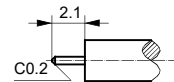
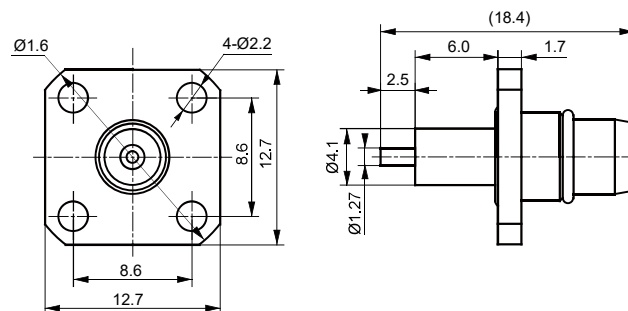
CLAMP

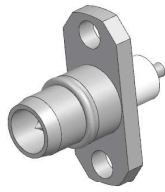
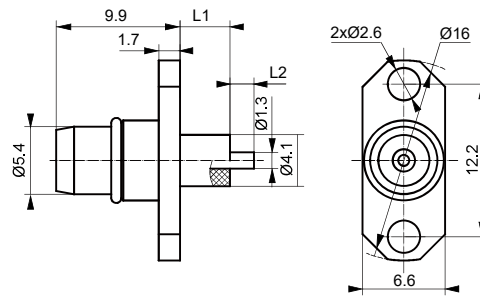


Type	Cable	L	L1	L2
BMA-JY3Y	SFF-50-1.5-1 SYV-50-2-1	23.1	5.5	6.5
BMA-JY4Y	SYV-50-2-2	23.1	8	10
BMA-JY5YG	SYV-50-3	23.1	10	12

**BMA-JYB2**

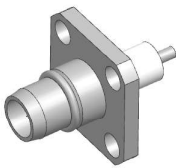
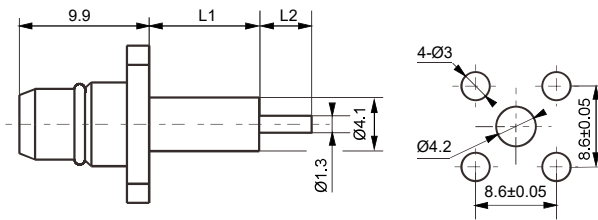
RECOMMENDED WIRE STRIPPING SIZE

**BMA-JFDG-5**

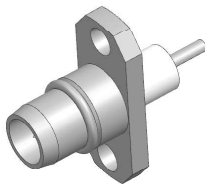
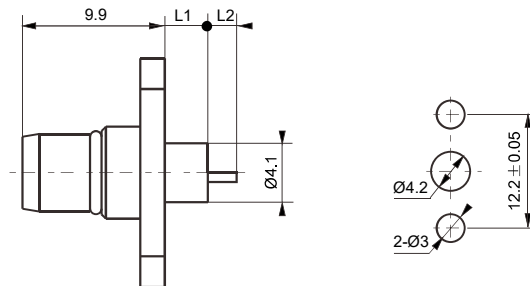
**BMA-JFDG**

Type	L	L1
BMA-JFDG	4.0	1.0
BMA-JFDG-1	4.0	7.5
BMA-JFDG-2	4.0	2.0

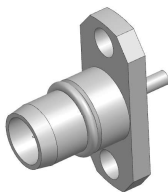
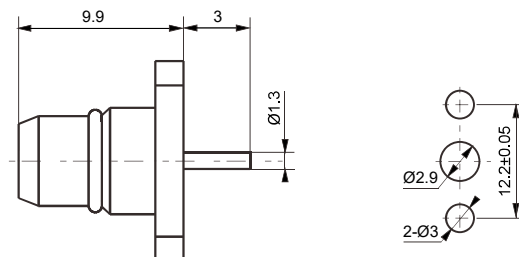
PC BOARD LAYOUT

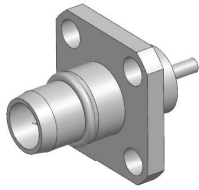
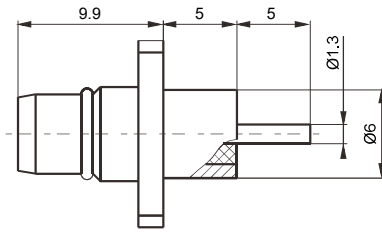
**BMA-JFD-10**

Type	L1	L2
BMA-JFD-10	8.4	4.0
BMA-JFDG-10	8.4	4.0
BMA-JFD-11	4.0	2.0
BMA-JFDG-11	4.0	2.0
BMA-JFD-12	8.4	3.0

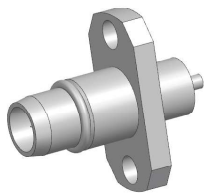
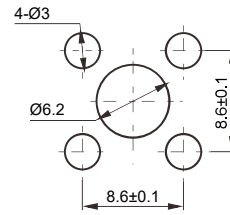
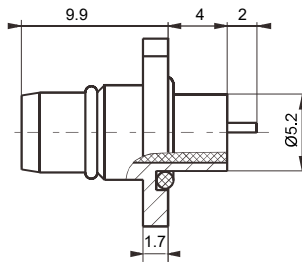
**BMA-JFD-13**

Type	L1	L2
BMA-JFD-13	5.0	2.0
BMA-JFD-14	3.0	2.0
BMA-JFDG-14	3.0	2.0

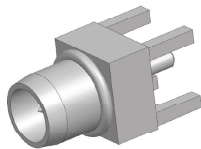
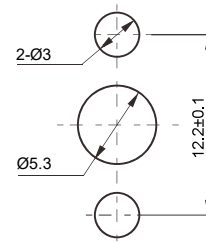
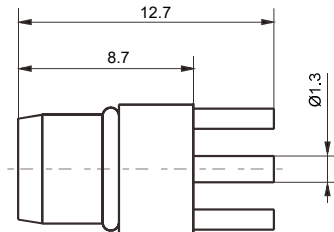
**BMA-JFD-15**

**BMA-JFDG-20**

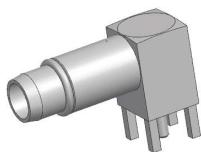
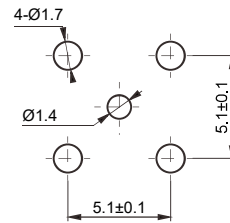
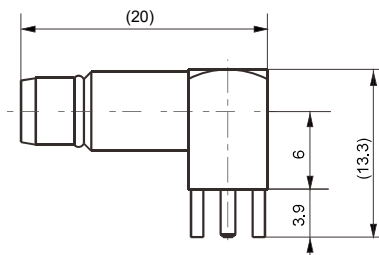
PC BOARD LAYOUT

**BMA-JFDG-23**

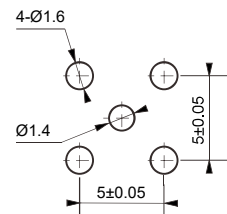
PC BOARD LAYOUT

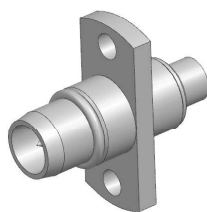
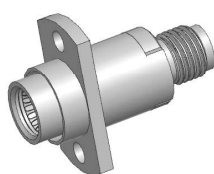
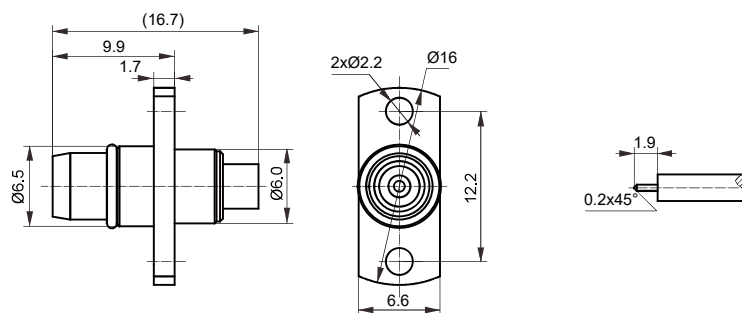
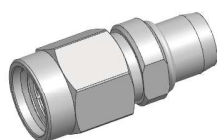
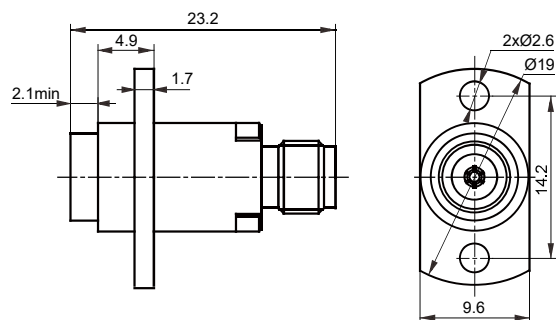
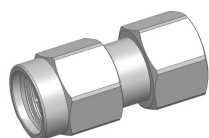
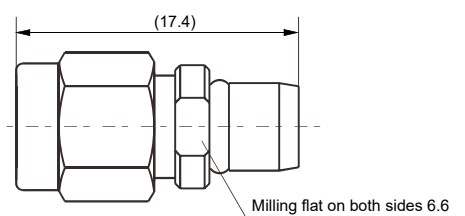
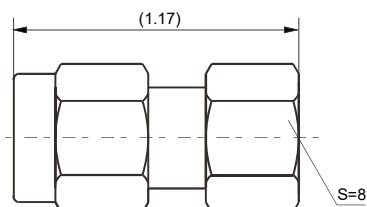
**BMA-JHD**

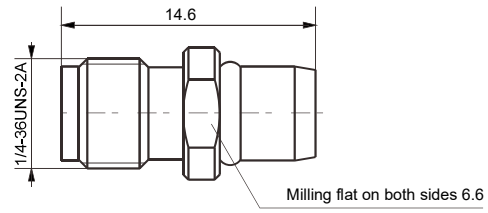
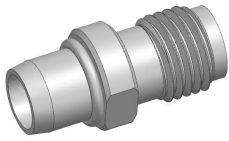
PC BOARD LAYOUT

**BMA-JWHD**

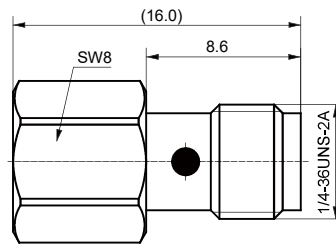
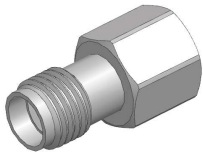
PC BOARD LAYOUT



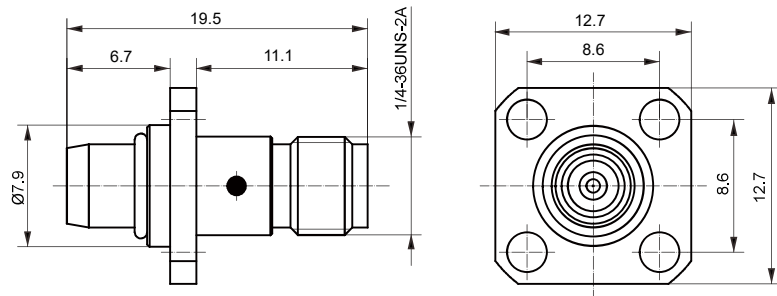
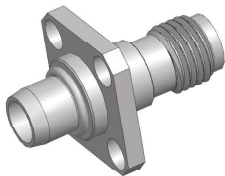
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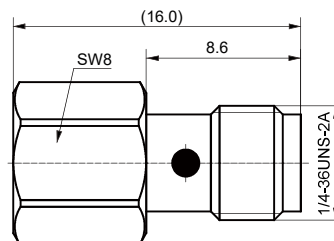
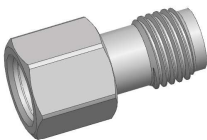
BMA/SMA-JK



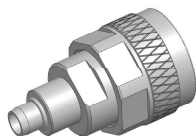
BMA/SMA-KK-1



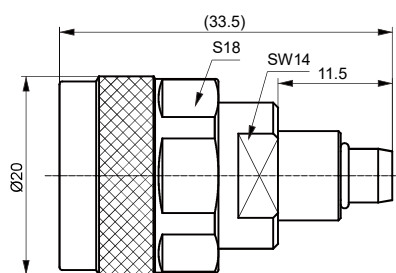
BMA/SMA-JFK



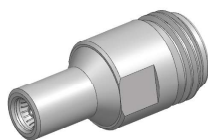
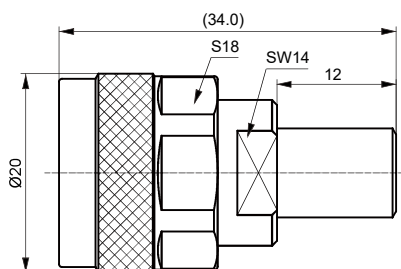
BMA/SMA-KKG-1



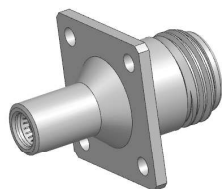
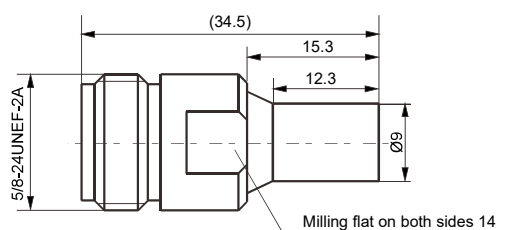
N/BMA-JJ



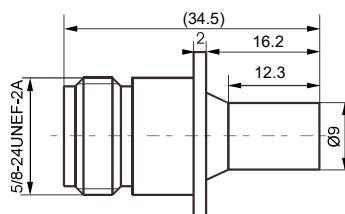
N/BMA-JK



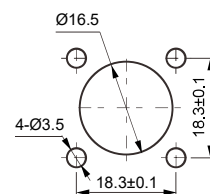
N/BMA-KK

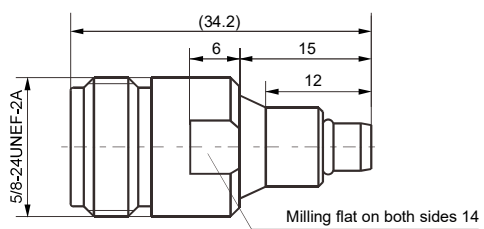
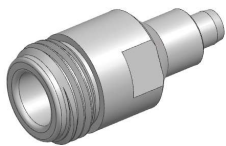


N/BMA-KFK



PC BOARD LAYOUT





N/BMA-KJ

SBMA series

RF Coaxial Connector

FEATURES

- A small blind plug connector developed on the basis of BMA products
- Small size, reliable contact, convenient maintenance, and high degree of standardization
- Similar to BMA products, It is suitable for the connection of various microwave circuits, especially for blind insertion of chassis and cabinets, and is conducive to the modularization of complete systems such as radars. It is currently widely used.

TECHNICAL PARAMETER

Temperature: - 65~+125°C

Impedance: 50Ω

Frequency: DC~28GHz

VSWR: $\leq 1.1 + 0.01F$

Insulation resistance: $\geq 5000M\Omega$

Dielectric strength: 675V(rms)

Operating Voltage: 250V (rms)

Contact resistance: Center contact: $\leq 8m\Omega$

Outer contact: $\leq 3m\Omega$

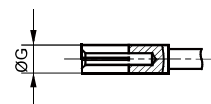
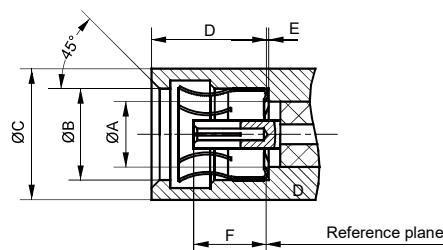
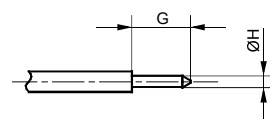
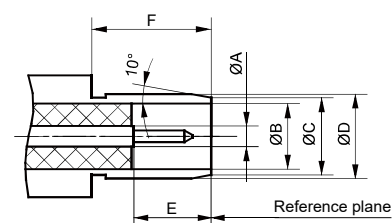
Mechanical endurance: 500 OPS

IMPLEMENTATION CRITERIA

IEC 61169-58



INTERFACE DIMENSIONS

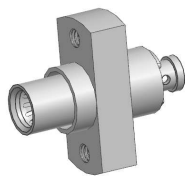


Male connector

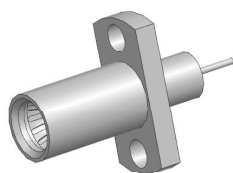
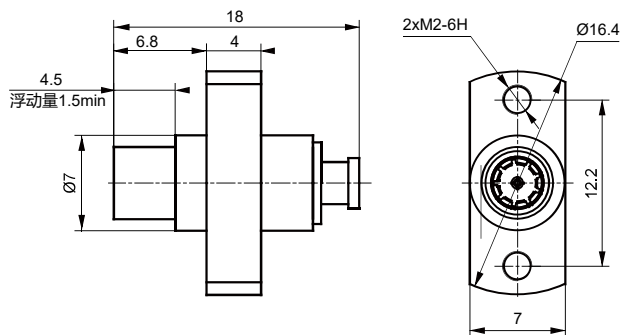
	Min(mm)	Max(mm)
A	0.86	0.88
B	2.78 Nominal value	
C	3.18	3.32
D	3.51	3.56
E	3.25	3.35
F	5.03	/
G	/	2.54
H	0.50	0.53

Female connector

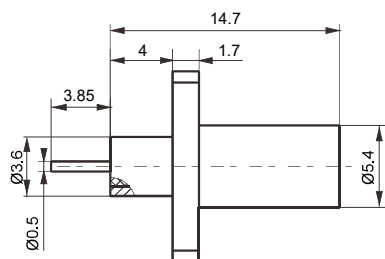
	Min(mm)	Max(mm)
A	2.78 Nominal value	
B	3.90	3.96
C	5.40	/
D	/	5.03
E	0.04	0.06
F	3.12	3.22
G	1.19	1.23



SBMA-KF3506

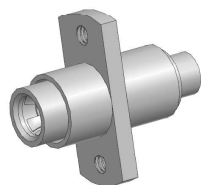
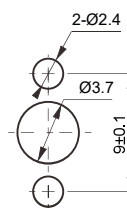
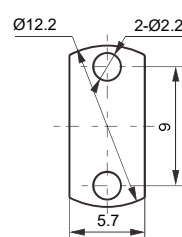


SBMA-KFD

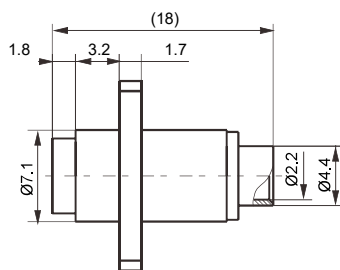


FLANGE SIZE

PC BOARD LAYOUT



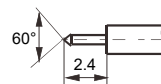
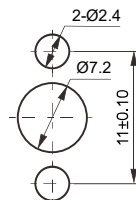
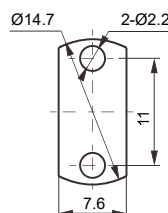
SBMA-KFB2G



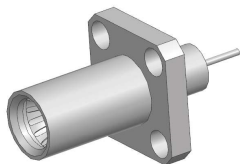
FLANGE SIZE

PC BOARD LAYOUT

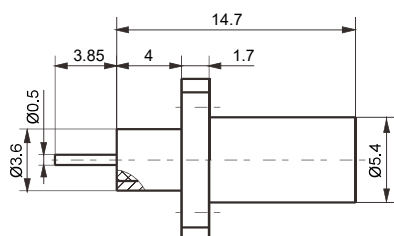
CABLE STRIPPING SIZE



Type	Cable
SBMA-KFB2G	SFT-50-2-1 or .086

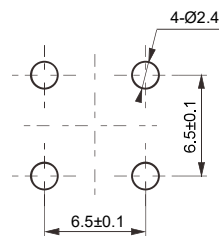
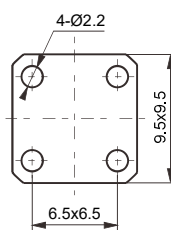


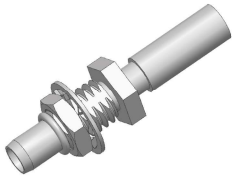
SBMA-KFD1



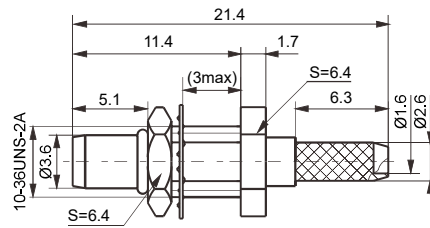
FLANGE SIZE

PC BOARD LAYOUT





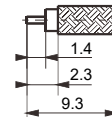
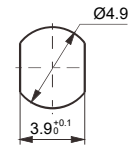
SBMA-JY3YG



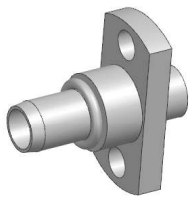
PC BOARD
LAYOUT

CABLE
STRIPPING SIZE

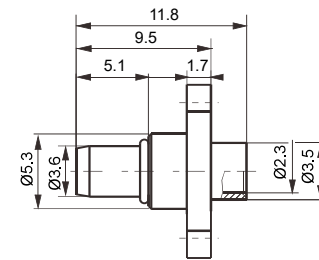
CLAMP



Type	Cable
SBMA-JY3YG	SYV-50-2-1 ,SFF-50-1.5-1



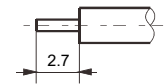
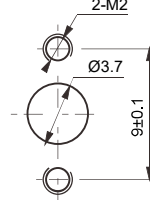
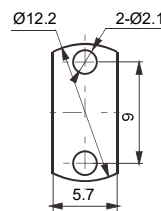
SBMA-JFB2



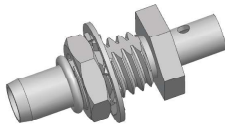
FLANGE SIZE

PC BOARD
LAYOUT

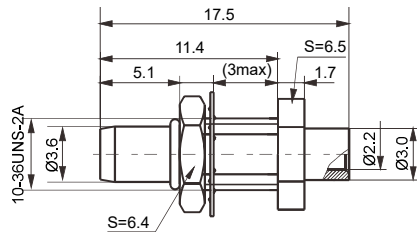
CABLE
STRIPPING SIZE



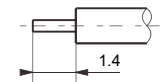
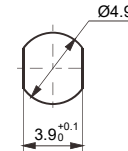
Type	Cable
SBMA-JFB2	SFT-50-2-1 or .086



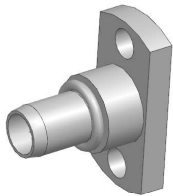
SBMA-JYB2



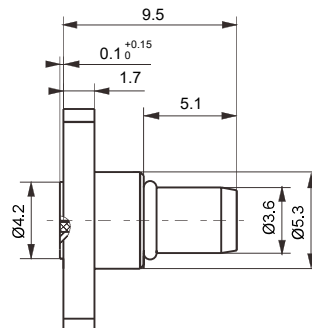
PC BOARD LAYOUT CABLE STRIPPING SIZE



Type	Cable
SBMA-JYB2	SFT-50-2-1 or .086

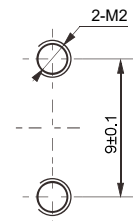
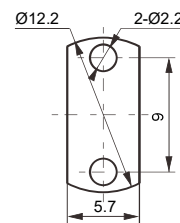


SBMA-JFDG

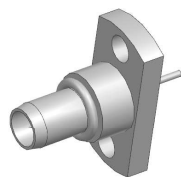


FLANGE SIZE

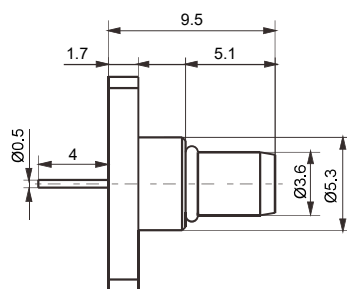
PC BOARD LAYOUT



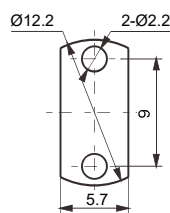
Notes: The tail is equipped with a Ø0.37-Ø0.4 pin



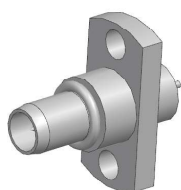
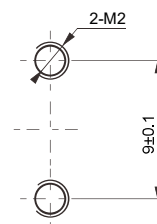
SBMA-JFDG-1



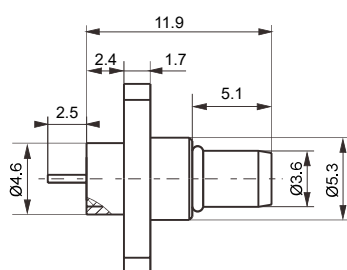
FLANGE SIZE



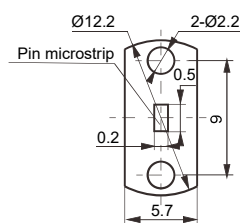
PC BOARD LAYOUT



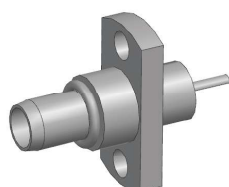
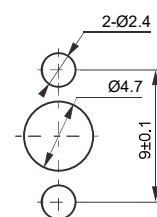
SBMA-JFD-2



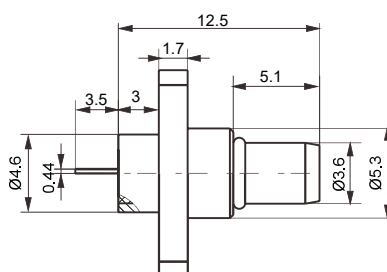
FLANGE SIZE



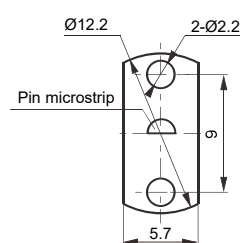
PC BOARD LAYOUT



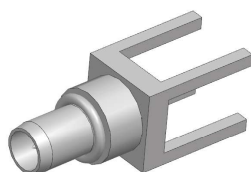
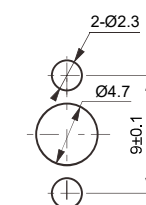
SBMA-JFD-3



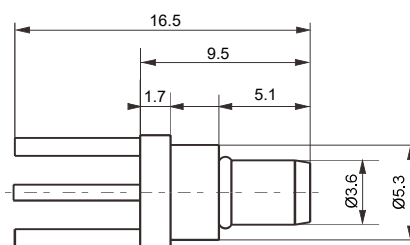
FLANGE SIZE



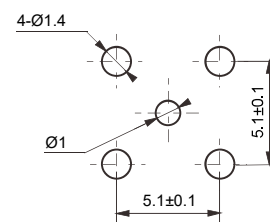
PC BOARD LAYOUT

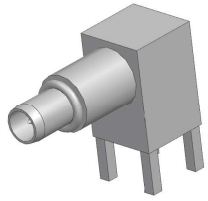


SBMA-JHD

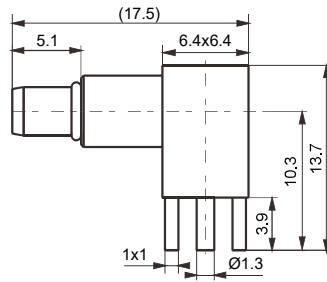


PC BOARD LAYOUT

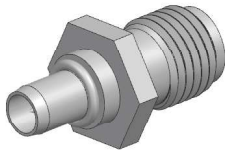
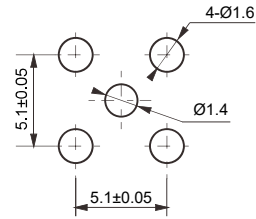




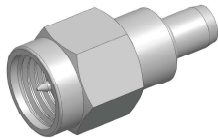
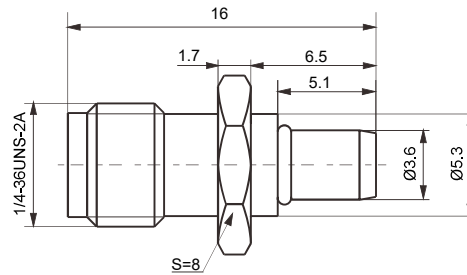
SBMA-JWHD



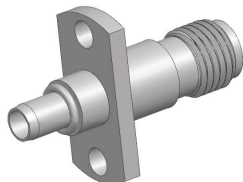
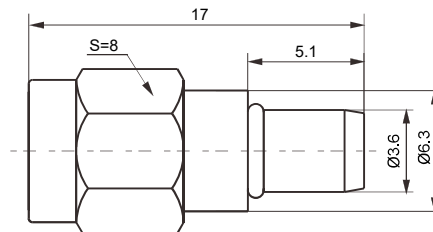
PC BOARD LAYOUT



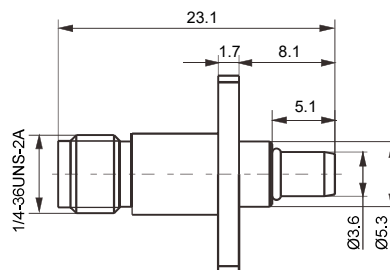
SMA/SBMA-KJ



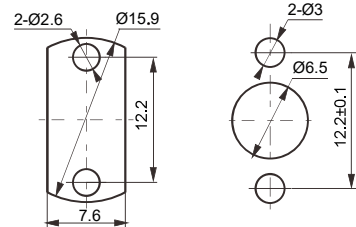
SMA/SBMA-JJ



SMA/SBMA-KFJ

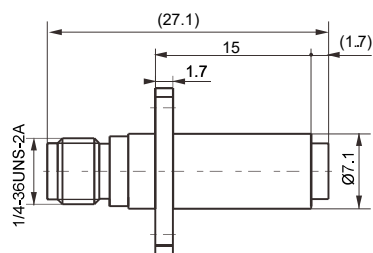


FLANGE SIZE PC BOARD LAYOUT

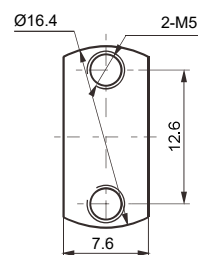




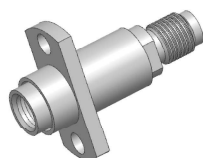
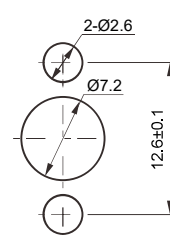
SMA/SBMA-KFK



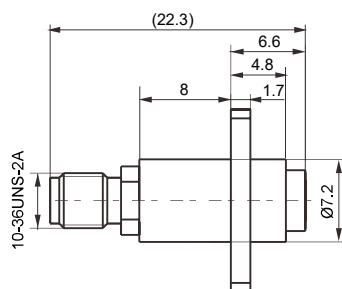
FLANGE SIZE



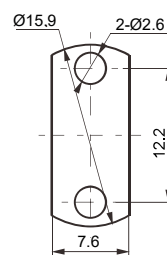
PC BOARD LAYOUT



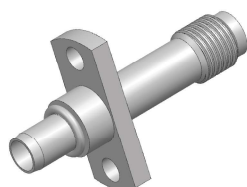
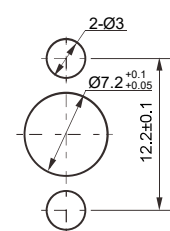
SSMA/SBMA-KFK



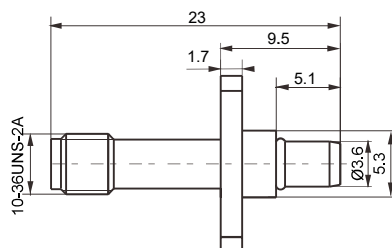
FLANGE SIZE



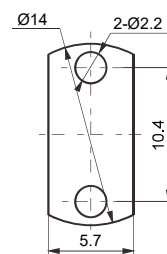
PC BOARD LAYOUT



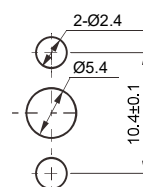
SSMA/SBMA-KFJ



FLANGE SIZE



PC BOARD LAYOUT



N series

RF Coaxial Connector

FEATURES

- Developed according to the US military standard MIL-C-39012, A Small and Medium Power RF Connector with a Threaded Connection Mechanism
- Strong vibration resistance, high reliability, and superior electrical and mechanical performance
- Can be compatible with international N-series connector products
- Widely used for the transmission of radio frequency signals in radio equipment and instruments

TECHNICAL PARAMETER

Temperature: - 65~+125°C

Impedance: 50Ω、75Ω

Frequency: DC~11GHz

VSWR: ≤1.30(Straight)

Insulation resistance: ≥5000MΩ

Dielectric strength: 1500V(rms)

Operating Voltage: 1000V (rms)

Contact resistance: Center contact: ≤1.5mΩ
Outer contact: ≤0.2mΩ

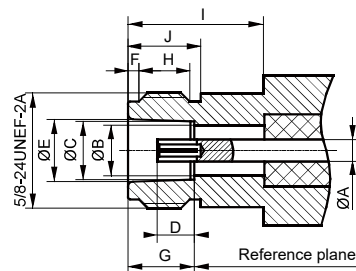
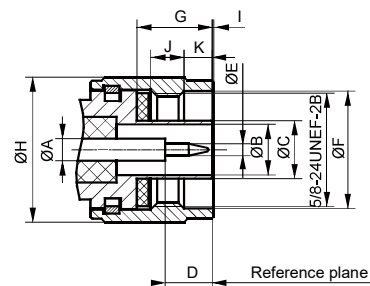
Mechanical endurance: 500 OPS

IMPLEMENTATION CRITERIA

IEC 61169-16 GB/T 11313.16



INTERFACE DIMENSIONS

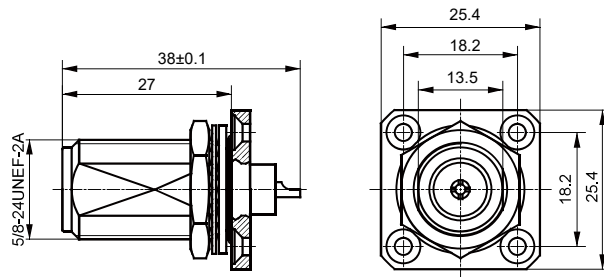
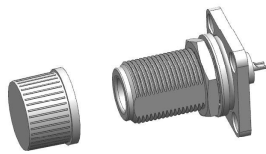


Male connector

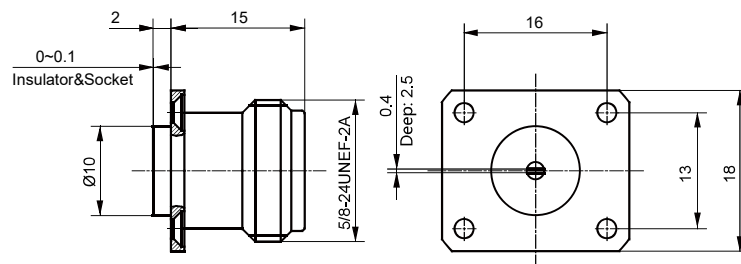
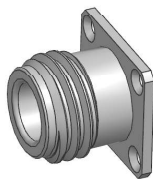
	Min(mm)	Max(mm)
A	3.04 Nominal value	
B	7.00 Nominal value	
C	/	8.027
D	5.28	/
E	1.60	1.676
F	16.00	/
G	9.25	/
H	/	21.00
I	0.41	1.52
J	4.5	/
K	4.013	4.267

Female connector

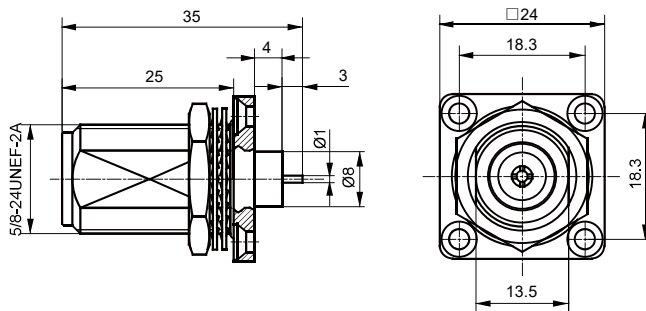
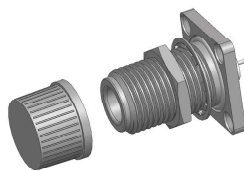
	Min(mm)	Max(mm)
A	3.04 Nominal value	
B	7.00 Nominal value	
C	8.03	8.13
D	4.75	5.26
E	8.53	8.74
F	1.19	1.96
G	9.05	9.19
H	4.37	/
I	10.72	/
J	6.76	/



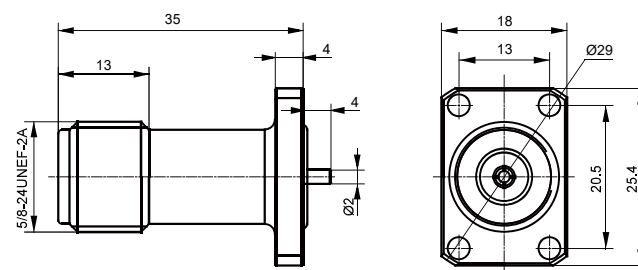
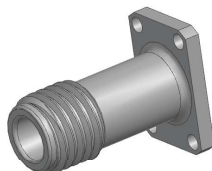
N-KFD-5



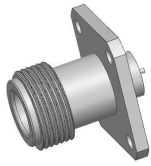
N-KFD-15



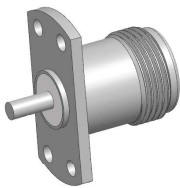
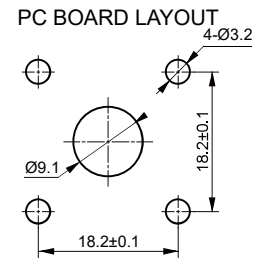
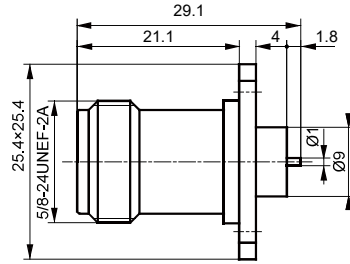
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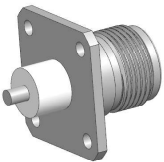
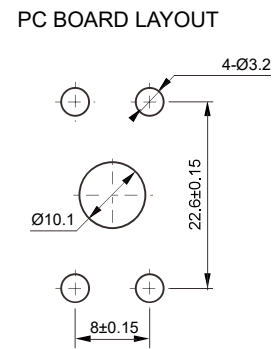
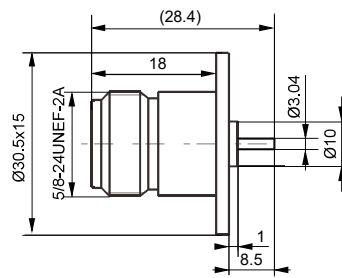
N-KFD-17



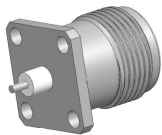
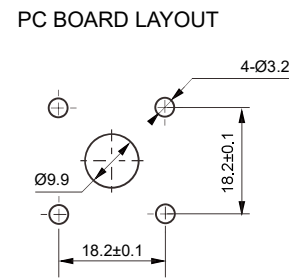
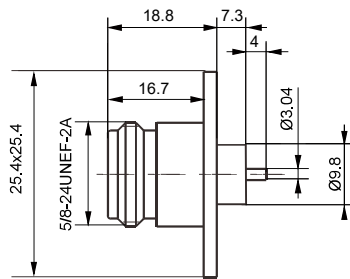
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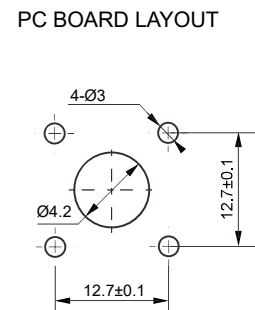
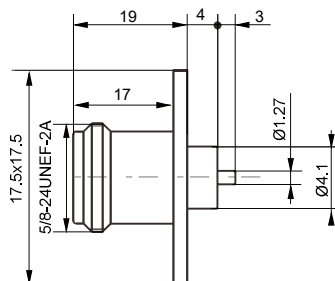
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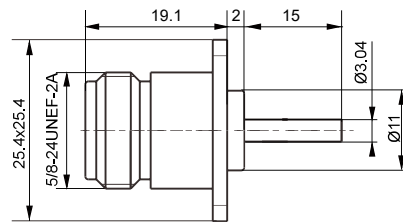
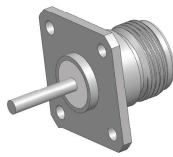


N-KFD-38

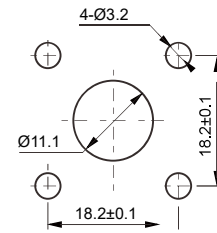


N-KFD-42

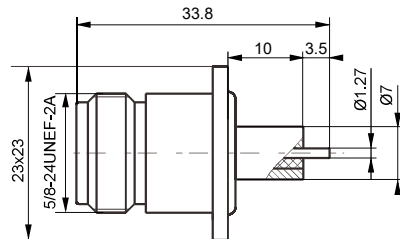
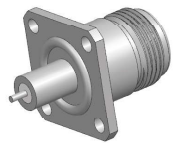




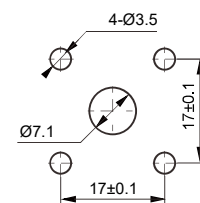
PC BOARD LAYOUT



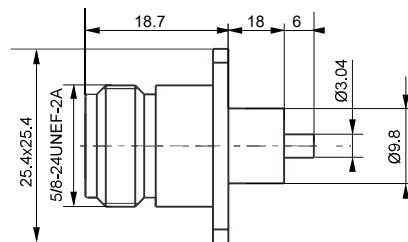
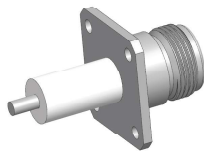
N-KFD-47



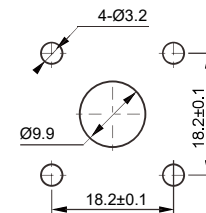
PC BOARD LAYOUT



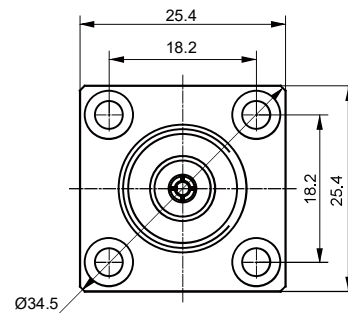
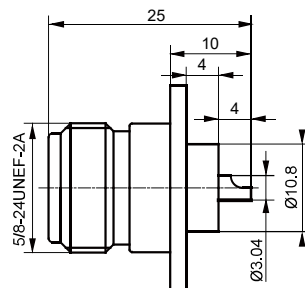
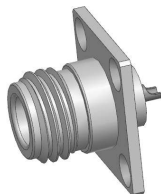
N-KFD-52



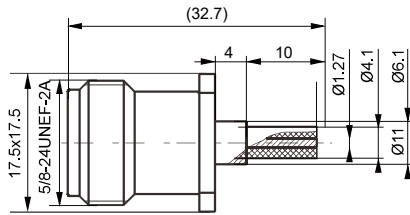
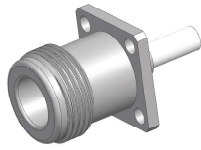
PC BOARD LAYOUT



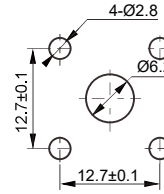
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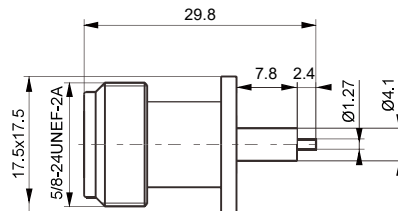
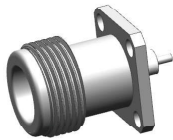
N-KFDG-12



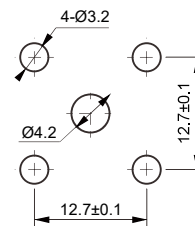
PC BOARD LAYOUT



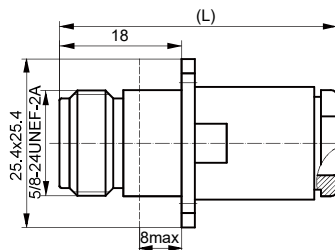
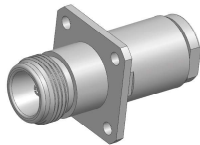
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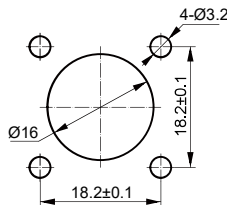
PC BOARD LAYOUT



N-KFDG-44

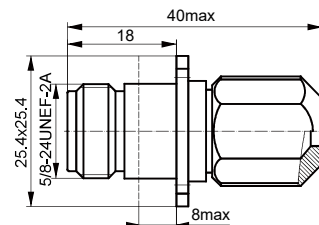
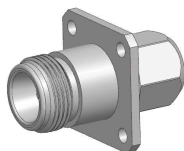


PC BOARD LAYOUT

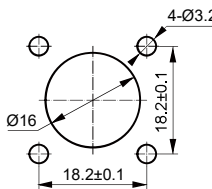


N-KF4A

Type	D	L	Cable
N-KF4A	Ø4.2	43.8	SYV-50-2-2
			SFF-50-2-2
N-KF5	Ø5.3	43.8	SYV-50-3
N-KF7	Ø10.5	43.8	SYV-50-7-1
N-KF8	Ø11.5	43.8	SYV-50-7-2
N-KF12	Ø5.2	43.8	SYV-75-3
N-KF27	Ø7.3	43.8	SYV-50-5-1



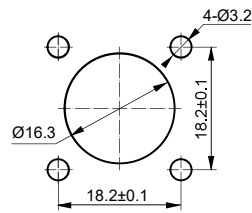
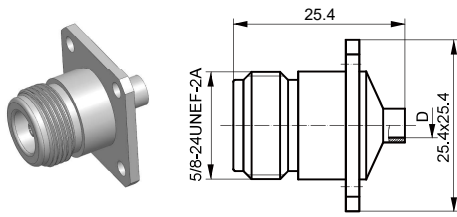
PC BOARD LAYOUT



N-KF3

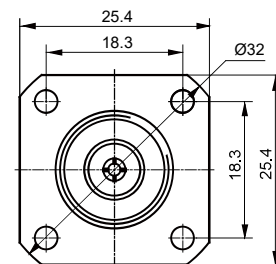
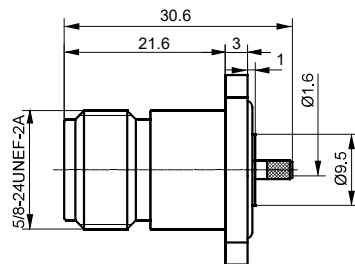
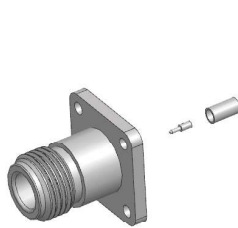
Type	D	Cable
N-KF3	Ø3	SYV-50-2-1
		SFF-50-1.5-2
N-KF4A	Ø4.2	SYV-50-2-2
		SFF-50-2-2
N-KF5	Ø5.2	SYV-50-3
N-KF7	Ø10.5	SYV-50-7-1
N-KF8	Ø11.5	SFT-50-7-2
N-KF12	Ø5.2	SYV-75-3
N-KF13	Ø7.3	SYV-75-5-1/2
N-KF15	Ø10.5	SYV-75-7
N-KF16	Ø12.8	SYV-75-9
N-KF21	Ø6.5	SDV-4
N-KF27	Ø7.3	SYV-50-5-1
N-KF28	Ø8.1	SYV-50-5-2

PC BOARD LAYOUT

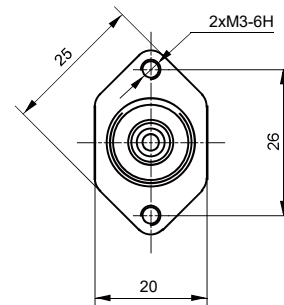
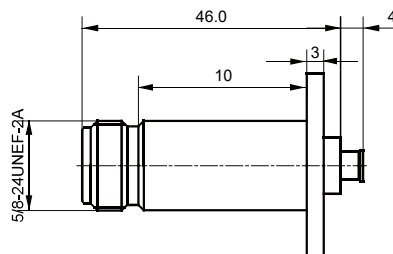


Type	D	Cable
N-KFB2-1	Ø2.2	SFT-50-2-1
N-KFB3-7	Ø3.6	SFT-50-3-1

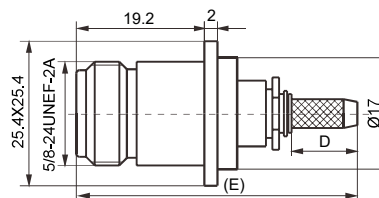
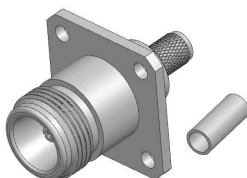
N-KFB2-1



N-KF3Y-1



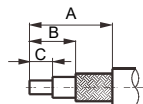
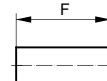
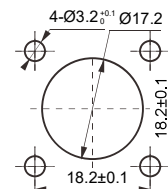
N-KFB3-1



PC BOARD LAYOUT

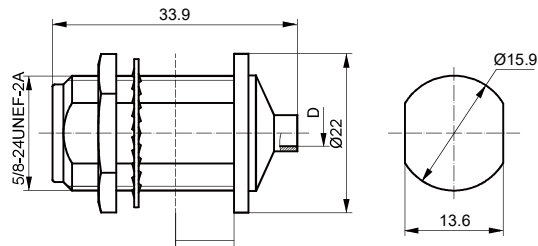
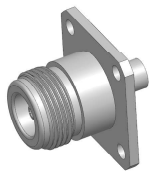
CLAMP

CABLE STRIPPING SIZE



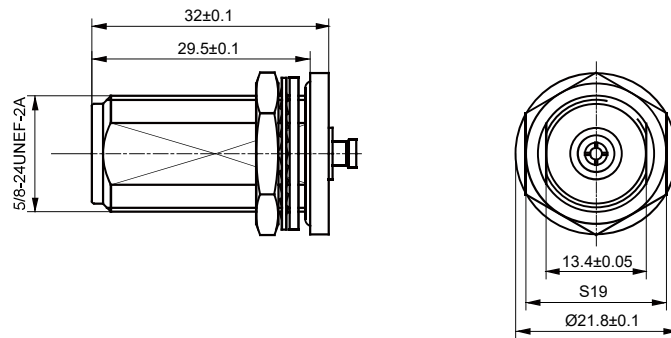
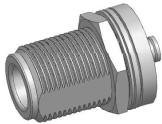
Type	A	B	C	D	E	F	Cable
N-KF4AY	20	10	5	8	36.9	10	SYV-50-2-2
							SFF-50-2-2
N-KF5Y-1	20	10	5	10	36.9	12	SYV-50-3
N-KF12Y	20	10	5	10	36.9	12	SYV-75-3

N-KF4AY

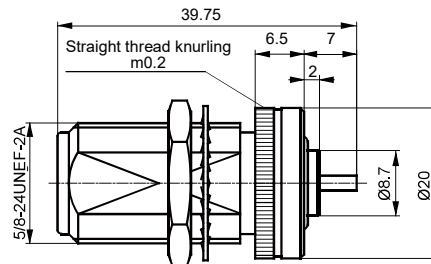


Type	D	A	Cable
N-KYB2-1	Ø2.2	5	SFT-50-2-1
N-KYB3-4	Ø3.6	4	SFT-50-3-1

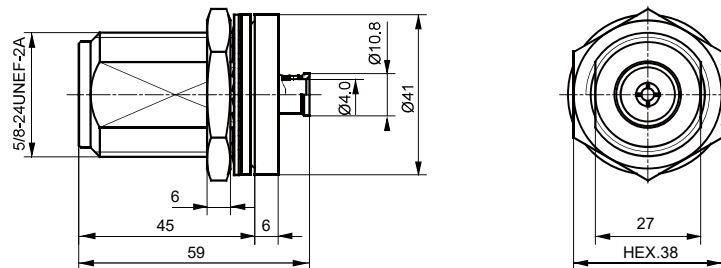
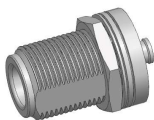
N-KYB2-1



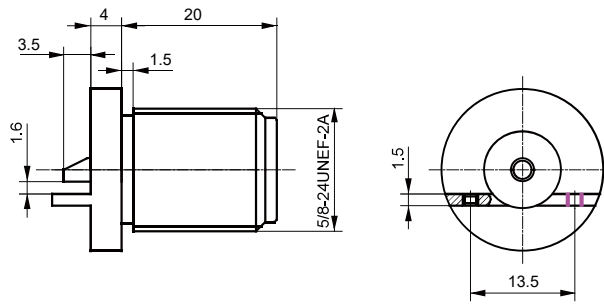
N-KYB2



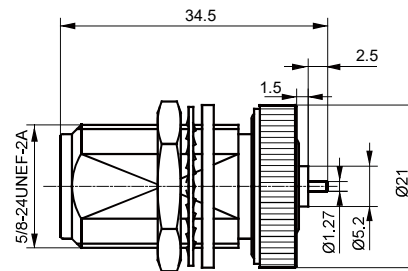
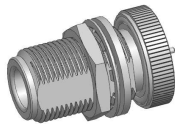
N-KYPD



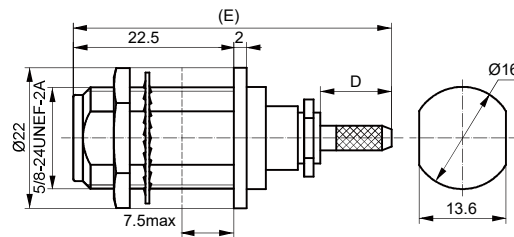
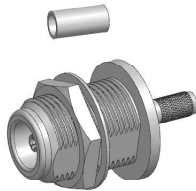
N-KYB3



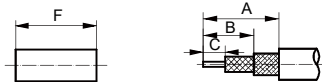
N-KHD



N-KYPD-1

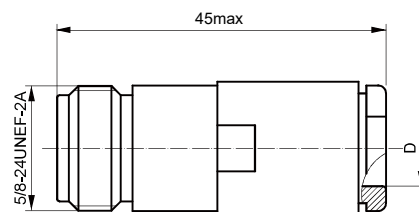


CLAMP CABLE STRIPPING SIZE

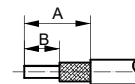


Type	A	B	C	D	E	F	Cable
N-KY3Y-1	20	10	5	5.4	37.8	6.5	SYV-50-2-1
N-KY4AY-1	20	10	5	8	40.8	10	SYV-50-2-2 SFF-50-2-2
N-KY5Y	20	10	5	10	42.8	12	SYV-50-3

N-KY3Y-1

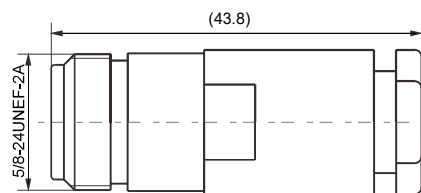


CABLE STRIPPING SIZE

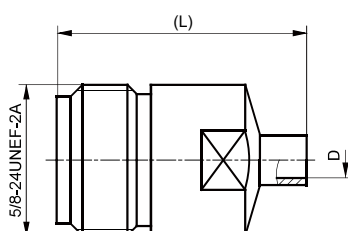


Type	D	A	Cable
N-K4A	Ø4.2	5	SYV-50-2-2 SFF-50-2-2
N-K5	Ø5.2	5	SYV-50-3
N-K7	Ø10.5	5	SYV-50-7-1
N-K28	Ø8.1	5	SYV-50-5-2
N-K8	Ø11.5	5	SYV-50-7-2

N-K4A



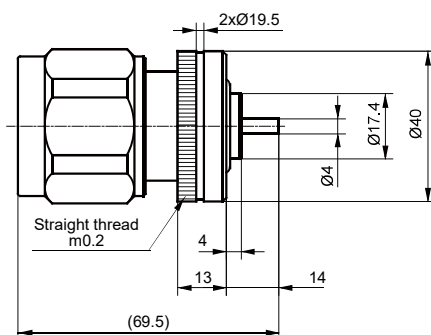
N-K302



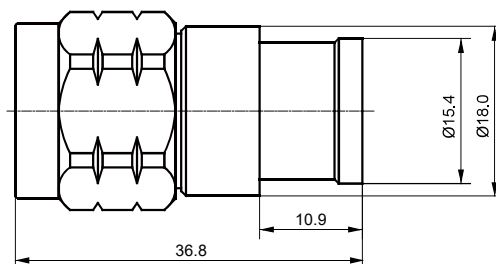
A diagram of a cantilever beam. It is represented by a horizontal line with a vertical line at the left end indicating a fixed support. The total length of the beam is labeled 'A' with a dimension line above it. The right end of the beam is free, indicated by a small circle.

Type	D	A	L	Cable
N-KB2	Ø2.2	5	25.4	SFT-50-2-1
N-KB3-2	Ø3.6	4	27	SFT-50-3-1

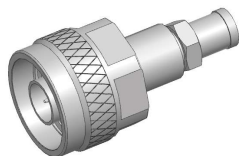
N-KB2



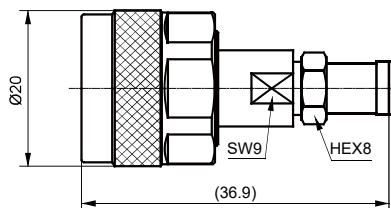
N-JPD



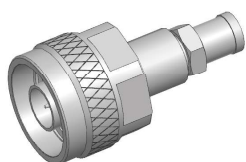
N-J533



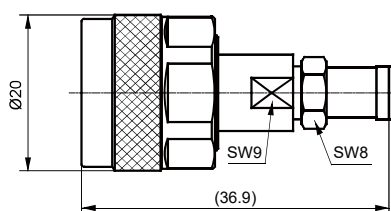
N-J141G-1



Type	Cable	Notes
N-J141G	CLL50141 or equivalent cable	Stainless steel



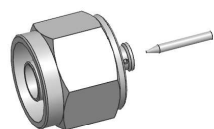
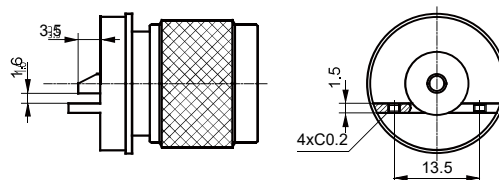
N-J5AG



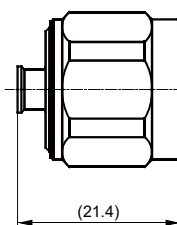
Type	Cable	Notes
N-J5AG	RG142 or equivalent cable	Stainless steel



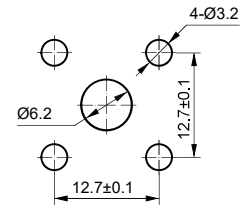
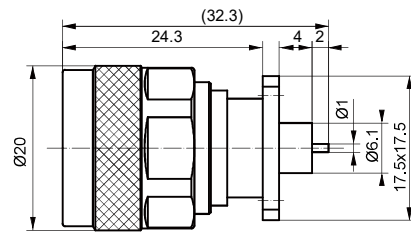
N-JHD



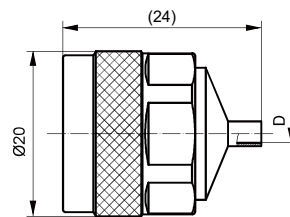
N-JB3-2



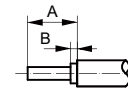
Type	Cable	Notes
N-JB3-2	RG402 or equivalent cable	/



N-JFD-8

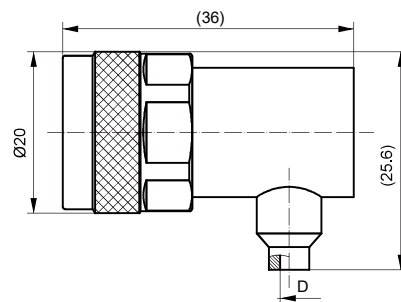


CABLE STRIPPING SIZE

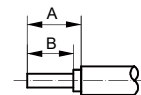


Type	D	A	B	Cable
N-JB2	Ø2.2	4	1	SFT-50-2-1
N-JB3-3	Ø3.6	3.6	0	SFT-50-3-1
N-JB5	Ø6.1	5	0	SFT-50-5.2
N-JB401	Ø6.5	4.5	0	RG401

N-JB2

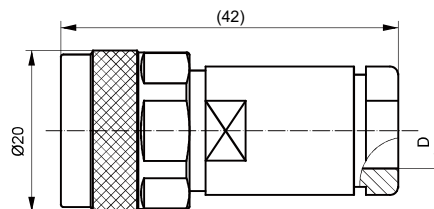


CABLE STRIPPING SIZE

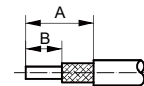


Type	D	A	B	Cable
N-JWB2	Ø2.2	7.2	4.7	SFT-50-2-1
N-JWB3-1	Ø3.6	7.2	4.7	SFT-50-3-1

N-JWB2



CABLE STRIPPING SIZE



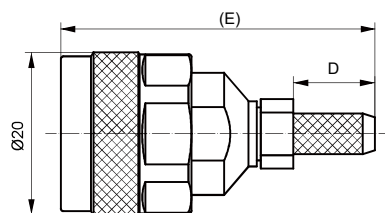
Type	D	A	B	Cable
N-J4A	Ø4.2	10	5	SYV-50-2-2 SFF-50-2-2
N-J5	Ø5.3	10	5	SYV-50-3
N-J7	Ø10.5	10	5	SYV-50-7-1
N-J8	Ø11.5	10	5	SYV-50-7-2
N-J12	Ø5.2	10	5	SYV-75-3
N-J27	Ø7.4	10	5	SYV-50-5-1
N-J28	Ø8.2	10	5	SYV-50-5-2

N-J4A

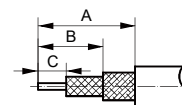




N-J3Y



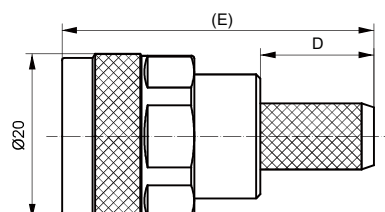
CABLE STRIPPING SIZE



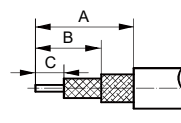
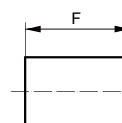
Type	A	B	C	D	E	F	Cable
N-J3Y	20	10	5	5.4	32.3	6.5	SFF-50-1.5-2
N-J4AY	20	10	5	8	34.5	10	SFF-50-2-2 SYV-50-2-2
N-J5Y-1	20	10	5	10	36.5	15	SYV-50-3



N-J7Y



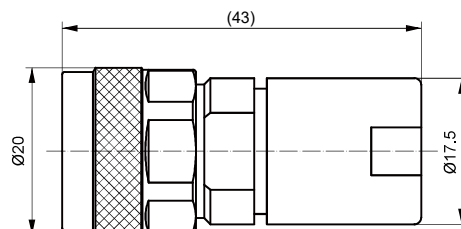
CLAMP CABLE STRIPPING SIZE



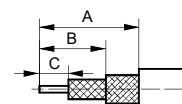
Type	A	B	C	D	E	F	Cable
N-J7Y	20	10	5	10	32.1	16	SYV-50-7-1
N-J8Y	20	10	5	10	32.1	16	SYV-50-7-2
N-J27Y	20	10	5	8.3	30.4	10.5	SYV-50-5-1
N-J28Y	20	10	5	8.3	30.4	10.5	SYV-50-5-2



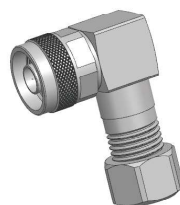
N-J301



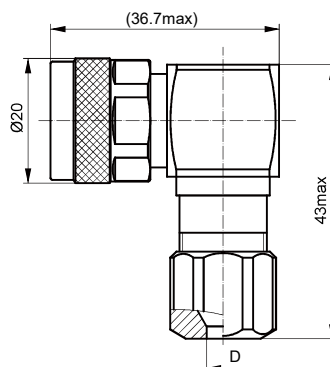
CABLE STRIPPING SIZE



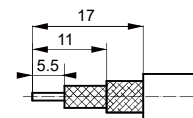
Type	D	A	B	D	Cable
N-J301	Ø5.5	14	11	8	SUJ-50-3-5
N-J302	Ø7.7	14	11	8	SUJ-50-5-5
N-J608	Ø11.2	14	11	8	SUJ-50-7-5



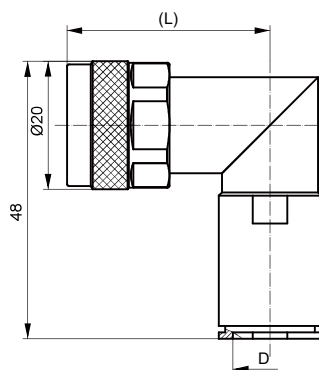
N-JW3



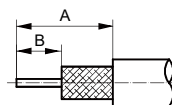
CABLE STRIPPING SIZE



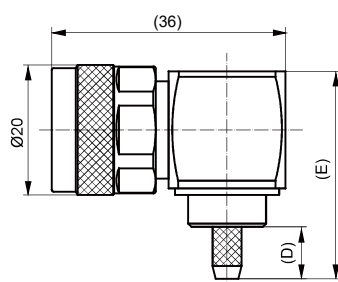
Type	D	Cable	Type	D	Cable
N-JW3	Ø3	SYV-50-2-1	N-JW12	Ø5.2	SYV-75-3
		SFF-50-1.5-1	N-JW13	Ø7.3	SYV-75-5-1/2
N-JW4A	Ø4.2	SYV-50-2-2	N-JW15	Ø10.5	SYV-75-7
		SFF-50-2-2	N-JW16	Ø12.8	SYV-75-9
N-JW5	Ø5.3	SYV-50-3	N-JW21	Ø6.5	SDY-4
N-JW7	Ø10.5	SYV-50-7-1	N-JW27	Ø7.3	SYV-50-5-1
N-JW8	Ø11.5	SYV-50-7-2	N-JW28	Ø8.2	SYV-50-5-2



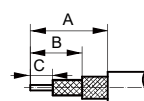
CABLE STRIPPING SIZE



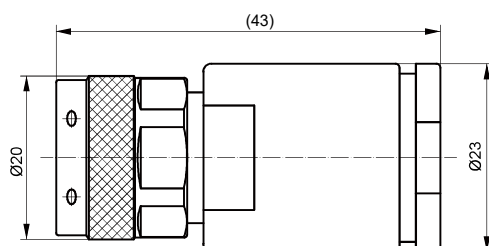
Type	D	A	B	L	Cable
N-JW5-1	Ø5.3	15	5	31.4	SYV-50-3
N-JW7-1	Ø10.5	15	5	34.8	SYV-50-7-1



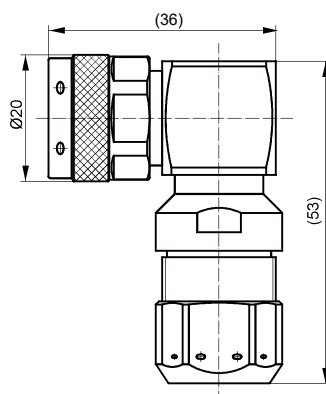
CLAMP CABLE STRIPPING SIZE



Type	A	B	C	D	E	F	Cable
N-JW4AY	20	10	5	8	31.6	10	SYV-50-2-2
							SFF-50-2-2
N-J5Y-1	20	10	5	8.3	31.9	12	SYV-50-3
N-JW27Y	20	10	5	8.3	31.9	10.5	SYV-50-5-1
N-JW28Y	20	10	5	8.3	31.9	10.5	SYV-50-5-2

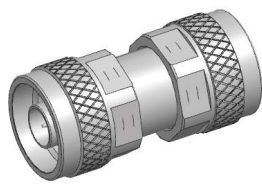


Cable:SYV-50-12

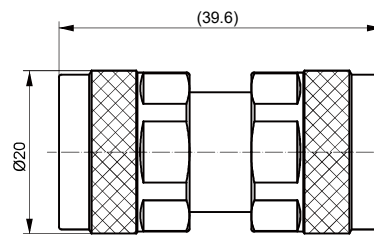


Cable:SYV-50-9

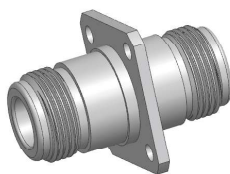
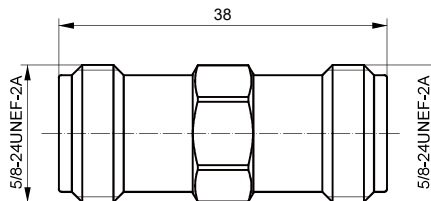




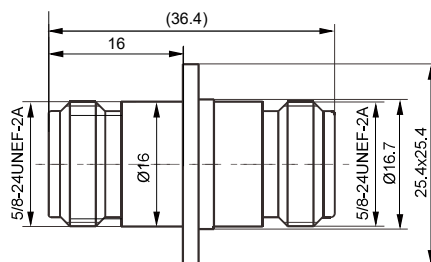
N-50JJ



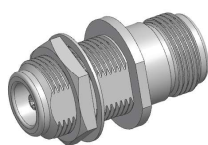
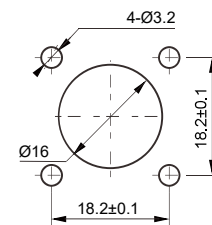
N-50KK



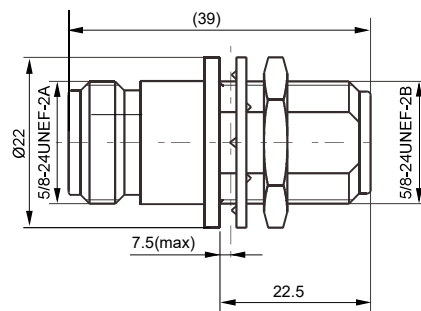
N-KFK-1



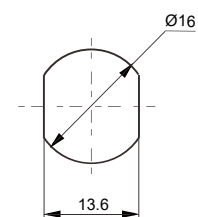
PC BOARD LAYOUT

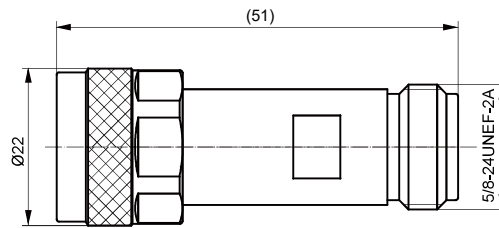


N-KYK

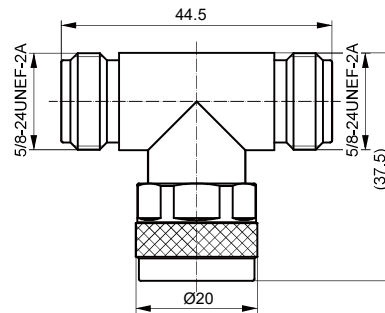
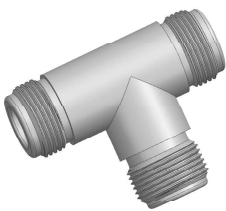


PC BOARD LAYOUT

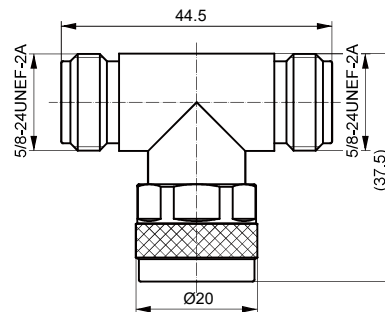




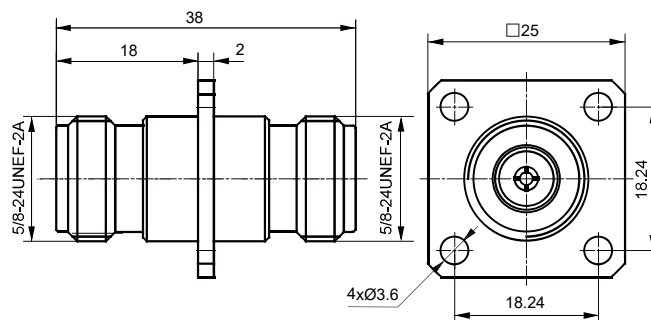
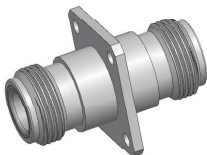
N-JK



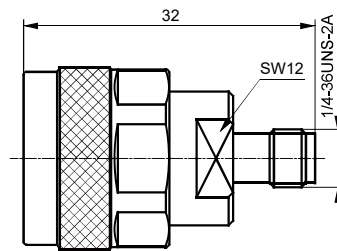
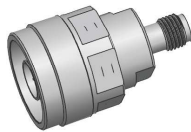
N-KKK



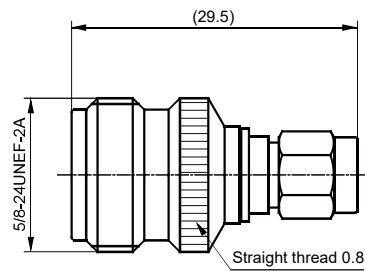
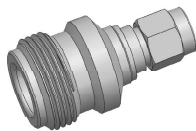
N-KJK



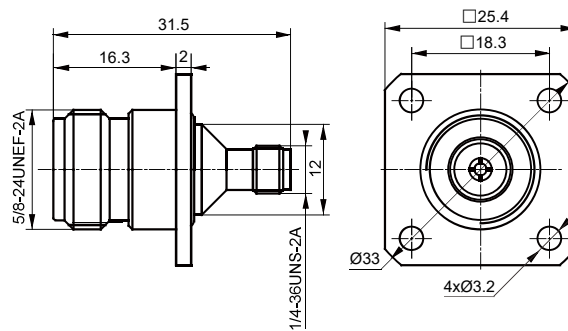
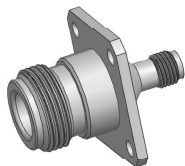
N-KFK



N-SMA-JK



N-SMA-KJ



N-SMA-KFK

TNC series

RF Coaxial Connector

FEATURES

- Developed according to the US military standard MIL-C-39012, A Small and Medium Power RF Connector with a Threaded Connection Mechanism
- Strong vibration resistance, high reliability, and superior electrical and mechanical performance
- Can be compatible with international TNC series connector products
- Widely used for the transmission of radio frequency signals in radio equipment and instruments

TECHNICAL PARAMETER

Temperature: : - 65~+165°C

Impedance: 50Ω

Frequency: DC~11GHz

VSWR: ≤1.30(直式)

Insulation resistance: ≥5000MΩ

Dielectric strength: 1500V(rms)

Operating Voltage: 500V(rms)

Contact resistance: Center content: ≤2mΩ;

Outer contact: ≤0.2mΩ

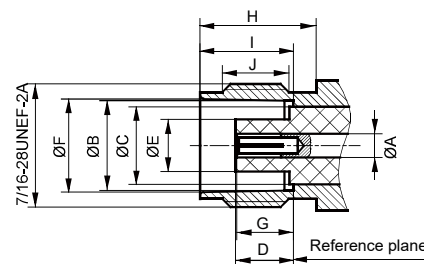
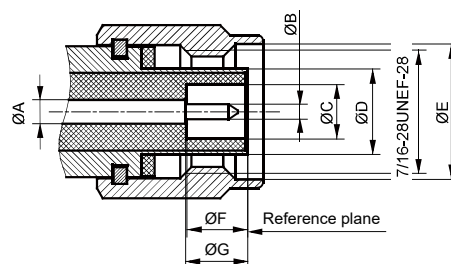
Mechanical endurance: 500 ops

IMPLEMENTATION CRITERIA

IEC 60169-17 GB/T 11313.1



INTERFACE DIMENSIONS

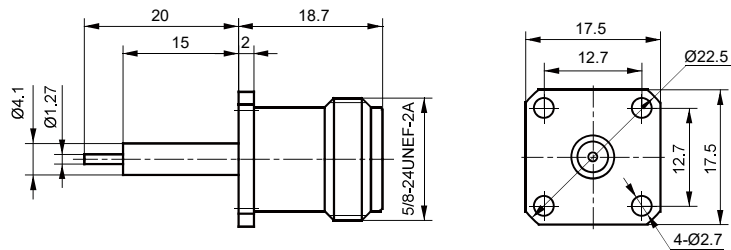


Male connector

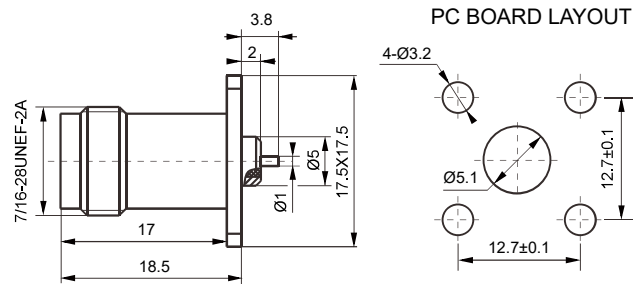
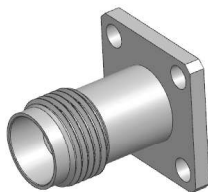
	Min(mm)	Max(mm)
A	2.14 Nominal value	
B	1.32	1.37
C	4.83	/
D	/	8.18
E	11.18	/
F	5.28	5.79
G	5.33	5.84

Female connector

	Min(mm)	Max(mm)
A	2.14 Nominal value	
B	8.10	8.15
C	/	6.50
D	4.78	5.28
E	/	4.72
F	8.31	8.46
G	4.72	5.23
H	10.52	/
I	8.31	8.51
J	10.52	/

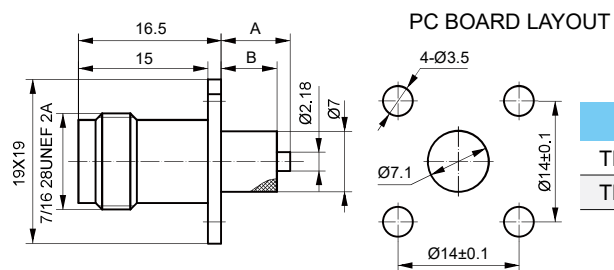
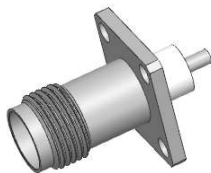


TNC-KFDG



PC BOARD LAYOUT

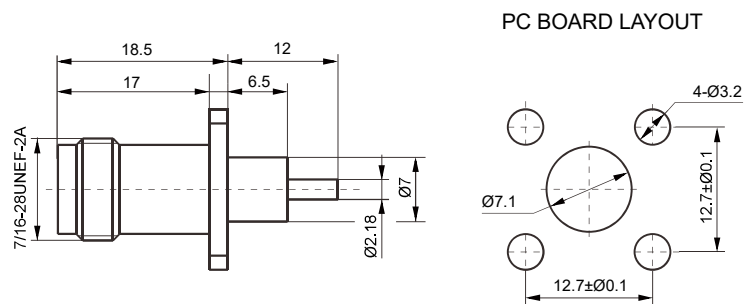
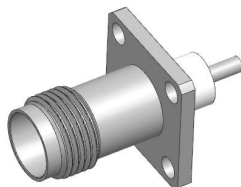
TNC-KFD-5



PC BOARD LAYOUT

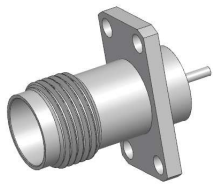
Type	A	B
TNC-KFD-7	8	6.47
TNC-KFD-8	9.5	5.47

TNC-KFD-7

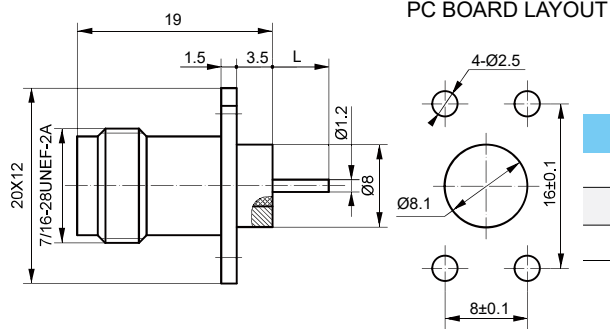


PC BOARD LAYOUT

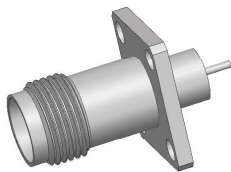
TNC-KFD-10



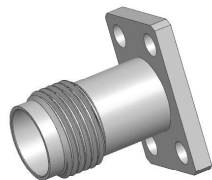
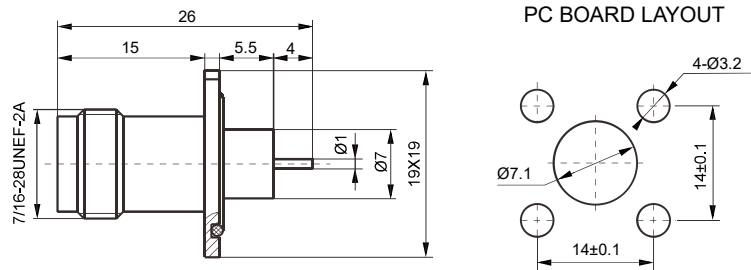
TNC-KFD-12



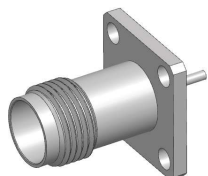
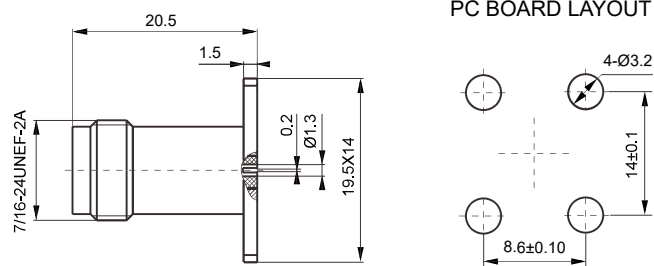
Type	L
TNC-KFD-12	2
TNC-KFD-13	9
TNC-KFD-14	5



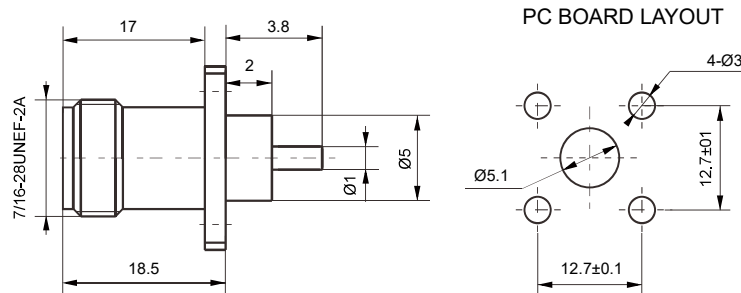
TNC-KFD-15

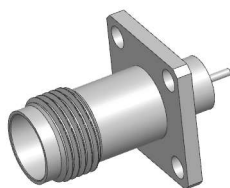


TNC-KFD-18

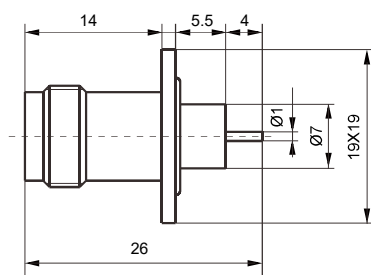


TNC-KFD-22

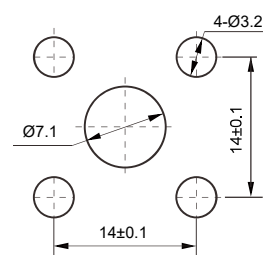




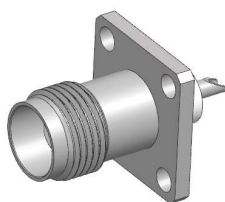
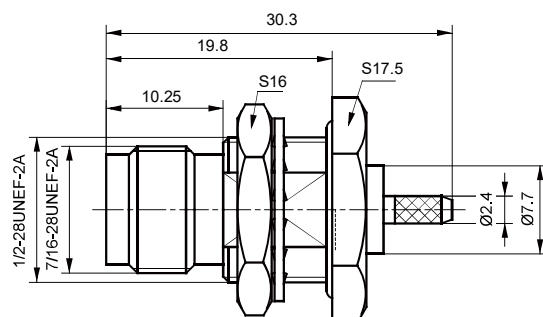
TNC-KFD-21



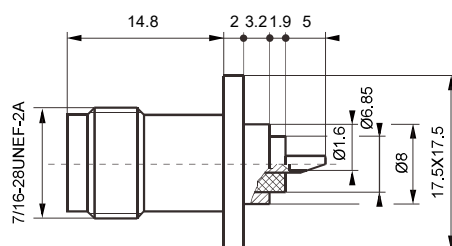
PC BOARD LAYOUT



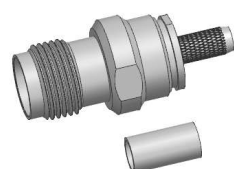
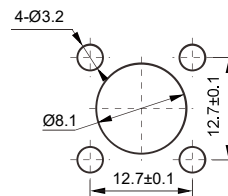
TNC-KY3Y



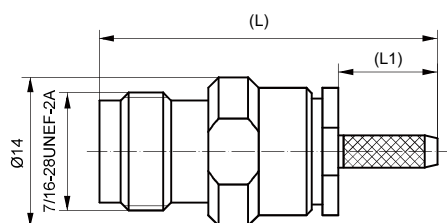
TNC-KF



PC BOARD LAYOUT

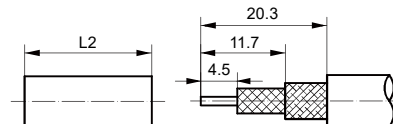


TNC-K4AY

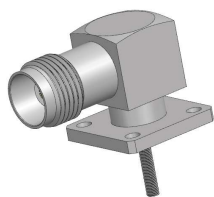


CLAMP

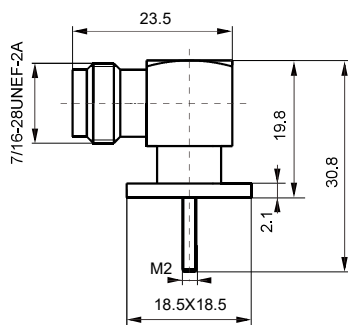
CABLE STRIPPING SIZE



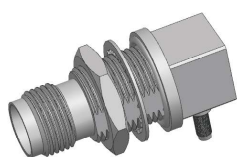
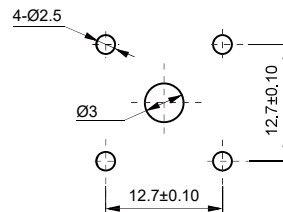
Type	L	L1	L2	Cable
TNC-K4AY	32	8.3	10	SFF-50-2-2
				SYV-50-2-2
TNC-K5Y	32	8.3	9.7	SFF-50-3-1
				SYV-50-3



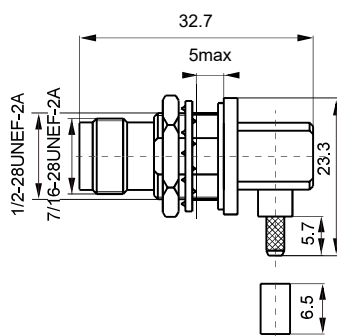
TNC-KWFD



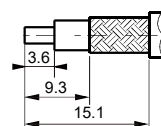
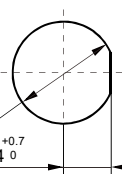
PC BOARD LAYOUT



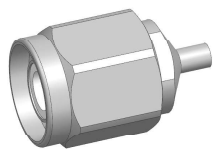
TNC-KYW3Y



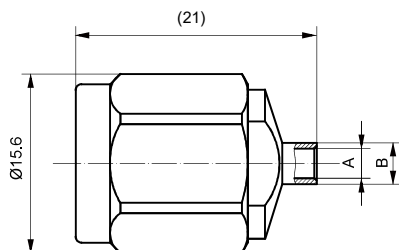
PC BOARD LAYOUT CABLE STRIPPING SIZE



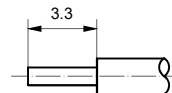
Type	Cable
TNC-KYW3Y	SFF-50-1.5-1
	SYV-50-2-1



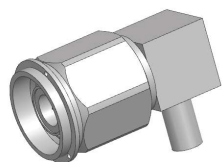
TNC-JB2



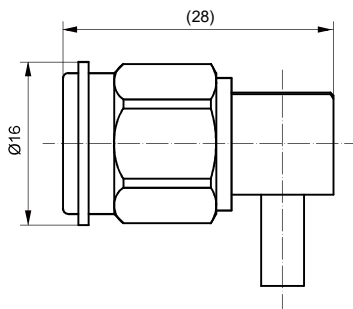
CABLE STRIPPING SIZE



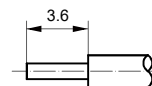
Type	A	B	Cable
TNC-JB2	Ø2.2	Ø3.0	SFT-50-2-1
TNC-JB3-1	Ø3.6	Ø4.6	SFT-50-3-1



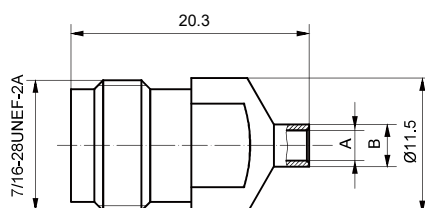
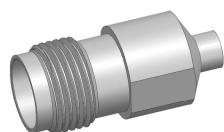
TNC-JWB3



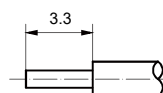
CABLE STRIPPING SIZE



Type	Cable
TNC-JWB3	SFT-50-3-1

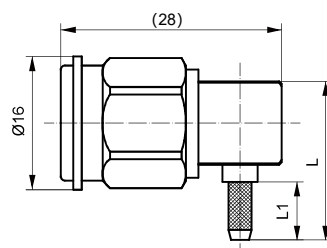
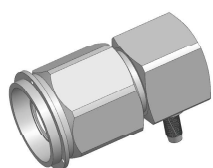


CABLE STRIPPING SIZE



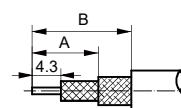
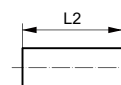
Type	A	B	Cable
TNC-KB2	Ø2.2	Ø3.0	SFT-50-2-1
TNC-KB3	Ø3.6	Ø4.6	SFT-50-3-1

TNC-KB2



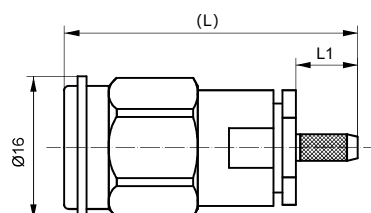
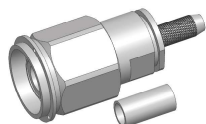
CLAMP

CABLE STRIPPING SIZE



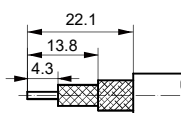
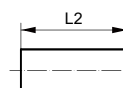
Type	L	L1	L2	A	B	Cable
TNC-JW3Y	23.1	15.7	6.5	6.3	16.3	SFF-50-1.5-1
						SYV-50-2-1
TNC-JW4AY	24.8	8.3	10	5.4	18	SFF-50-2-2
						SYV-50-2-2
TNC-JW5Y	24.8	8.3	12	5.4	18	SFF-50-3-1
						SYV-50-3
TNC-JW6Y	23.3	8.3	13.5	5.4	18	SFF-50-5

TNC-JW3Y



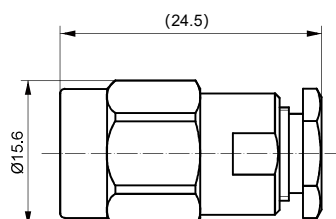
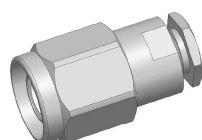
CLAMP

CABLE STRIPPING SIZE



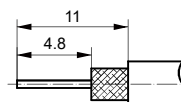
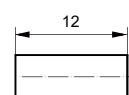
Type	L	L1	L2	Cable
TNC-J4AY	32.9	8	10	SFF-50-2-2
				SYV-50-2-2
TNC-J5Y	33.5	8.3	9.7	SYV-50-3

TNC-J4AY



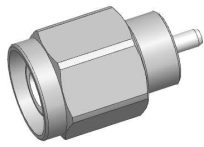
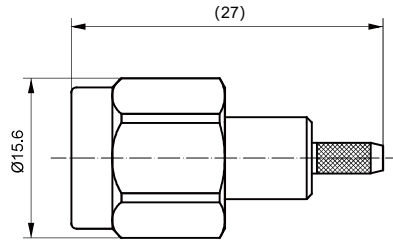
CLAMP

CABLE STRIPPING SIZE

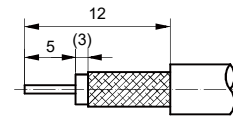


Type	Cable
TNC-J5-3	SUV-50-3-5

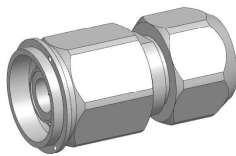
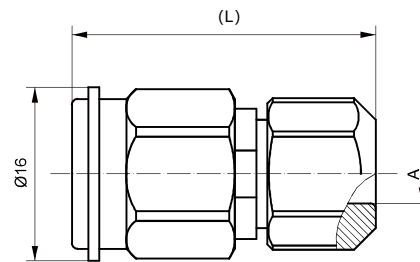
TNC-J5-3

**TNC-J3Y-1**

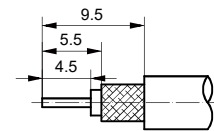
CABLE STRIPPING SIZE



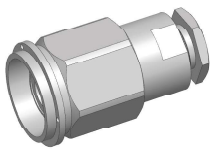
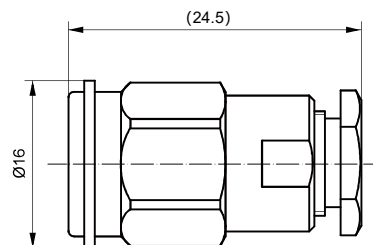
Type	Cable
TNC-J3Y-1	SYV-50-2-1
	SFF-50-1.5-1

**TNC-J4A**

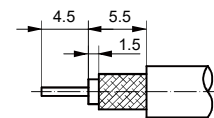
CABLE STRIPPING SIZE



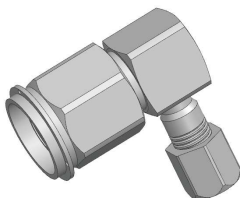
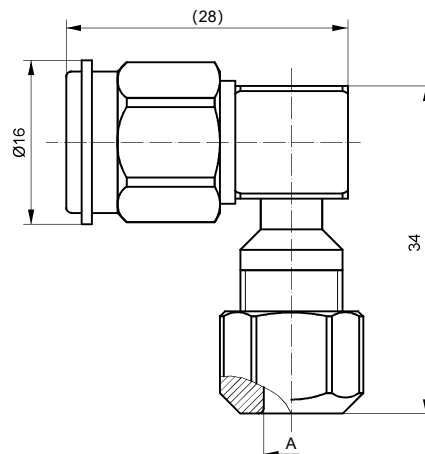
Type	A	L	Cable
TNC-J4A	Ø4.2	30	SFF-50-2-2
			SYV-50-2-2
TNC-J5	Ø5.2	30	SFF-50-3-1
			SYV-50-3
TNC-J3-1	Ø3	24.7	SFF-50-1.5-1
			SYV-50-2-1

**TNC-J5-1**

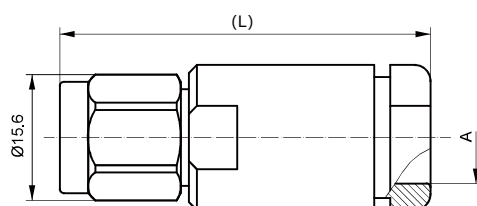
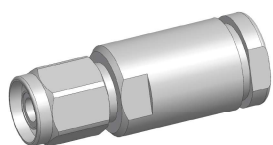
CABLE STRIPPING SIZE



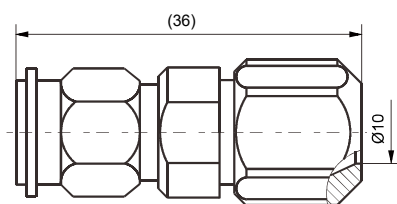
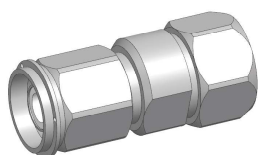
Type	Cable
TNC-J5-1	SYV-50-3-5

**TNC-JW3**

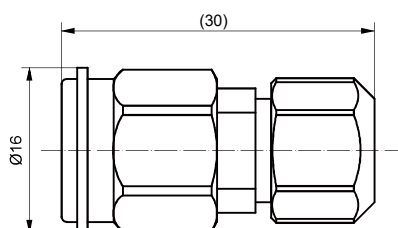
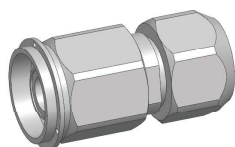
Type	A	Cable
TNC-JW3	Ø3	SFF-50-1.5-1
		SYV-50-2-1
TNC-JW4A	Ø4.2	SFF-50-2-2
		SYV-50-2-2
TNC-JW5	Ø5.2	SFF-50-3-1
		SYV-50-3



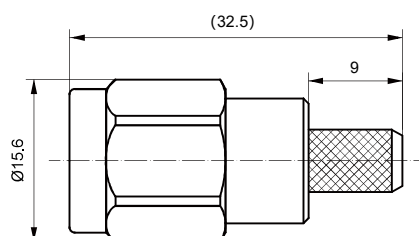
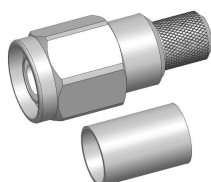
Type	A	L	Cable
TNC-J7	Ø10.5	45	SYV-50-7-1
TNC-J8	Ø11.5	45	SYV-50-7-2
TNC-J27	Ø7.4	47	SYV-50-5-1

TNC-J7

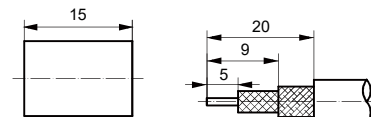
Type	Cable
TNC-J6A	SYV-50-5

TNC-J6A

Type	Cable
TNC-J301	SUJ-50-3-5

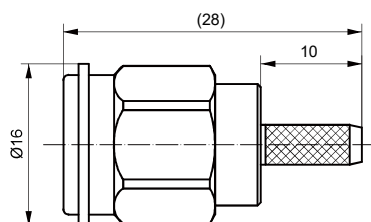
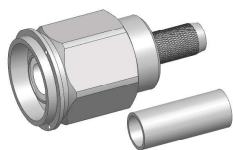
TNC-J301

CLAMP CABLE STRIPPING SIZE



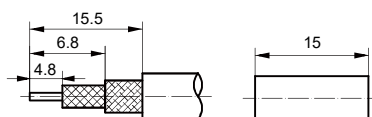
Type	Cable
TNC-J601Y	LMR-400

TNC-J601Y



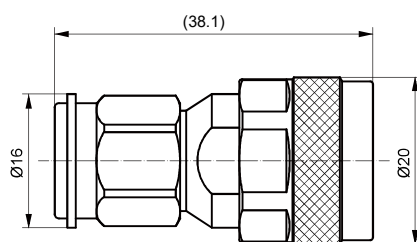
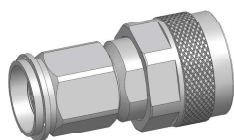
CABLE STRIPPING SIZE

CLAMP

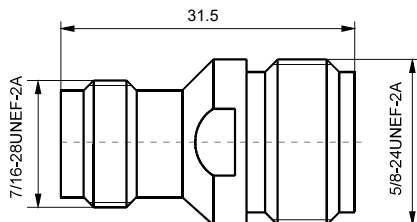
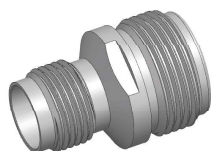


Type	Cable
TNC-J7AY	SFCF-50-5-5

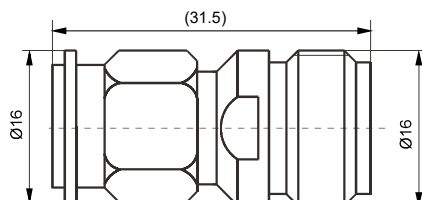
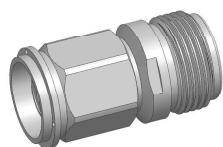
TNC-J7AY



N/TNC-JJ

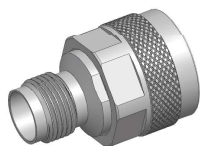


N/TNC-KK

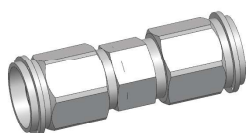
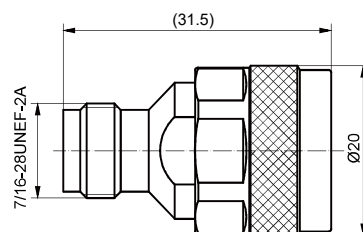


N/TNC-KJ

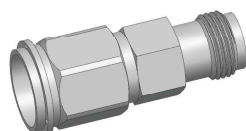
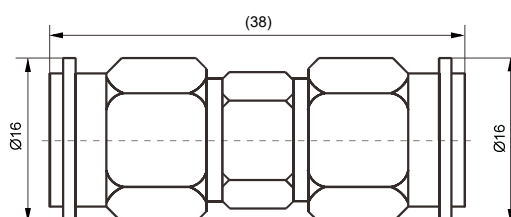




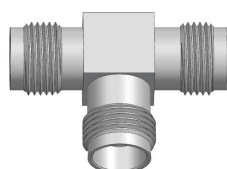
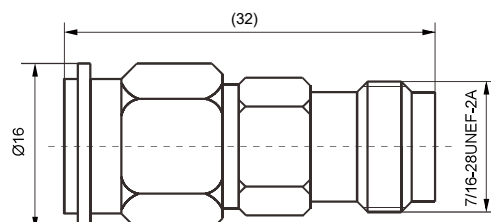
N/TNC-JK



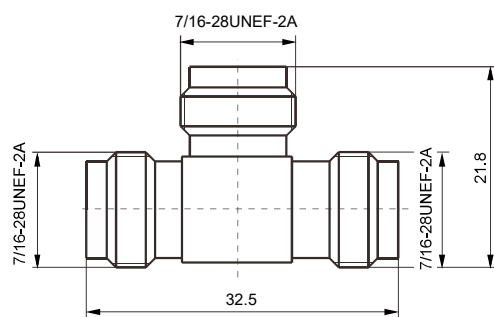
TNC-JJ

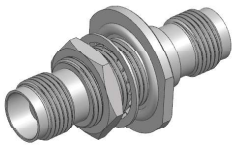


TNC-JK

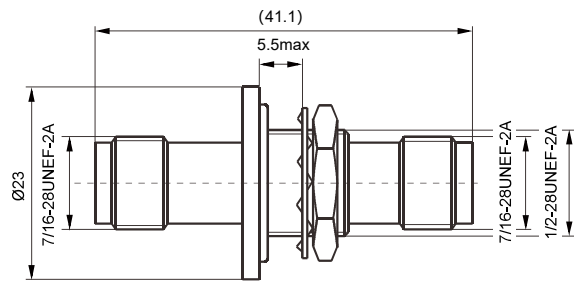


TNC-KKK

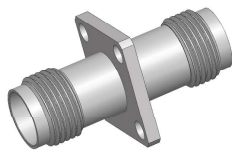
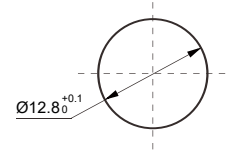




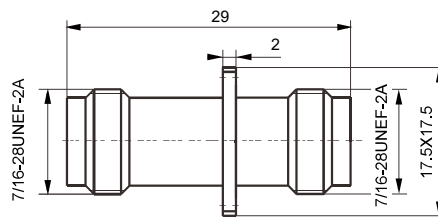
TNC-KYK



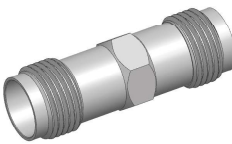
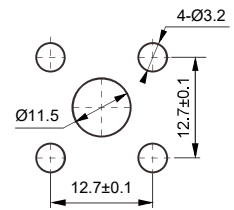
PC BOARD LAYOUT



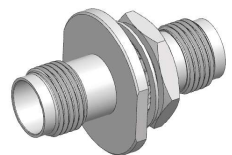
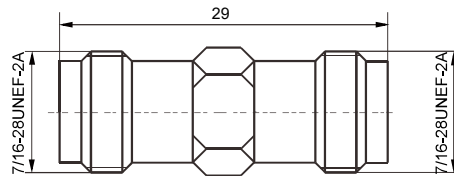
TNC-KFK



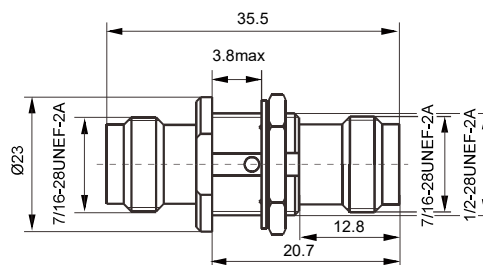
PC BOARD LAYOUT



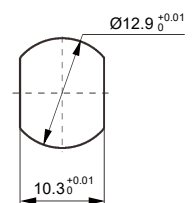
TNC-KK

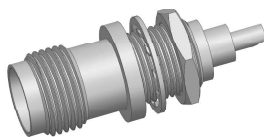
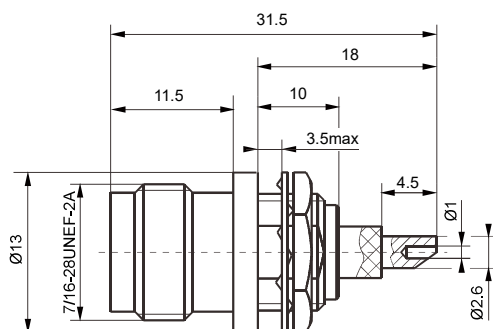
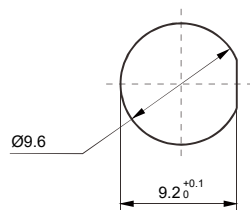


TNC-KYK-1



PC BOARD LAYOUT



**TNC-KY-1****PC BOARD LAYOUT**

BNC series

RF Coaxial Connector

FEATURES

- A bayonet connector developed according to the US military standard MIL-C-39012/16-24
- Fast connection, high reliability
- Can be compatible with international BNC series connector products
- Widely used for the transmission of radio frequency signals in radio equipment and instruments

TECHNICAL PARAMETER

Temperature: - 55~+155°C

Impedance: 50Ω、75Ω

Frequency: DC~4GHz

VSWR: ≤1.30(Straight)

Insulation resistance: ≥5000MΩ

Dielectric strength: 1500V(rms)

Operating Voltage: 500V (rms)

Contact resistance: Center content: ≤2mΩ
Outer contact: ≤2.5mΩ

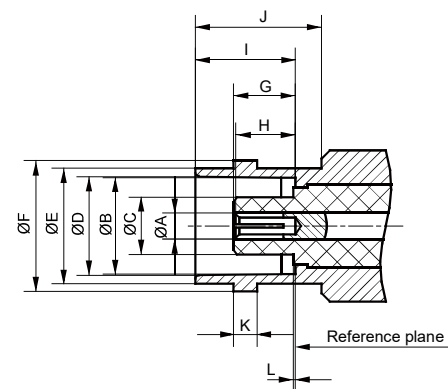
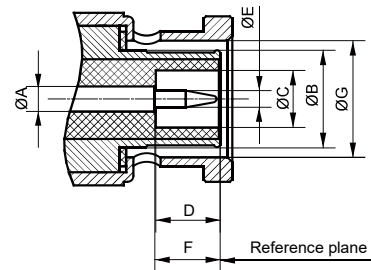
Mechanical endurance: 500 OPS

IMPLEMENTATION CRITERIA

IEC 61169-8 GB/T 11313.8



INTERFACE DIMENSIONS

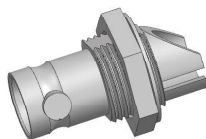
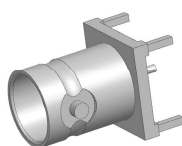
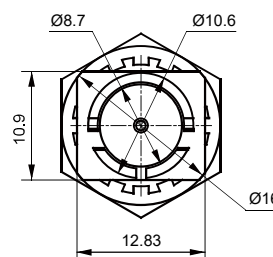
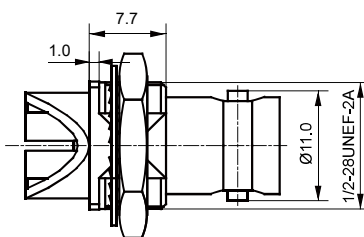
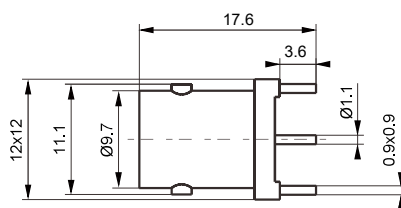
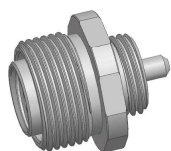
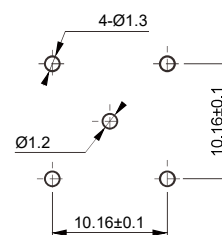
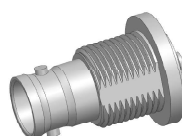
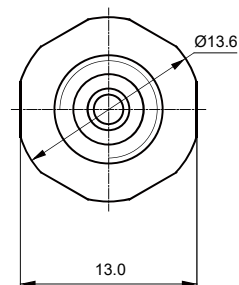
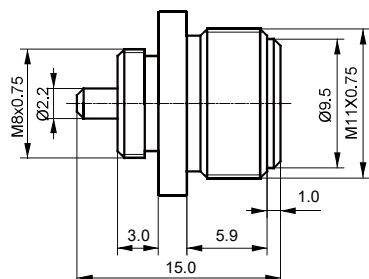
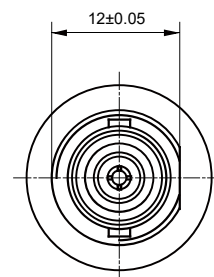
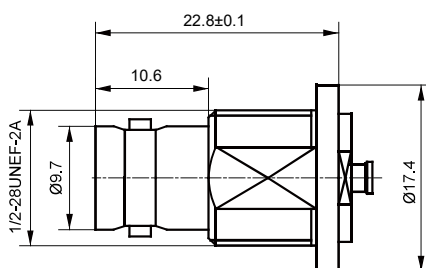


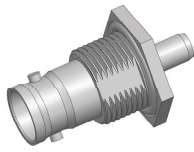
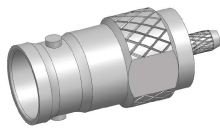
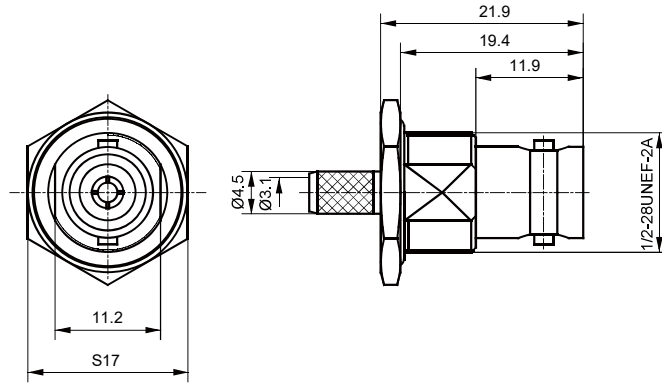
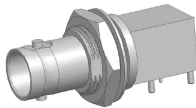
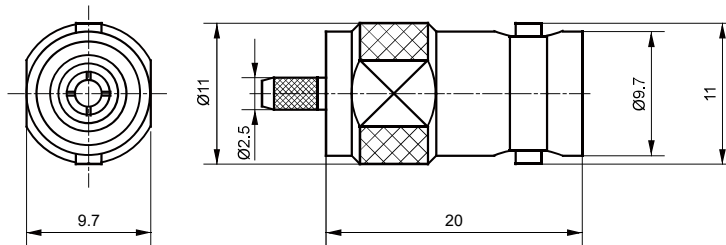
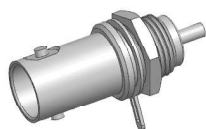
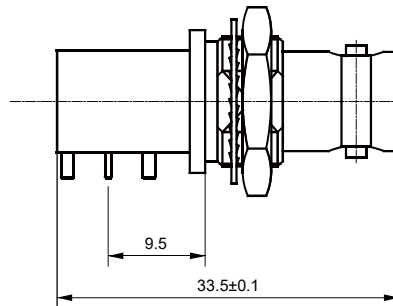
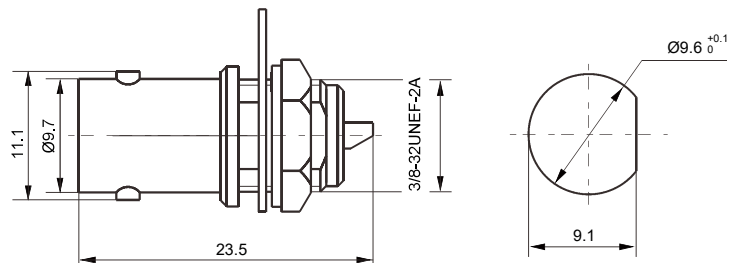
Male connector

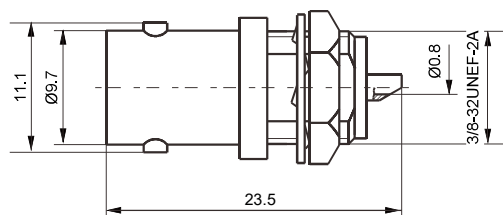
	Min(mm)	Max(mm)
A	2.14 Nominal value	
B	/	/
C	4.83	/
D	5.28	/
E	1.32	1.37
F	5.33	/
G	9.78	9.91

Female connector

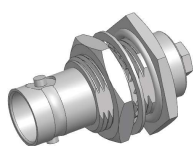
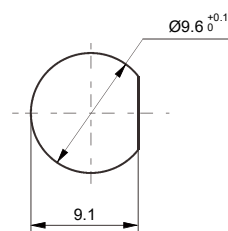
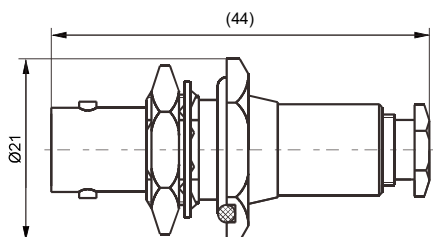
	Min(mm)	Max(mm)
A	2.14 Nominal value	
B	8.10	8.15
C	/	4.72
D	8.31	8.46
E	9.6	9.7
F	10.97	11.07
G	4.55	5.23
H	/	5.28
I	8.31	8.51
J	10.52	/
K	1.91	2.05
L	/	0.15

**BNC-75KHE****BNC-KHD****PC BOARD LAYOUT****BNC-KYD-1****BNC-KYB1**

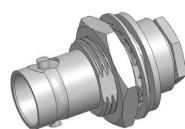
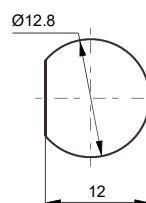
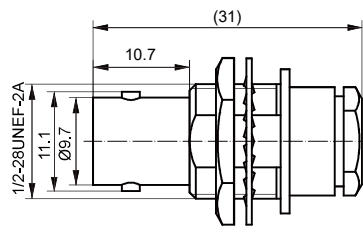
**BNC-75KY12Y****BNC-K3Y****BNC-75KYWE****BNC-KY-1**

**BNC-75KY**

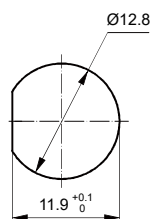
PC BOARD LAYOUT

**BNC-KY2-1**

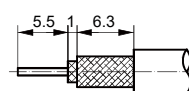
PC BOARD LAYOUT

**BNC-KY4A**

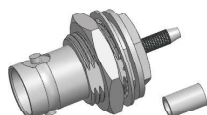
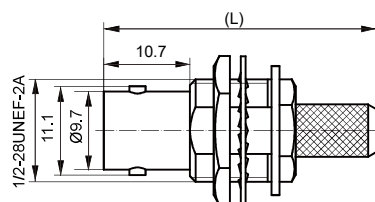
PC BOARD LAYOUT



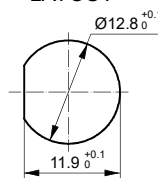
CABLE STRIPPING SIZE



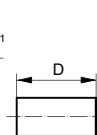
Type	Cable
BNC-KY4A	SYV-50-2-2, SFF-50-2-2
BNC-KY5	SYV-50-3

**BNC-KY2Y**

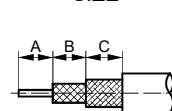
PC BOARD LAYOUT



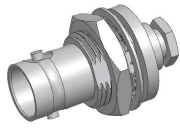
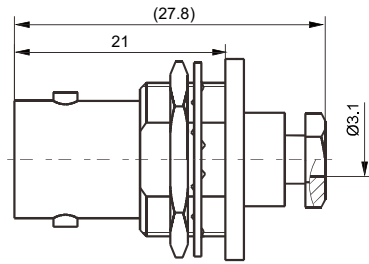
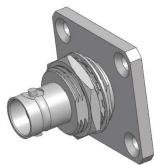
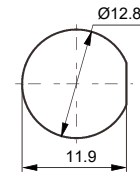
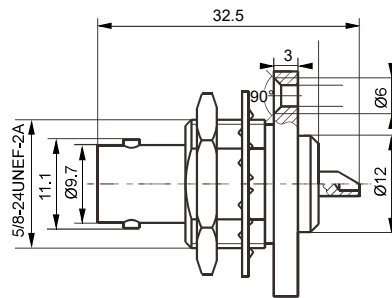
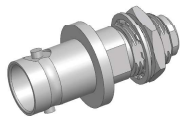
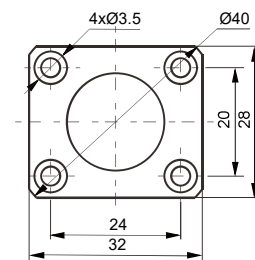
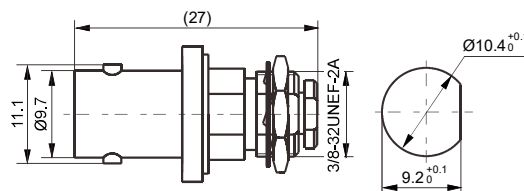
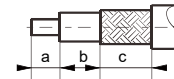
CLAMP



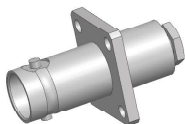
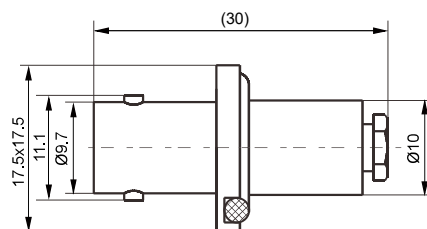
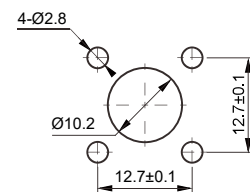
CABLE STRIPPING SIZE

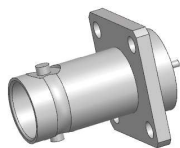


Type	L	A	B	C	D	Cable
BNC-KY2Y	30	2.4	11	5.6	6.5	SFF-50-1
						SYV-50-1
BNC-KY3Y	30	2.4	11	5.6	6.5	SFF-50-1.5-1
						SYV-50-2-1
BNC-KY4AY	35.5	5.5	5	4.5	10	SFF-50-2-2
						SYV-50-2-2
BNC-KY5Y	35.5	5.5	5	4.5	12	SYV-50-3

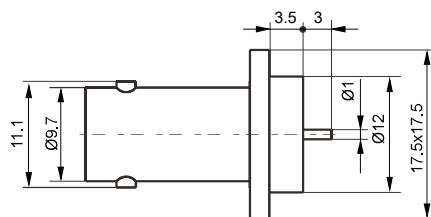
**BNC-KY3-1****PC BOARD LAYOUT****BNC-KYF****FLANGE SIZE****BNC-KY3-2****PC BOARD LAYOUT****CABLE STRIPPING SIZE**

Type	a	b	c	Cable
BNC(S)-KY3	4.2	0	6	SFF-50-1.5-1
				SYV-50-2-1

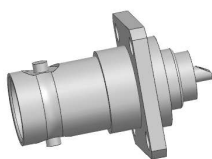
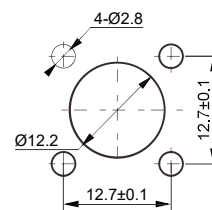
**BNC-KF3-1****PC BOARD LAYOUT**



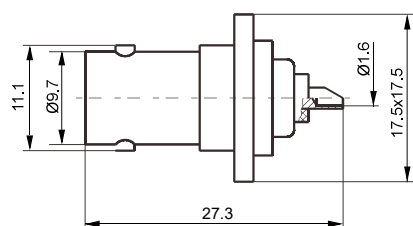
BNC-KFD-5



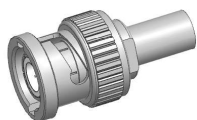
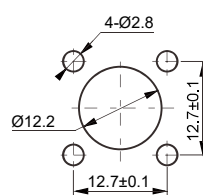
PC BOARD LAYOUT



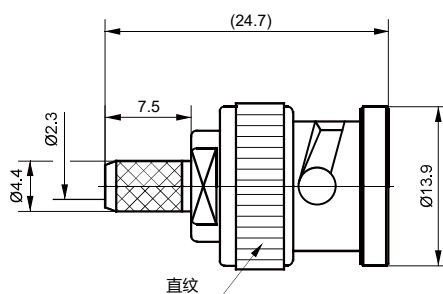
BNC-KF



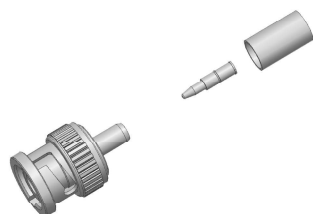
PC BOARD LAYOUT



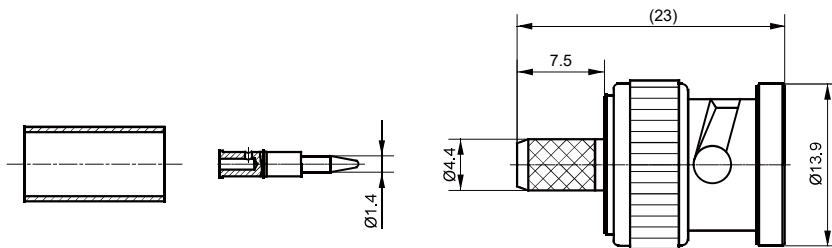
BNC-J4Y

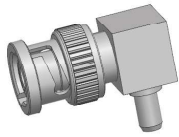
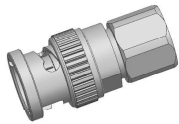
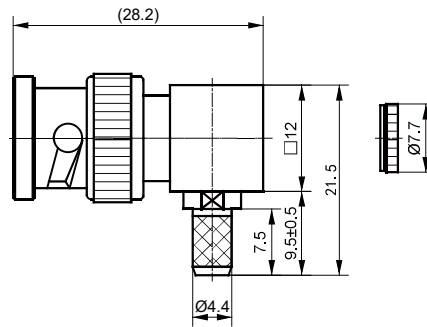
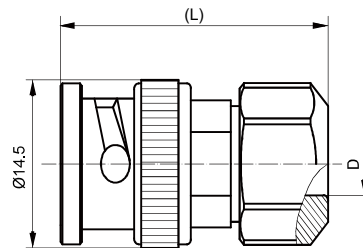


直纹

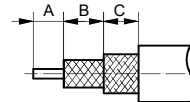


BNC-J5AY

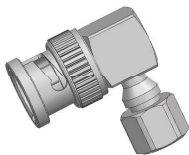
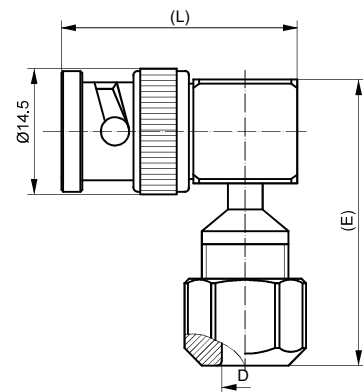


**BNC-JW5AY****BNC-J3**

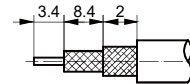
CABLE STRIPPING SIZE



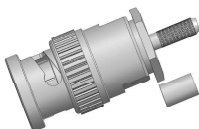
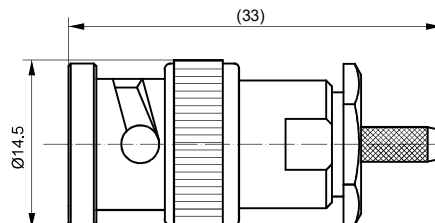
Type	D	L	A	B	C	Cable
BNC-J3	Ø3.1	31.1	5.5	0.7	7	SFF-50-1.5-1
						SYV-50-2-1
BNC-J4A	Ø4.2	31.1	5.5	0.7	7	SFF-50-2-2
						SYV-50-2-2
BNC-J5	Ø5.2	31.1	5.5	0.7	7	SYV-50-3
BNC-J12	Ø6.2	35	7	1	8	SYV-75-3
BNC-J13	Ø7.4	35	7	1	8	SYV-75-5-1
						SYV-75-5-2

**BNC-JW3**

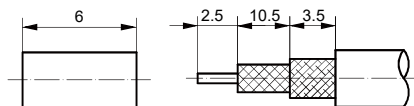
CABLE STRIPPING SIZE



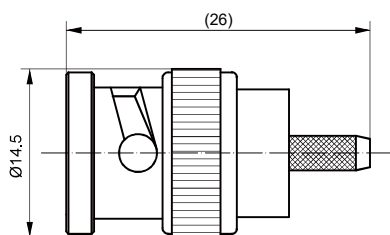
Type	D	E	L	Cable
BNC-JW3	Ø3.1	31.5	26	SFF-50-1.5-1
				SYV-50-2-1
BNC-JW4A	Ø4.2	27.4	26	SFF-50-2-2
				SYV-50-2-2
BNC-JW5	Ø5.2	27.4	26	SYV-50-3
BNC-JW12	Ø5.2	35	28	SYV-75-3

**BNC-J2Y**

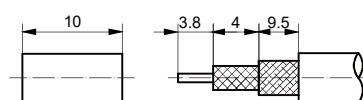
CLAMP CABLE STRIPPING SIZE



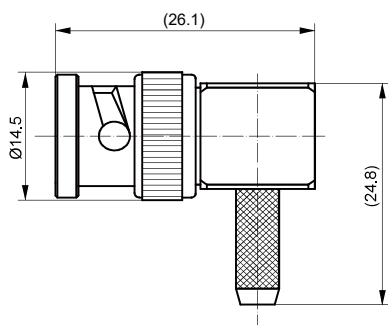
Type	Cable
BNC-J2Y	SFF-50-1, SYV-50-1
BNC-J3Y	SFF-50-1.5-1, SYV-50-2-1

**BNC-J4AY**

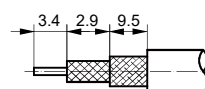
CLAMP CABLE STRIPPING SIZE



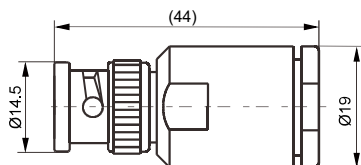
Type	Cable
BNC-J4AY	SFF-50-2-2、SYV-50-2-2
BNC-J5Y-1	SYV-50-3

**BNC-JW4AY**

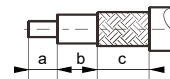
CABLE STRIPPING SIZE



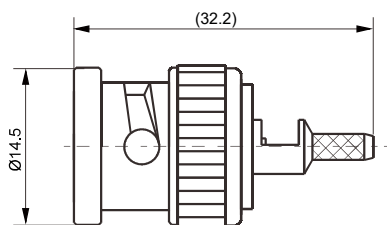
Type	Cable
BNC-JW4AY	SFF-50-2-2、SYV-50-2-2
BNC-JW5Y	SYV-50-3

**BNC-J8**

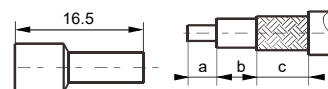
CABLE STRIPPING SIZE



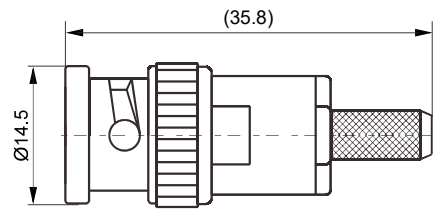
Type	a	b	c	Cable
BNC-J8	3.5	0	12	SYV-50-7-2

**BNC-75J3YA**

CLAMP CABLE STRIPPING SIZE



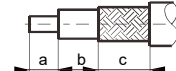
Type	a	b	c	Cable
BNC-75J3YA	2.3	2.2	5.4	SFYZ-75-2-1



CLAMP

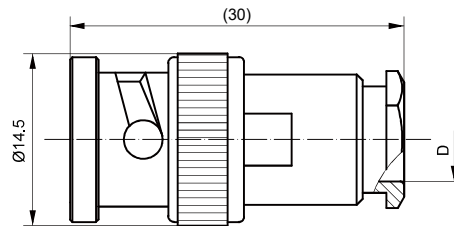


CABLE STRIPPING SIZE



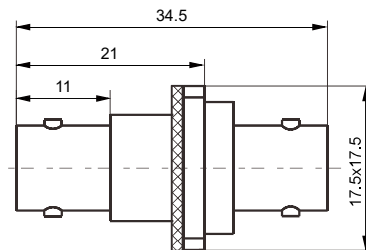
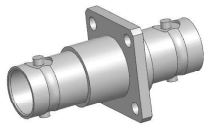
Type	a	b	c	Cable
BNC-J12Y	7.3	11.1	10	SYV-75-3

BNC-J12Y

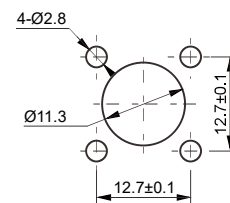


Type	D
BNC-J4A-1	Ø4.5
BNC-J-5-1	Ø5.5

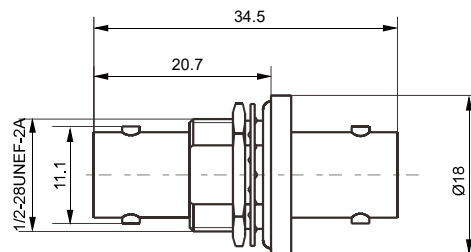
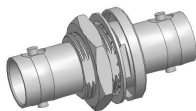
BNC-J4A-1



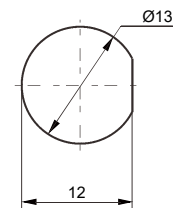
PC BOARD LAYOUT



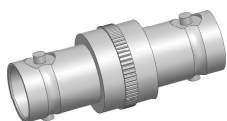
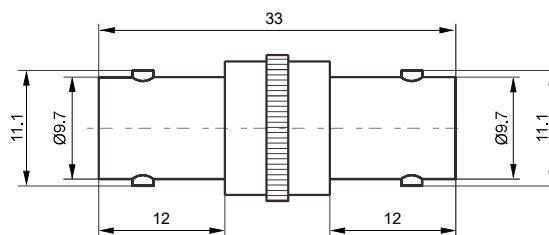
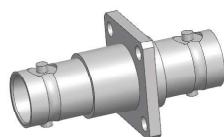
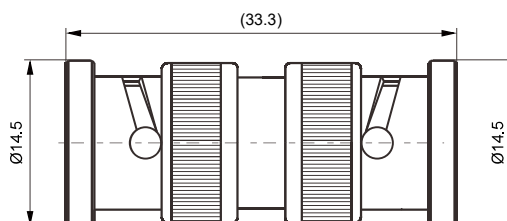
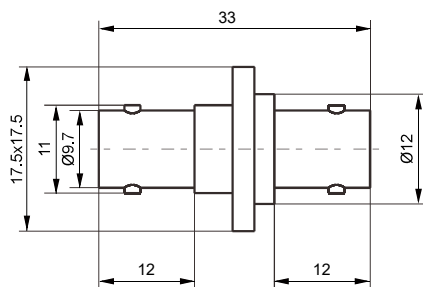
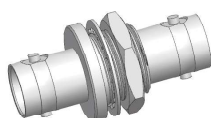
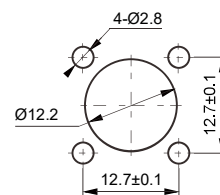
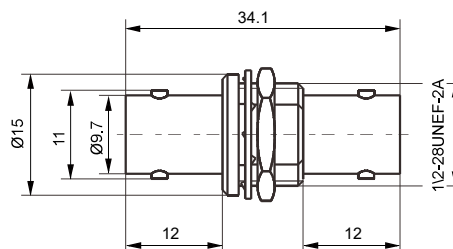
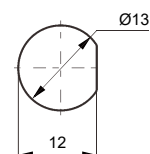
BNC-KFK



PC BOARD LAYOUT

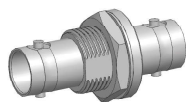
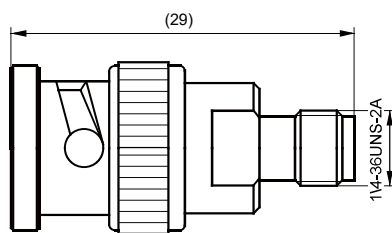


BNC-KYK-2

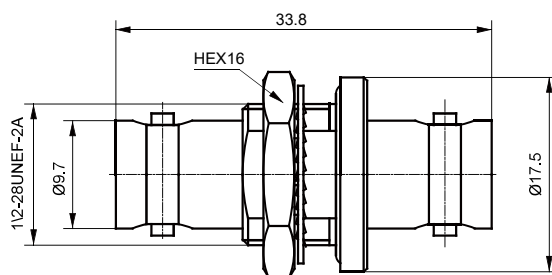
**BNC-KK****BNC-JJ****BNC-KFK-1****PC BOARD LAYOUT****BNC-KYK-3****PC BOARD LAYOUT**



BNC-SMA-JK



BNC-50KKY



SMB series

RF Coaxial Connector

FEATURES

- A small push-in RF coaxial connector developed according to the US military standard MIL-C-39012
- Small size, reliable contact, convenient maintenance, and high degree of standardization
- Widely used for the transmission of RF signals in high-frequency circuits in radio equipment and instruments

TECHNICAL PARAMETER

Temperature: - 65~+165°C

Impedance: 50Ω、75Ω

Frequency: DC~4GHz

VSWR: ≤1.35(Straight)

Insulation resistance: ≥1000MΩ

Dielectric strength: 750V(rms)

Operating Voltage: 250V(rms)

Contact resistance:

50Ω: Center content: ≤6mΩ

Outer contact: ≤1mΩ

75Ω: Center content: ≤5mΩ

Outer contact: ≤2.5mΩ

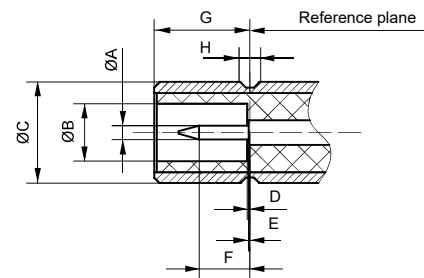
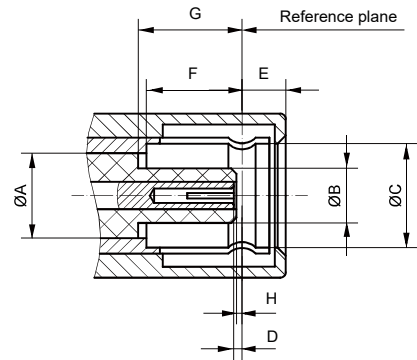
Mechanical endurance: 500 OPS

IMPLEMENTATION CRITERIA

IEC 60169-10 GB/T 11313.10



INTERFACE DIMENSIONS

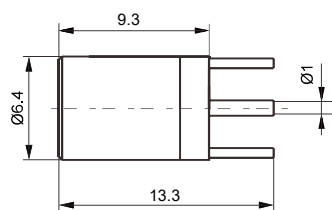
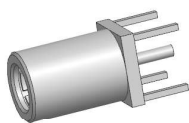


Male connector

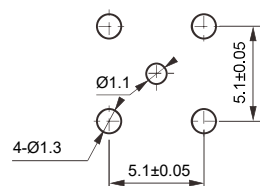
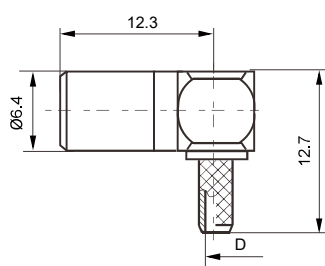
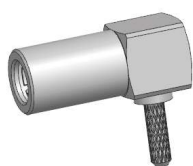
	Min(mm)	Max(mm)
A	3.05 Nominal value	
B	2	2.06
C	/	/
D	0.18	0.94
E	/	1.63
F	3.58	/
G	3.58	/
H	/	0.18

Female connector

	Min(mm)	Max(mm)
A	0.48	0.53
B	2.08	/
C	3.66	3.71
D	/	0.18
E	/	0.18
F	/	2.97
G	3.33	3.58
H	0.69	0.94

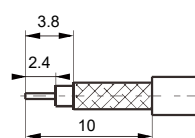
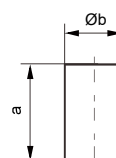
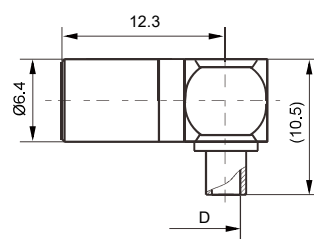
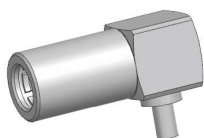


PC BOARD LAYOUT

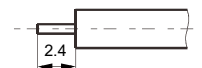
**SMB-KHD**

CLAMP

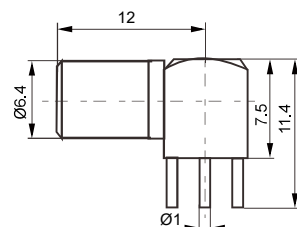
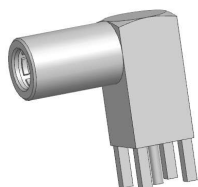
CABLE STRIPPING SIZE

**SMB-KW2Y**

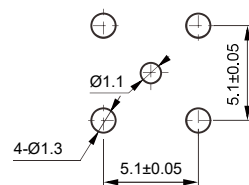
CABLE STRIPPING SIZE

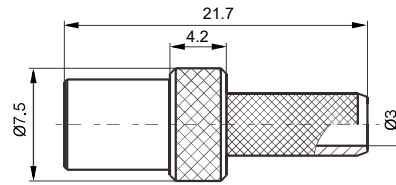
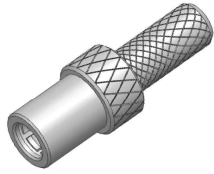


Type	D	Cable
SMB-KWB1	Ø1.2	SFT-50-1
SMB-KWB2	Ø2.2	SFT-50-2-1
SMB-KWB3	Ø3.6	SFT-50-3-1

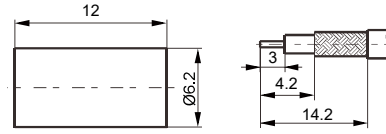
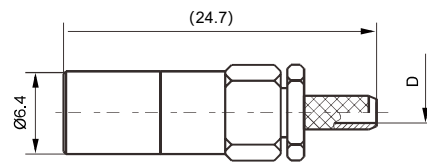
SMB-KWB1, etc

PC BOARD LAYOUT

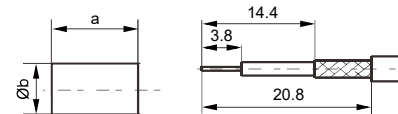
**SMB-KWHD**



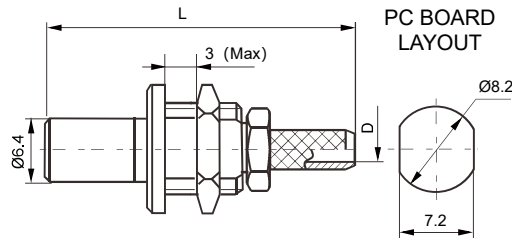
CLAMP CABLE STRIPPING SIZE

**SMB-K195**

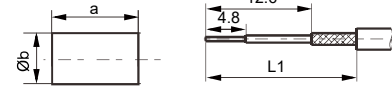
CLAMP CABLE STRIPPING SIZE



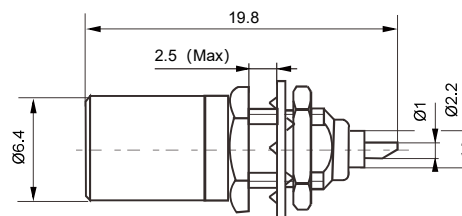
Type	A	B	D	Cable
SMB-K2A	6	3.1	Ø0.9	SFF-50-1
				SYV-50-1
SMB-K3A	6.5	3.9	Ø1.6	SFF-50-1.5-1
				SYV-50-2-1

SMB-K2Y-1, etc

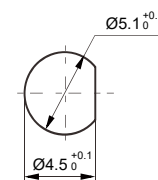
CLAMP CABLE STRIPPING SIZE

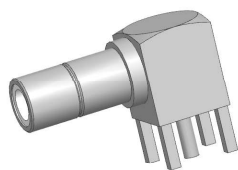


Type	A	B	L	D	L1	Cable
SMB-KY2	6	3.1	23.1	Ø0.9	18	SFF-50-1
						SYV-50-1
SMB-KY3	6.5	3.9	24.1	Ø1.6	19	SFF-50-1.5-1
						SYV-50-2-1

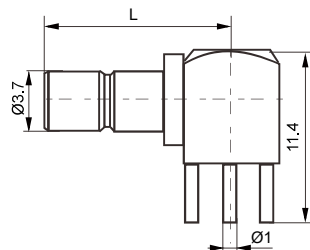
SMB-KY2Y, etc

PC BOARD LAYOUT

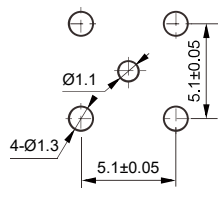
**SMB-KYD**



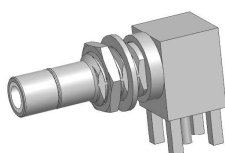
SMB-JWHD, etc



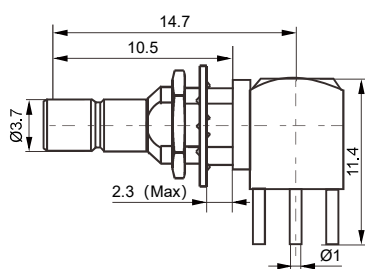
PC BOARD LAYOUT



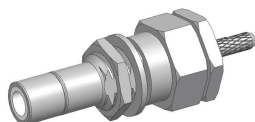
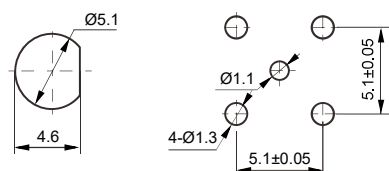
Type	L
SMB-JWHD	12.3
SMB-JWHD1	10.3
SMB-JWHD3	10.3
SMB-JWHD4	12.3



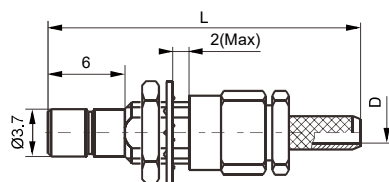
SMB-JWHY1



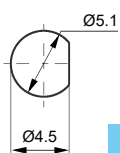
PC BOARD LAYOUT



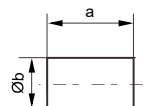
SMB-JY2Y, etc



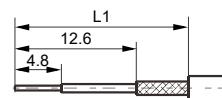
PC BOARD LAYOUT



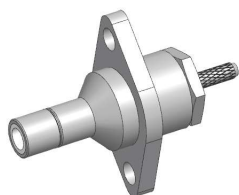
CLAMP



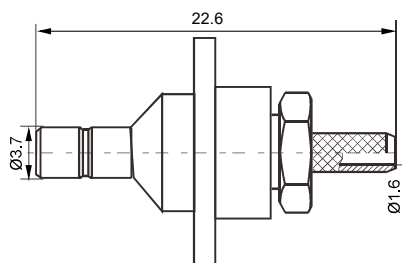
CABLE STRIPPING SIZE



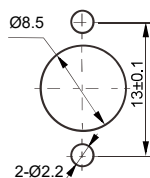
Type	A	B	L	L1	D	Cable
SMB-JY2Y	6	3.1	23.4	18	Ø0.9	SFF-50-1
						SYV-50-1
SMB-JY3Y	6.5	3.9	24.4	19	Ø1.6	SFF-50-1.5-1
						SYV-50-2-1



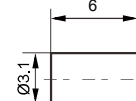
SMB-JF3Y



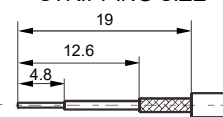
PC BOARD LAYOUT



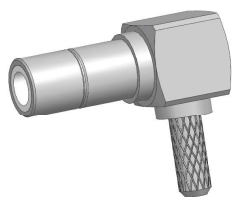
CLAMP



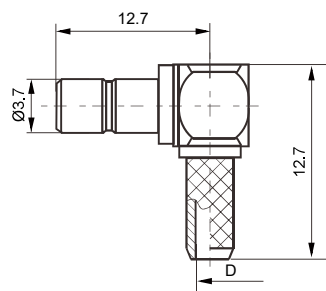
CABLE STRIPPING SIZE



Type	Cable
SMB-JF3	SFF-50-1.5-1, SYV-50-2-1

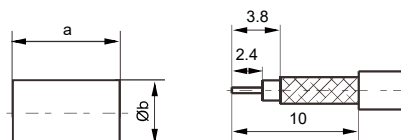


SMB-JW2Y, etc

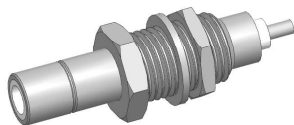


CLAMP

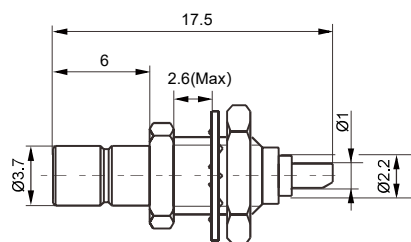
CABLE STRIPPING SIZE



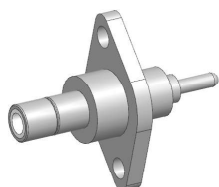
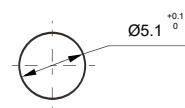
Type	A	B	D	Cable
SMB-JW2Y	6	3.1	Ø0.9	SFF-50-1
				SYV-50-1
SMB-JW3Y	6.5	3.9	Ø1.6	SFF-50-1.5-1
				SYV-50-2-1



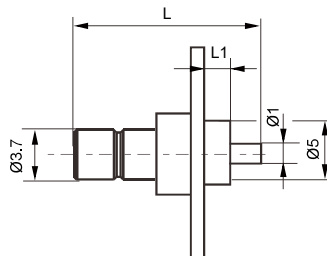
SMB-JYD



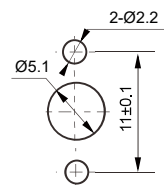
PC BOARD LAYOUT



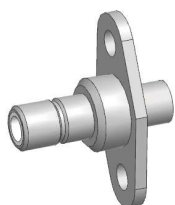
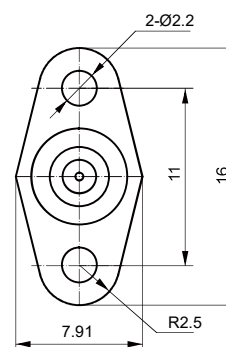
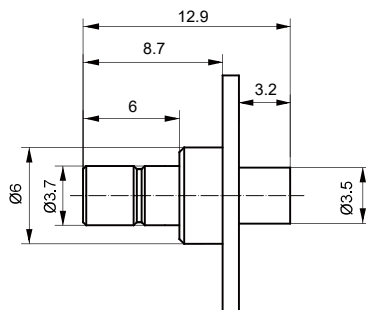
SMB-JFD, etc

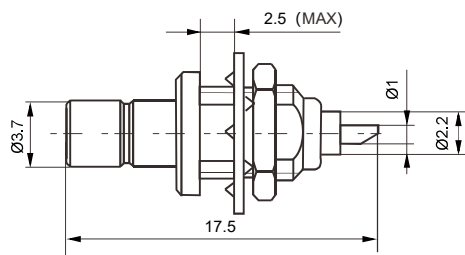
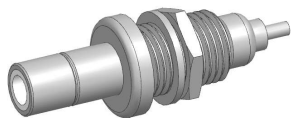


PC BOARD LAYOUT

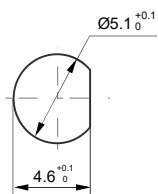
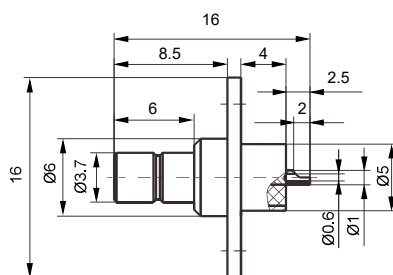
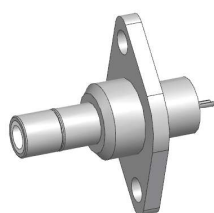


Type	L	L1
SMB-JFD	13.3	2
SMB-JFD1	17.5	2.4
SMB-JFD6	14.3	2.8
SMB-JFD7	15.3	2

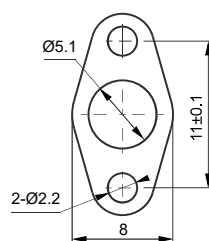
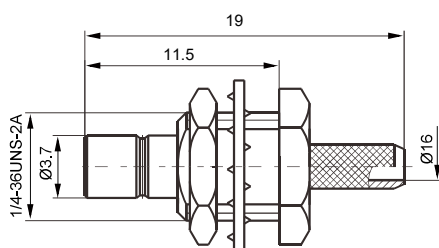
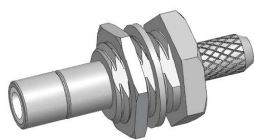
**SMB-JFB2**



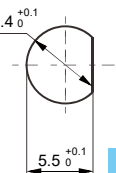
PC BOARD LAYOUT

**SMB-JYD-1**

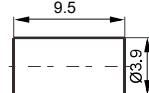
FLANGE SIZE

**SMB-JFD-4**

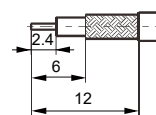
PC BOARD LAYOUT



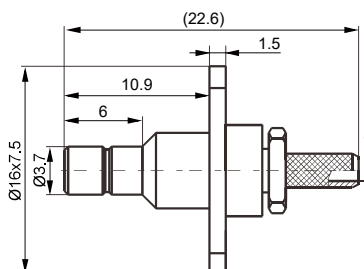
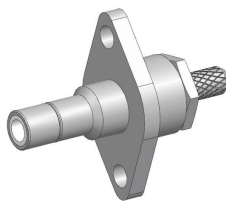
CLAMP



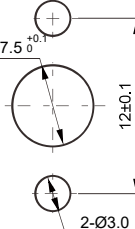
CABLE STRIPPING SIZE

**SMB-J3Y-1**

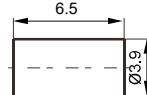
Type	Cable
SMB-J3Y-1	RG316



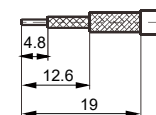
PC BOARD LAYOUT



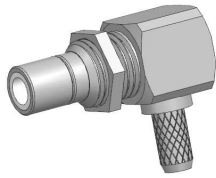
CLAMP



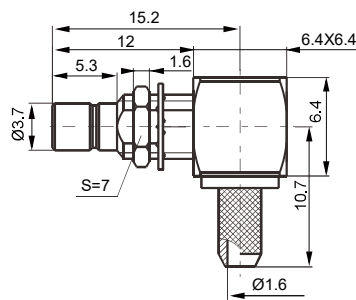
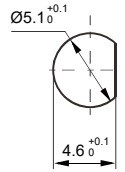
CABLE STRIPPING SIZE

**SMB-JF3Y-1**

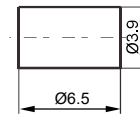
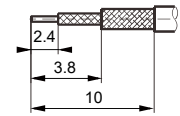
Type	Cable
SMB-JF3Y-1	SFF-50-1.5-1



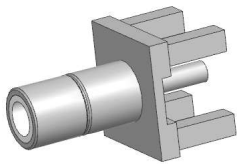
SMB-JWY3Y

PC BOARD
LAYOUT

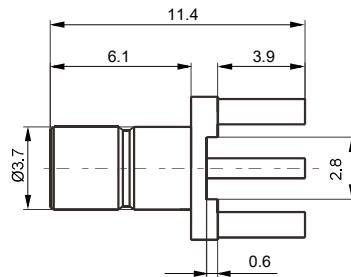
CLAMP

CABLE
STRIPPING SIZE

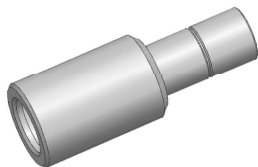
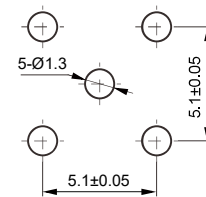
Type	Cable
SMB-JWY3Y	SFF-50-1.5-1



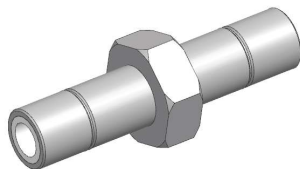
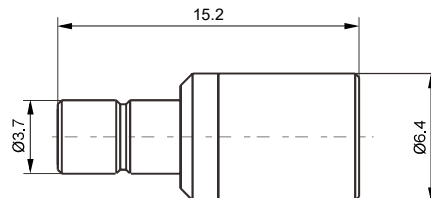
SMB-JHD-1



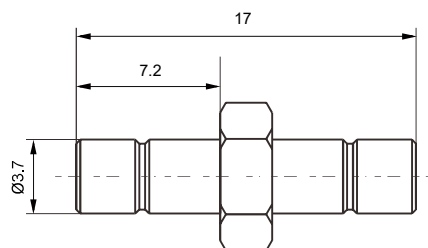
PC BOARD LAYOUT

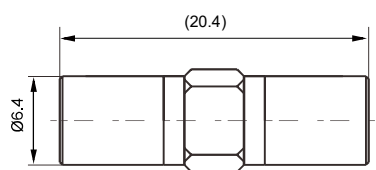
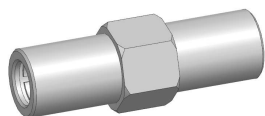
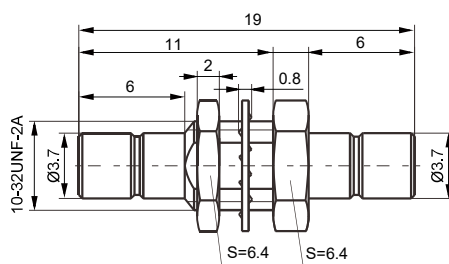
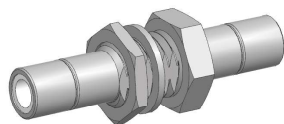
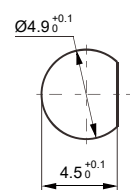
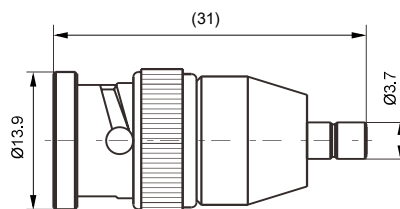
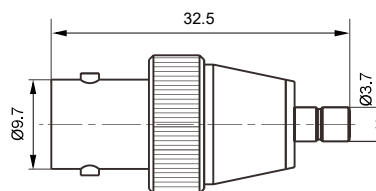
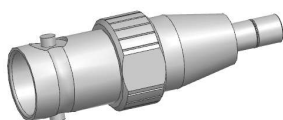


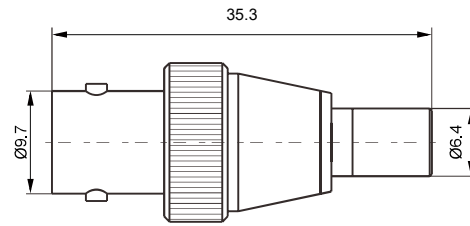
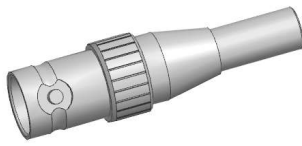
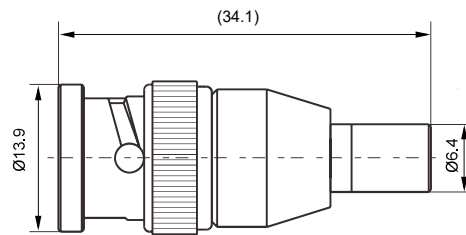
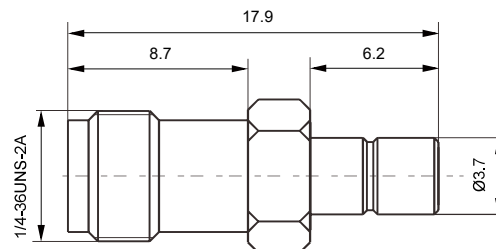
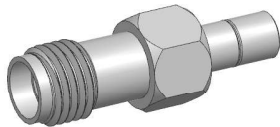
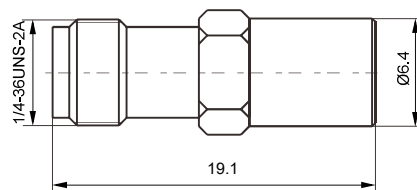
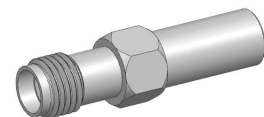
SMB-JK

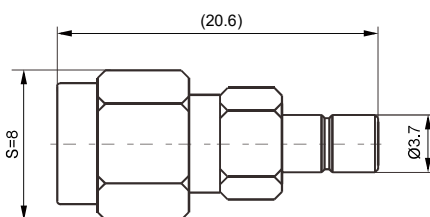
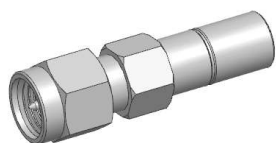
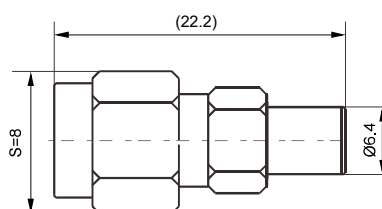
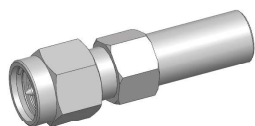
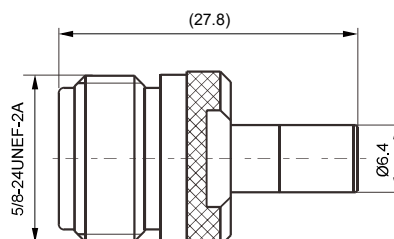
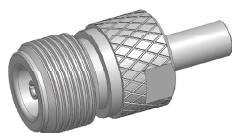
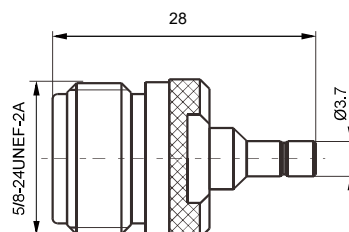
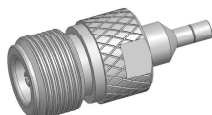


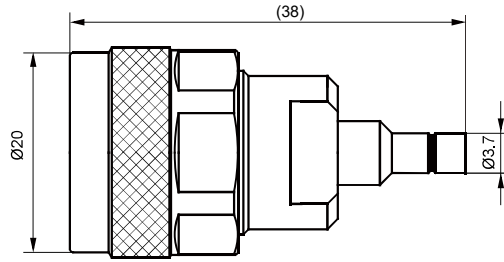
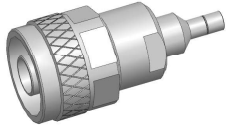
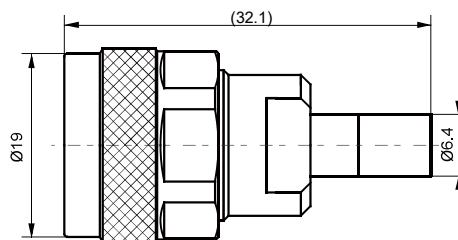
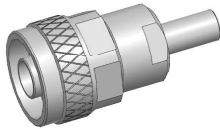
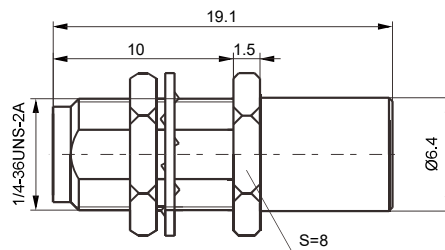
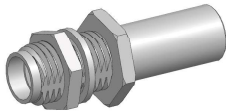
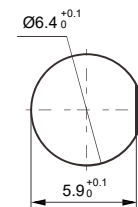
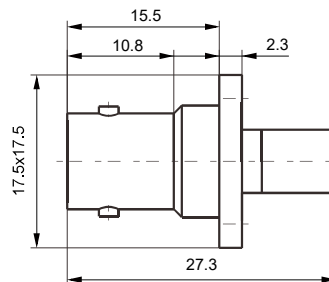
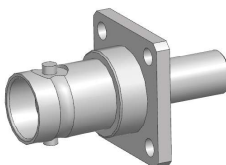
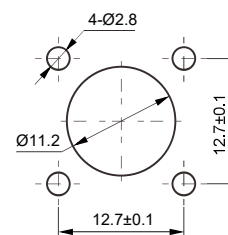
SMB-JJ

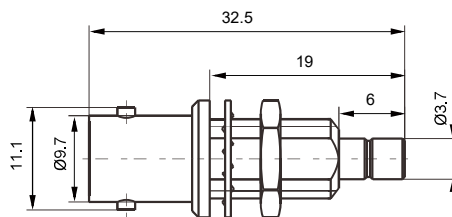
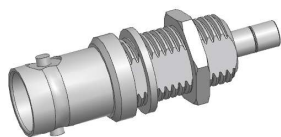


**SMB-KK****PC BOARD LAYOUT****SMB-JYJ****BNC/SMB-JJ****BNC/SMB-KJ**

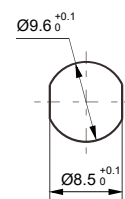
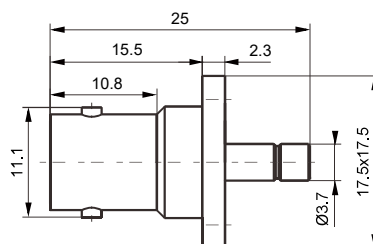
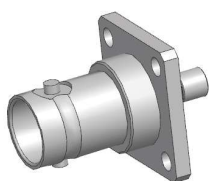
**BNC/SMB-KK****BNC/SMB-JK****SMA/SMB-KJ****SMA/SMB-KK**

**SMA/SMB-JJ****SMA/SMB-JK****N/SMB-KK****N/SMB-KJ**

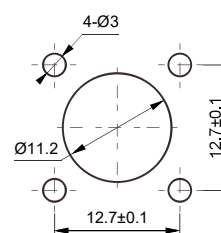
**N/SMB-JJ****N/SMB-JK****PC BOARD LAYOUT****SMA/SMB-KYK****PC BOARD LAYOUT****BNC/SMB-KFK**



PC BOARD LAYOUT

**BNC/SMB-KYJ**

PC BOARD LAYOUT

**BNC/SMB-KFJ**

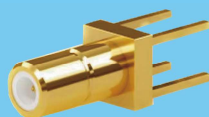
SSMB series

RF Coaxial Connector

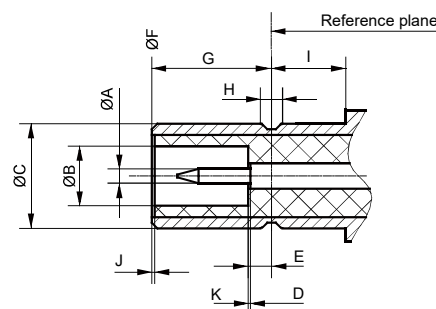
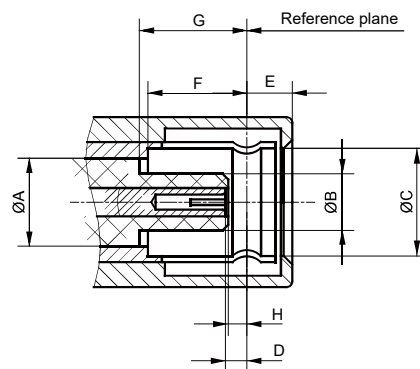
FEATURES

TECHNICAL PARAMETER

IMPLEMENTATION CRITERIA



INTERFACE DIMENSIONS

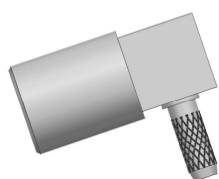
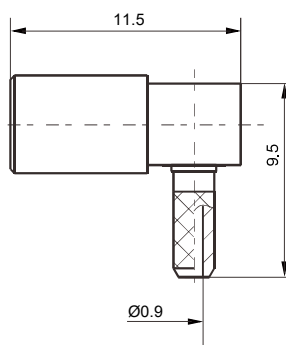
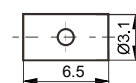
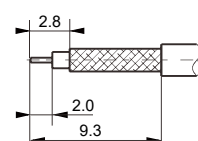


Male connector

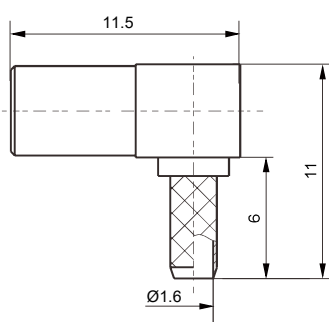
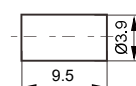
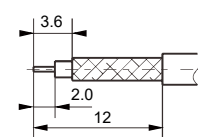
	Min(mm)	Max(mm)
A	2.11 Nominal value	
B	/	1.35
C	2.74	/
D	0.84	/
E	/	1.78
F	3.10	/
G	3.10	/
H	0.84	/

Female connector

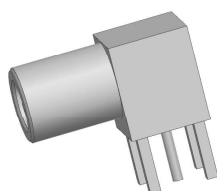
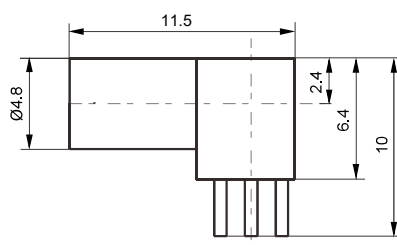
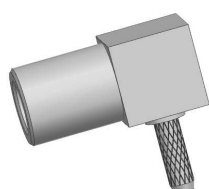
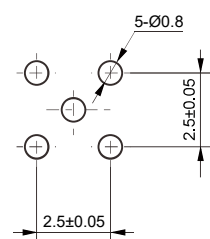
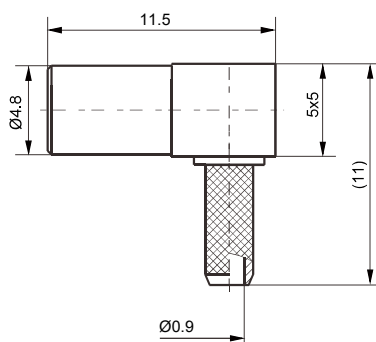
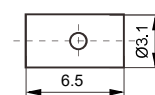
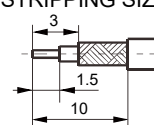
	Min(mm)	Max(mm)
A	0.35	0.38
B	1.37	/
C	/	2.69
D	0.00	/
E	/	0.84
F	/	1.91
G	/	3.10
H	0.71	0.74
I	1.91	/
J	0.00	/

**SSMB-KW2Y****CLAMP****CABLE STRIPPING SIZE**

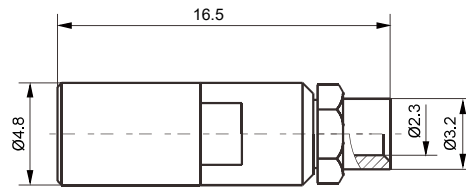
Type	Cable
SSMB-KW2	SFF-50-1, SYV-50-1

**SSMB-KW3Y****CLAMP****CABLE STRIPPING SIZE**

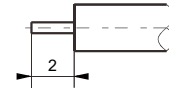
Type	Cable
SSMB-KW3	SFF-50-1.5-1, SYV-50-2-1

**SSMB-KWHD****PC BOARD LAYOUT****SSMB-KW2Y-1****CLAMP****CABLE STRIPPING SIZE**

Type	Cable
SSMB-KW2Y-1	SFF-50-1, SYV-50-1

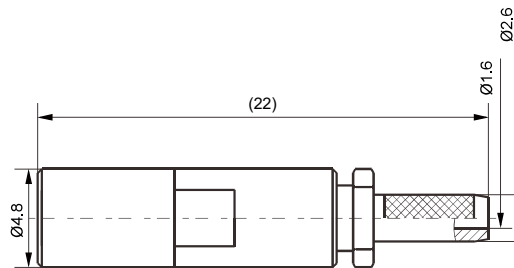
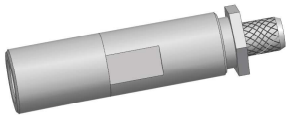


CABLE STRIPPING SIZE

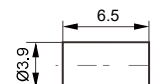


Type	Cable
SSMB-KB2	SFF-50-2-1

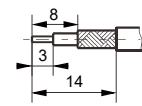
SSMB-KB2



CLAMP

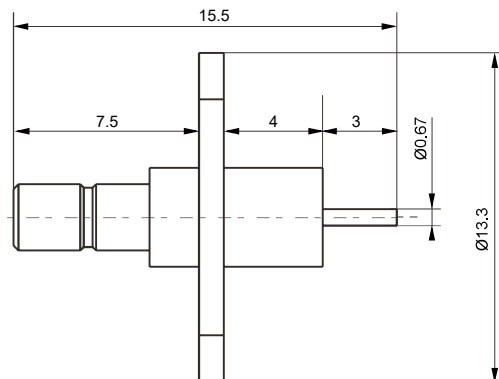
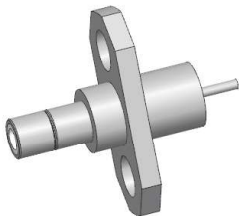


CABLE STRIPPING SIZE

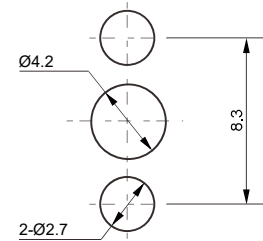


Type	Cable
SSMB-K3Y	SFF-50-1, SYV-50-2-1

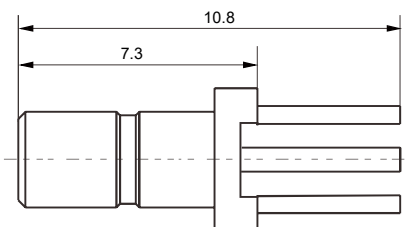
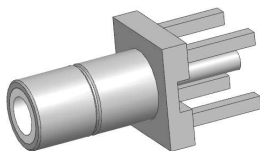
SSMB-K3Y



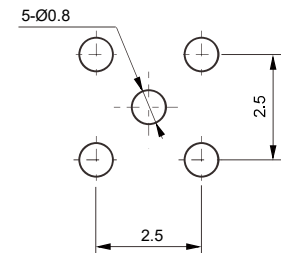
PC BOARD LAYOUT



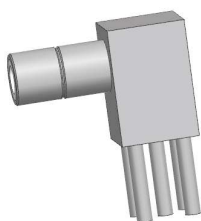
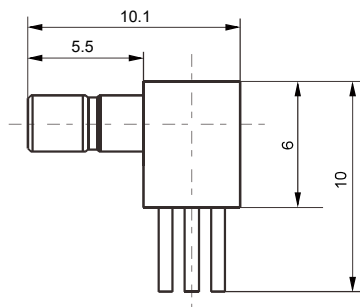
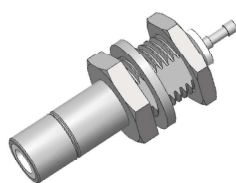
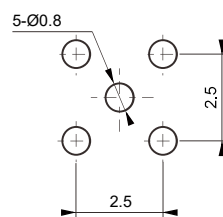
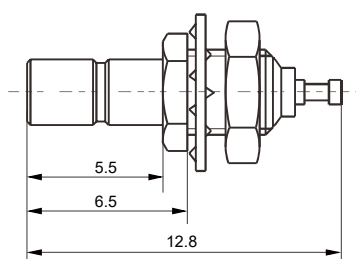
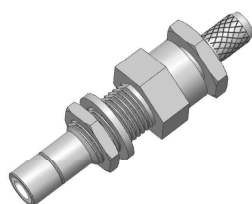
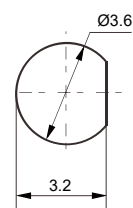
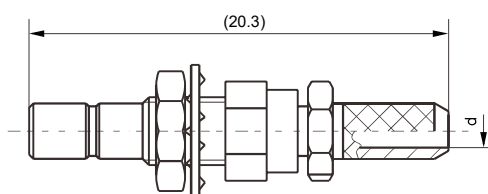
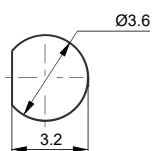
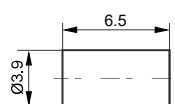
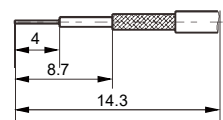
SSMB-JFD



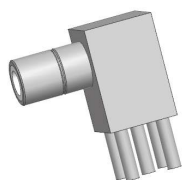
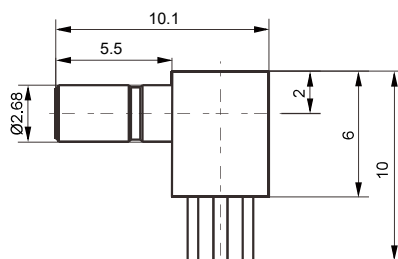
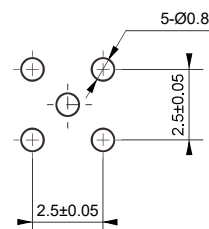
PC BOARD LAYOUT

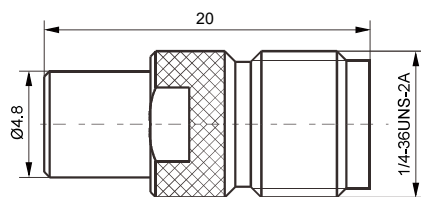
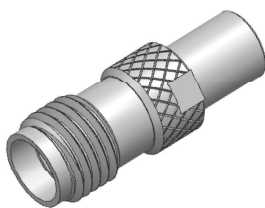


SSMB-JHD

**SSMB-JWHD****PC BOARD LAYOUT****SSMB-JYD****PC BOARD LAYOUT****SSMB-JY2Y****PC BOARD LAYOUT****CLAMP****CABLE STRIPPING SIZE**

Type	D	Cable
SSMB-JY2Y	Ø16	SFF-50-1.5-1
		SYV-50-2-1
SSMB-JY3Y	Ø1	SFF-50-1
		SYV-50-1

**SSMB-JWHD-1****PC BOARD LAYOUT**



SMA/SSMB-KK

MEMO

MCX series

RF Coaxial Connector

FEATURES

- Small size, light weight, easy to use, and excellent electrical performance,
- Widely used in various equipment and fields with special requirements for installation volume

TECHNICAL PARAMETER

Temperature: - 65~+155°C

Impedance: 50Ω, 75Ω

Frequency: DC~6GHz

VSWR: ≤1.35(Straight)

插损: 0.1dB@1GHz

Insulation resistance: ≥1000MΩ

Dielectric strength: 750V(rms)

Operating Voltage: 250V(rms)

Contact resistance: Center content: ≤5mΩ
Outer contact: ≤2.5mΩ

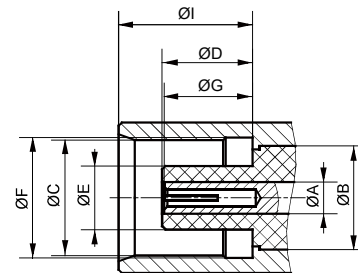
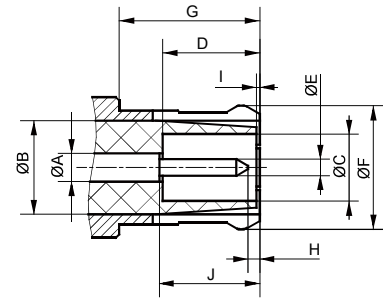
Mechanical endurance: 500 ops

IMPLEMENTATION CRITERIA

IEC 61169-36 GB/T 11313.36



INTERFACE DIMENSIONS

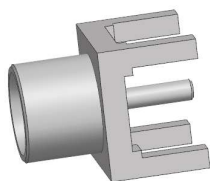


Male connector

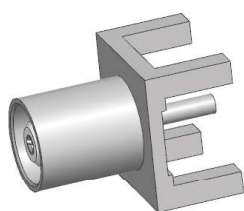
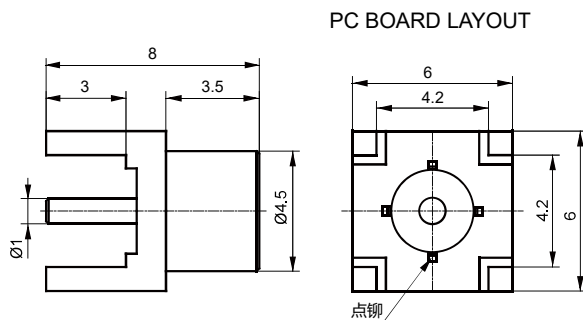
	Min(mm)	Max(mm)
A	/	/
B	3.05 Nominal value	
C	2.00	/
D	2.80	/
E	0.48	0.53
F	/	3.80
G	4.15	/
H	0.15	/
I	0.00	0.30
J	2.80	3.20

Female connector

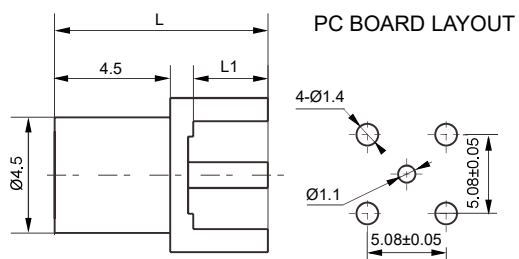
	Min(mm)	Max(mm)
A	/	/
B	3.05 Nominal value	
C	3.42	3.48
D	2.60	2.80
E	/	0.98
F	3.60	3.75
G	2.30	2.80
H	/	/
I	4.00	4.12
J	/	/



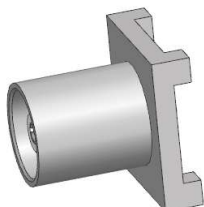
MCX-KHE-1



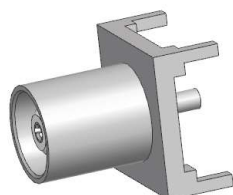
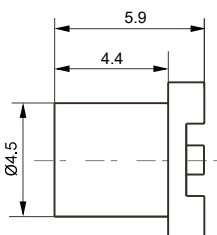
MCX-KHD



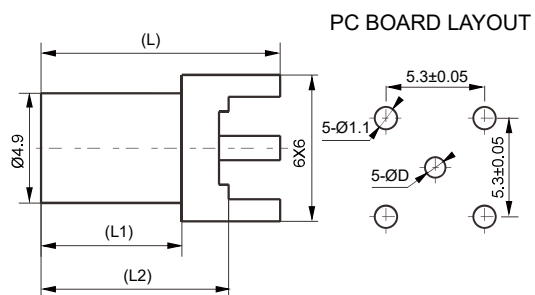
Type	L	L1
MCX-KHD	8.3	3
MCX-KHD1	9.3	4
MCX-KHD2	7.1	1.8
MCX-KHD3	11.3	3.9
MCX-KHD4	9.5	3.4



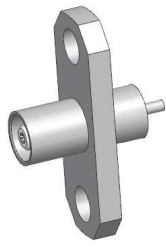
MCX-KHD5



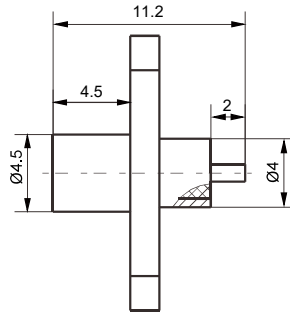
MCX-KHD7



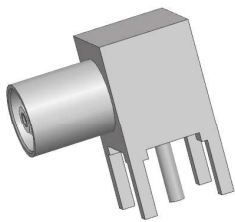
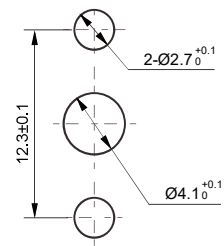
Type	L	L1	L2	L1
MCX-KHD7	9.7	6.5	8.2	$\varnothing 1.1$
MCX-KHD8	7	3.8	5.5	$\varnothing 1.1$
MCX-KHD9	8.2	5	6.7	$\varnothing 1.1$



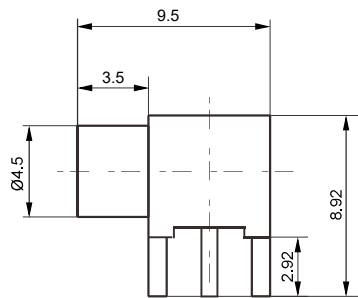
MCX-KFD



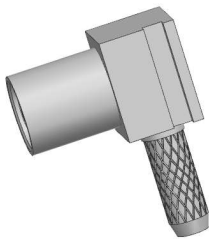
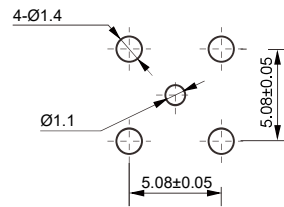
PC BOARD LAYOUT



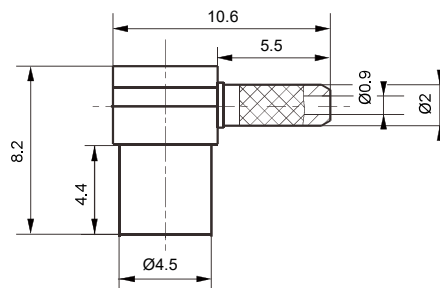
MCX-KWHD



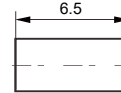
PC BOARD LAYOUT



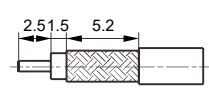
MCX-KW2Y



CLAMP



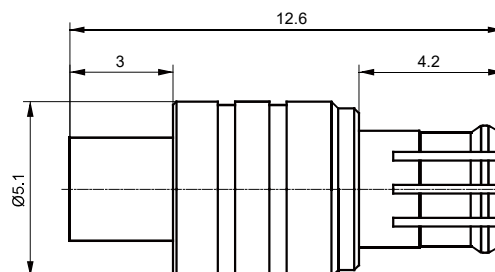
CABLE STRIPPING SIZE

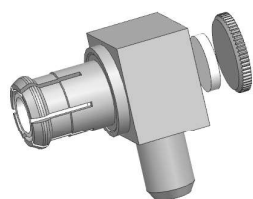


Type	Cable
MCX-KW2	SFF-50-1, SYV-50-1

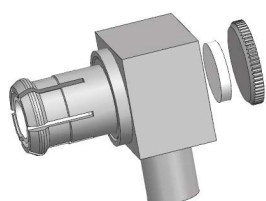
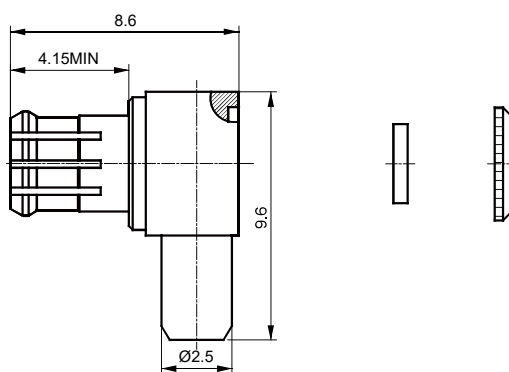


MCX-JB2

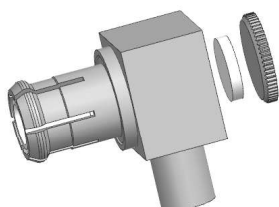
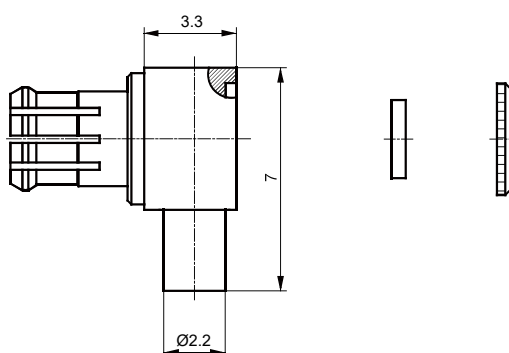




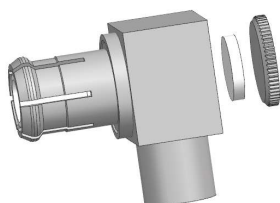
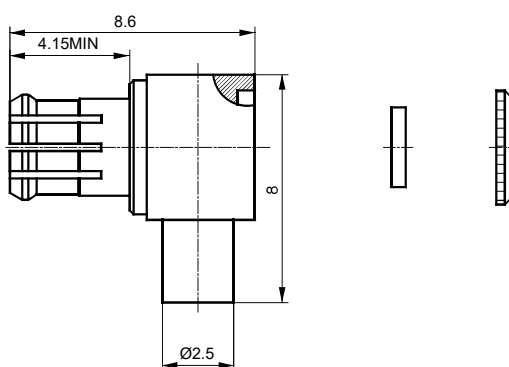
MCX-JW3Y



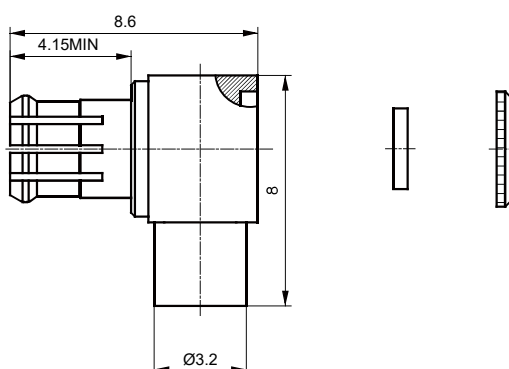
MCX-JWB1-1

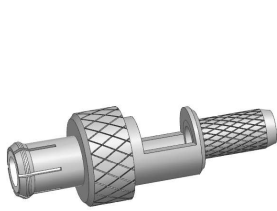


MCX-JWB1

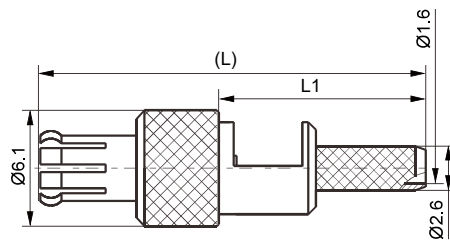


MCX-JWB2-1

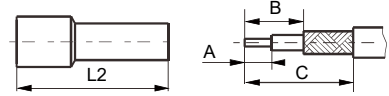




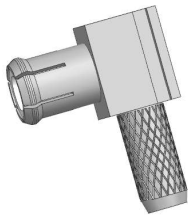
MCX-J3Y



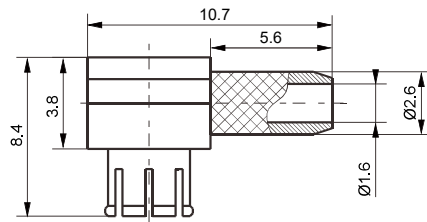
CLAMP CABLE STRIPPING SIZE



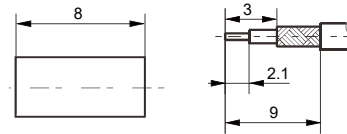
Type	L	A	B	C	D	Cable
MCX-J3Y	19.9	10.9	13.2	2.6	5	SFF-50-1.5-1 SYV-50-2-1
MCX-J3AY	18.4	9.4	16.5	2.2	4	RG316DT



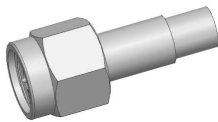
MCX-JW3AY-1



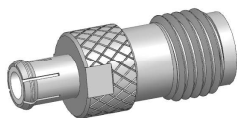
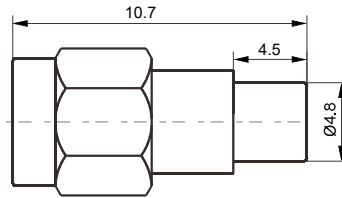
CLAMP CABLE STRIPPING SIZE



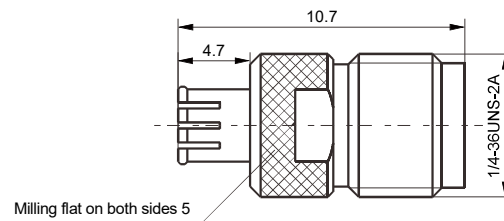
Type	Cable
MCX-JW3AY-1	RG316DT

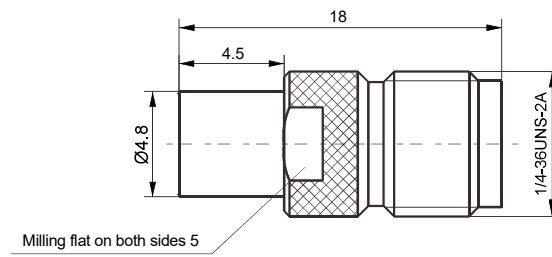
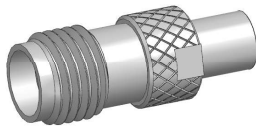


SMA/MCX-JK



SMA/MCX-KJ





SMA/MCX-KK

MMCX series

RF Coaxial Connector

FEATURES

- Miniature RF connectors with smaller volume than MCX RF connectors
- Small size, light weight, easy to use
- Widely used in small communication and network devices

TECHNICAL PARAMETER

Temperature: - 55~+155°C

Impedance: 50Ω

Frequency: DC~6GHz

VSWR: ≤1.3(Straight)

Insulation resistance: ≥1000MΩ

Dielectric strength: 500V(rms)

Operating Voltage: 170V(rms)

Contact resistance: Center contact: ≤5mΩ
Outer contact: ≤2.5mΩ

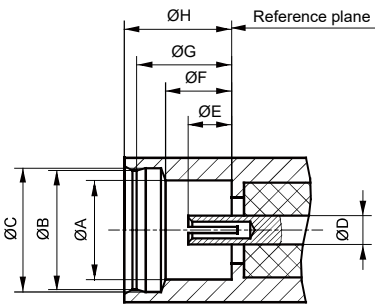
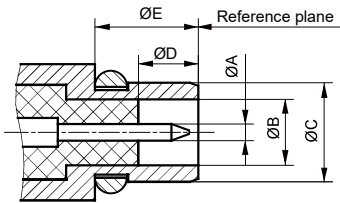
Mechanical endurance: 500 OPS

IMPLEMENTATION CRITERIA

IEC 61169-52 GB/T 11313.101



INTERFACE DIMENSIONS

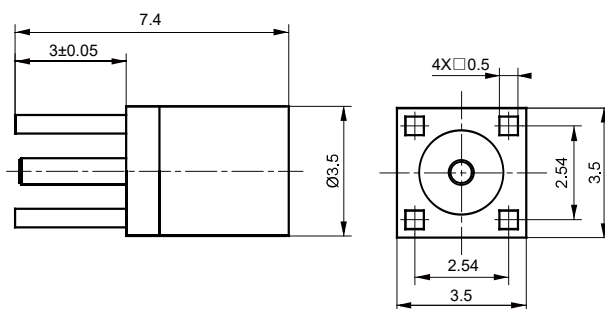
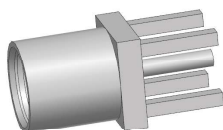
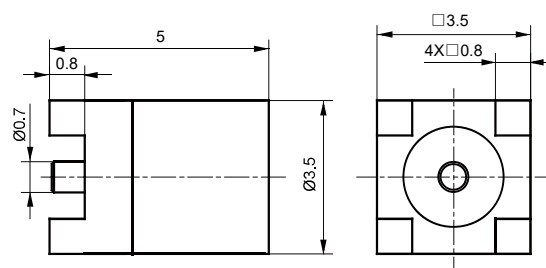
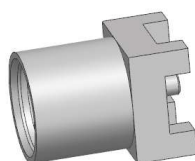
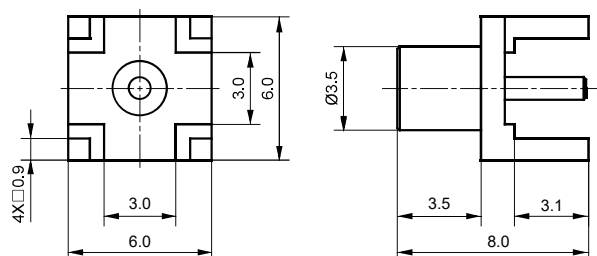
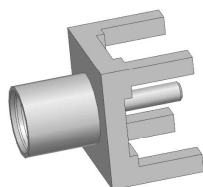
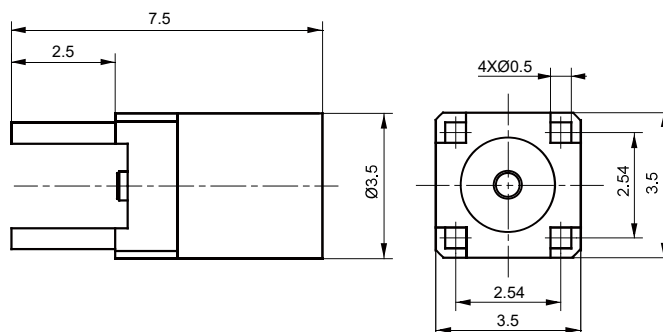
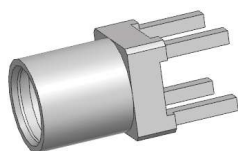


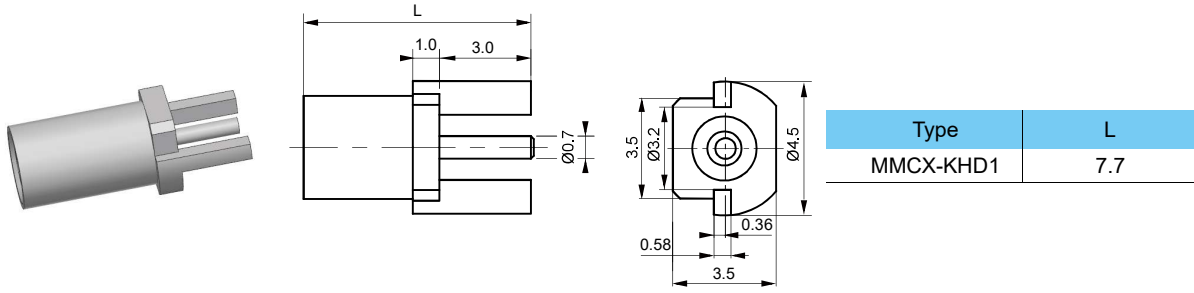
Male connector

	Min(mm)	Max(mm)
A	0.38	0.42
B	1.58	1.62
C	/	2.40
D	1.45	/
E	2.70	/

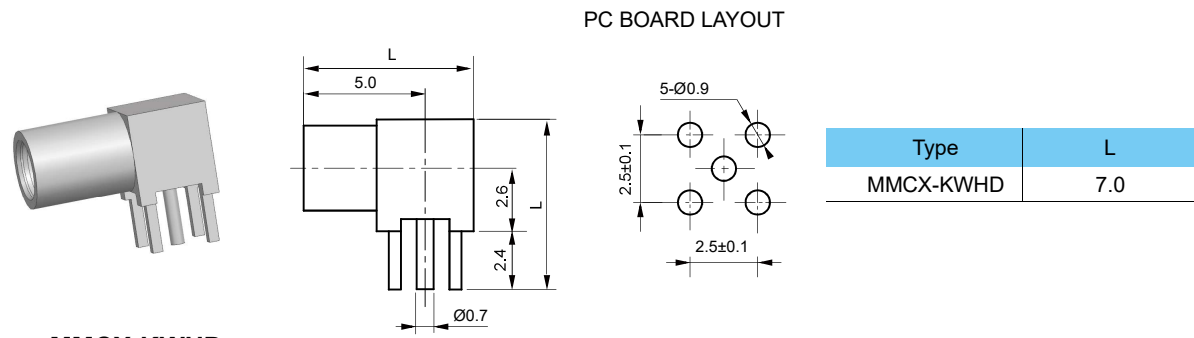
Female connector

	Min(mm)	Max(mm)
A	2.41	/
B	2.88	2.91
C	3.00	3.04
D	0.70 Nominal value	
E	0.9	1.2
F	1.57	1.63
G	2.30	2.34
H	/	2.60

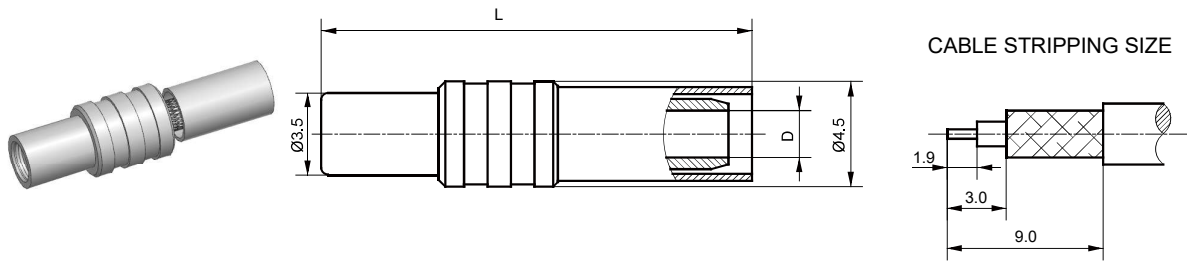
**MMCX-KHE-1****MMCX-KHE-2****MMCX-KHE****MMCX-KHT**



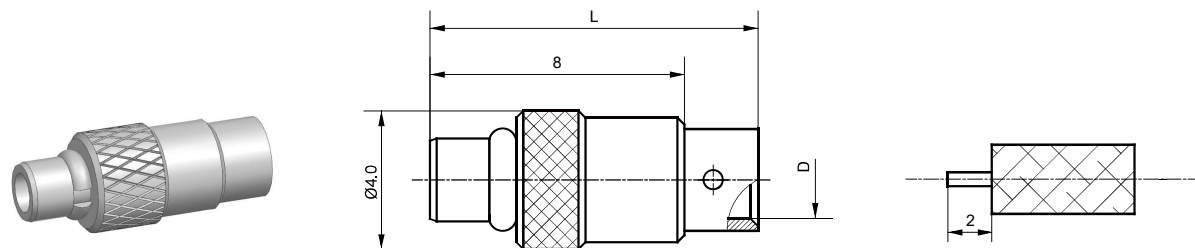
MMCX-KHD



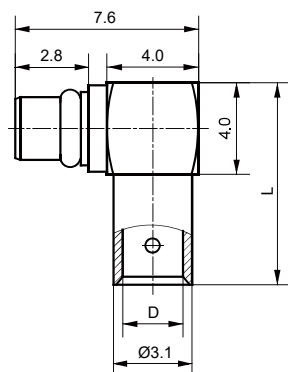
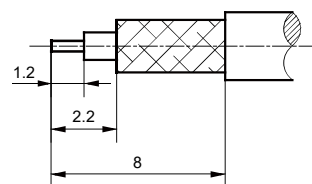
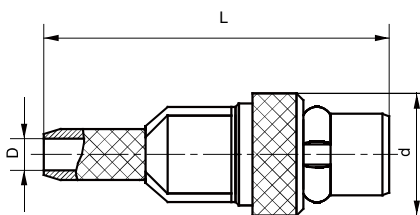
MMCX-KWHD



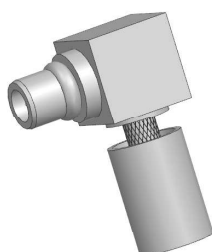
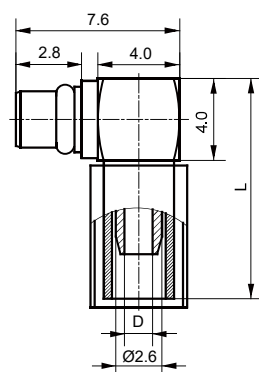
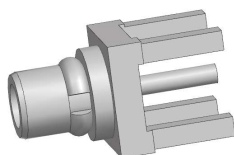
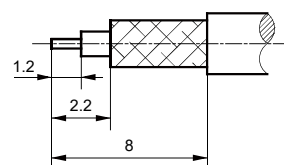
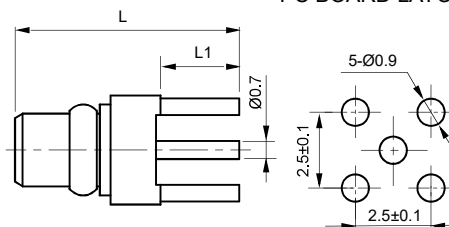
MMCX-K3Y



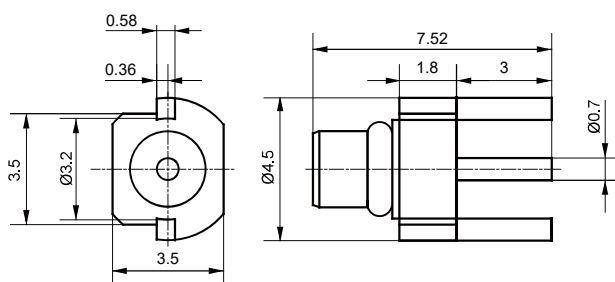
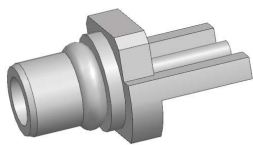
MMCX-JB2

**MMCX-JWB2-2****CABLE STRIPPING SIZE****MMCX-J2Y**

Type	L	d	D
MMCX-J2Y	11.8	Ø3.5	Ø1
MMCX-J3Y	17.6	Ø6	Ø1.6

**MMCX-JW2Y****CABLE STRIPPING SIZE****MMCX-JHD****PC BOARD LAYOUT**

Type	L	L1
MMCX-JHD	7.7	2.9
MMCX-JHD1	8.7	3.9



MMCX-JHD2

HSMP series

RF Coaxial Connector

FEATURES

- Belonging to the SMP connector family series products
- Designed and developed specifically for 5G communication, highly compatible with 5G in terms of frequency, size, material, and other aspects
- Used for RF signal connection between 5G modules, TRX board and filter, filter and antenna

TECHNICAL PARAMETER

Impedance: 50Ω

Frequency: DC~6GHz

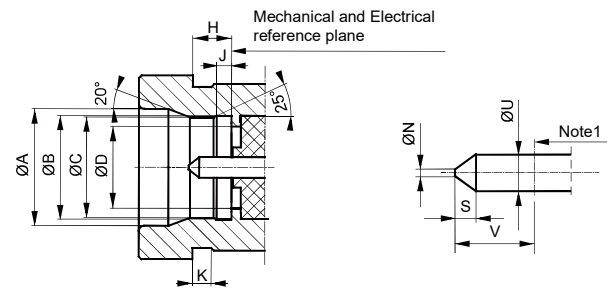
VSWR: 1.15

Contact resistance: center contact: $\leq 5.0\text{m}\Omega$
Outer contact: $\leq 3.0\text{m}\Omega$

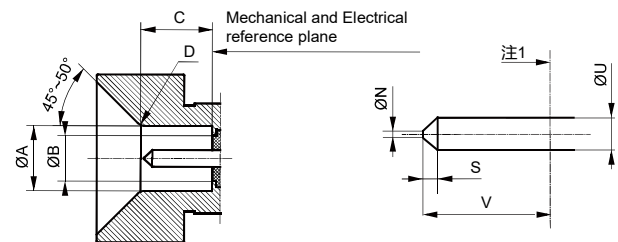
Mechanical endurance: 100 ops



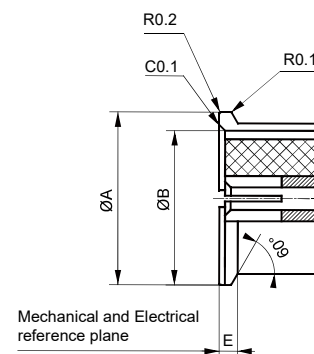
INTERFACE DIMENSIONS



Limiter detent Male connector



Slide male connector



Female connector

Limiter detent Male connector

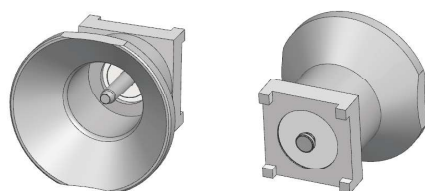
No.	Min(mm)	Max(mm)
A	4.31	4.39
B	3.82	3.9
C	3.73	3.77
D	3	3.1
H	1.42	1.48
J	0.55	0.6
K	-	0.5
N	-	0.15
S	0.3	0.35
U	0.76	0.8
V	1.5	1.7

Slide male connector

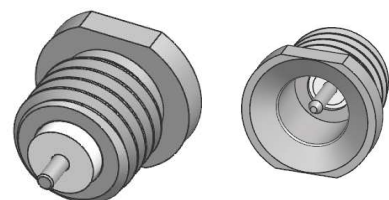
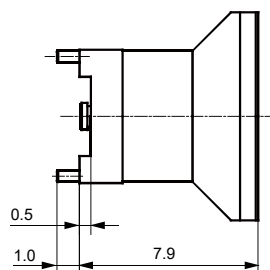
No.	Min(mm)	Max(mm)
A	3.82	3.9
B	2.52	2.58
C	3.17	-
D	0.25	0.5
N	-	0.15
S	0.3	0.35
U	0.76	0.8
V	2.9	3.16

Female connector

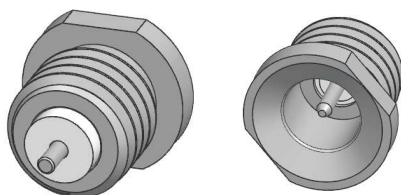
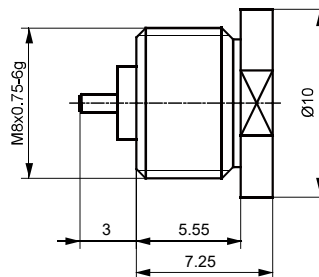
No.	Min(mm)	Max(mm)
A	-	-
B	3.2	3.3
C	1.42	1.5
D	-	-
E	-	0.55
G	0.2	0.25
H	2.45	2.55
J	3.4	3.5
K	1.3	1.4
M	0	0.15



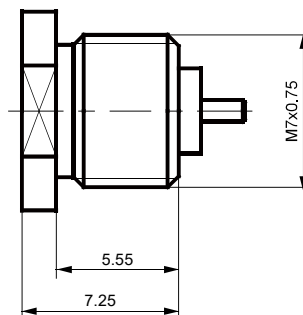
HSMP2-SJHD

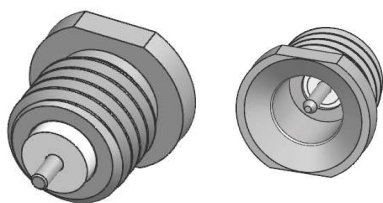


HSMP2-LJYD

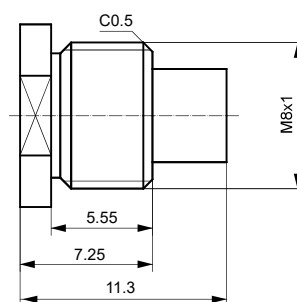


HSMP2-SJYD





HSMP2-LJYB3



4.3-10 series

RF Coaxial Connector

FEATURES

- A Threaded RF coaxial connectors, mechanical and electrical interfaces are independent
- Lightweight, reliable connection, low PIM, and superior electrical performance
- Applied to communication antenna and feeder systems

TECHNICAL PARAMETER

Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Impedance: 50Ω

Frequency: DC $\sim$ 6GHz

VSWR: <1.15

Insulation resistance: $\geq 5000\text{M}\Omega$

Dielectric strength: 2500V(rms)

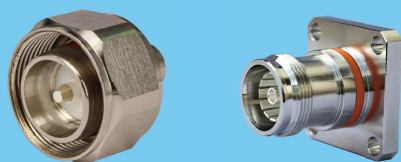
Contact resistance: Center contact: $\leq 1.5\text{m}\Omega$

Outer contact: $\leq 1.5\text{m}\Omega$

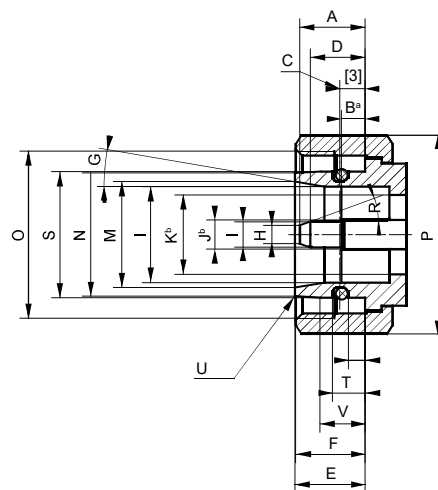
Mechanical endurance: 100 ops

IMPLEMENTATION CRITERIA

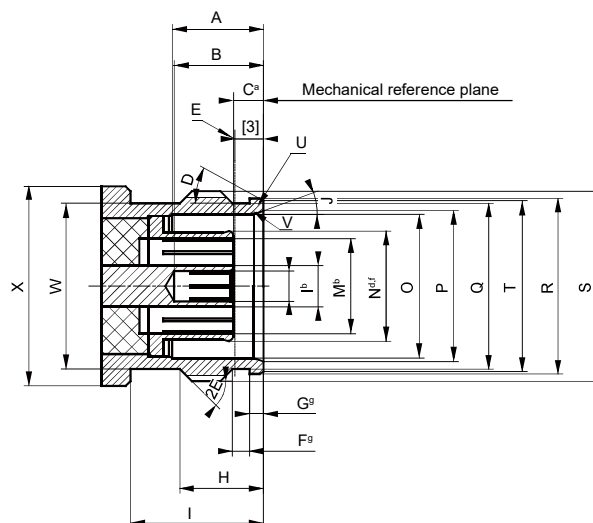
IEC61169-54



INTERFACE DIMENSIONS



Male connector



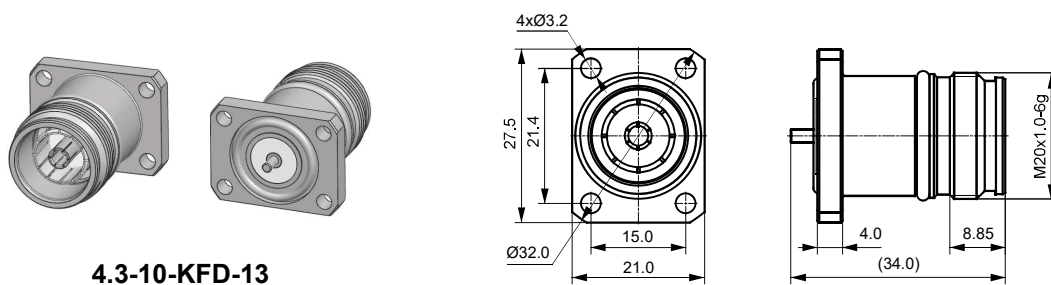
Female connector

Male connector

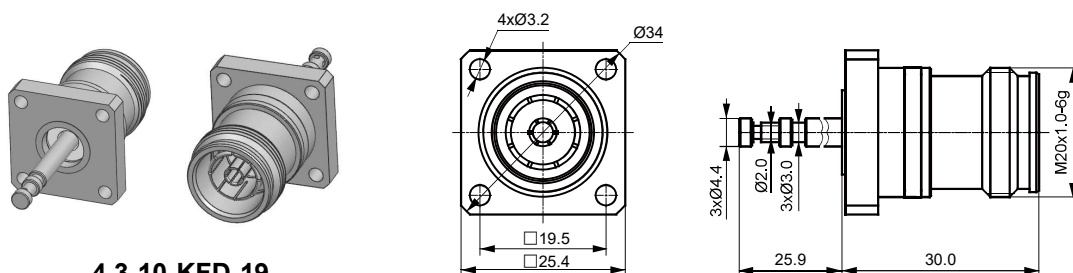
	Min(mm)	Max(mm)	Notes
A	-	8	
B	-	2.9	a
C	5	-	
D	4.4	-	
E	8.3	8.5	
F	8	8.5	
G	10°	14°	
H	-	2.3	Diameter
I	3.07	3.13	Diameter
J	4.35 nom.		Diameter b
K	10.0 nom.		Diameter b
L	11.47	11.53	Diameter
M	12.5	-	Diameter
N	14.7	14.8	Diameter
O	M20x1-6H		Thread
P	22.0 nom.		Wrench Size
Q	1.8	-	

Female connector

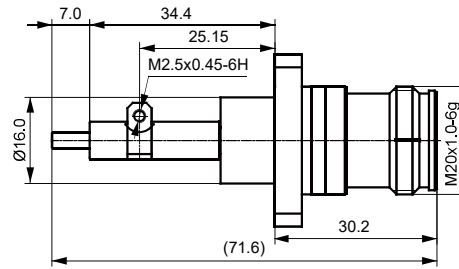
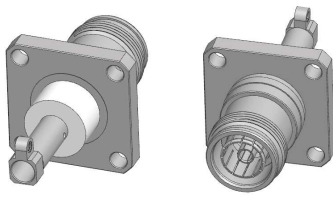
	Min(mm)	Max(mm)	Notes
A	8.5	-	
B	5	-	
C	3.1	3.5	a
D	30°nom.		
E	45°nom.		g
F	1.7	1.9	g
G	1.44	1.5	g
H	8.7	9	
I	13.9	14.1	
J	20°nom.		
K			c
L	4.35 nom.		Diameter b
M	9.8	10.2	Diameter b
N	-	12.3	d, f
O	15.13	15.19	Diameter
P	15.7	15.9	Diameter
Q	17.4	17.5	Diameter g
R	18.44	18.5	Diameter g
S	M20x1-6g 4.1	Thread	
T	17.9	18.1	Diameter
U	0.6 nom.	半径	
V	1.0 nom.	半径	
W	17.45	17.55	Diameter
X	18.6	-	Diameter



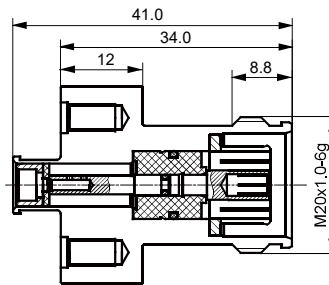
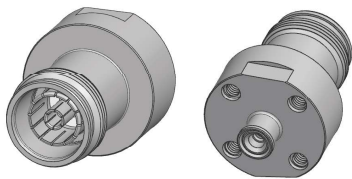
4.3-10-KFD-13



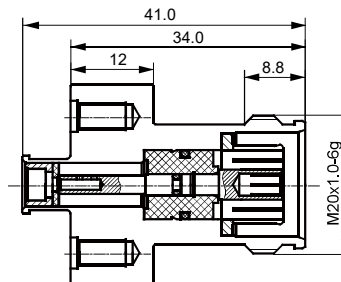
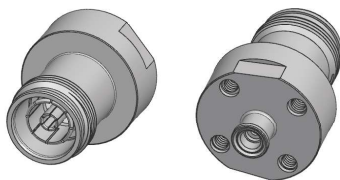
4.3-10-KFD-19



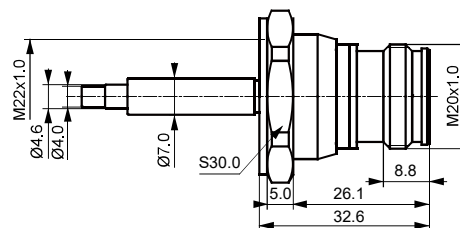
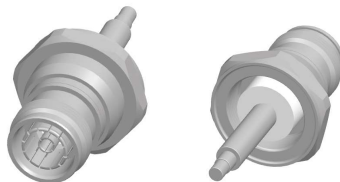
4.3-10-KFD-23



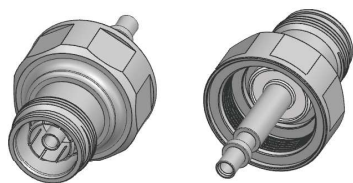
4.3-10-KFB3-5



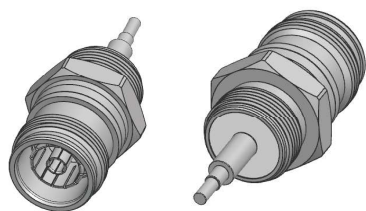
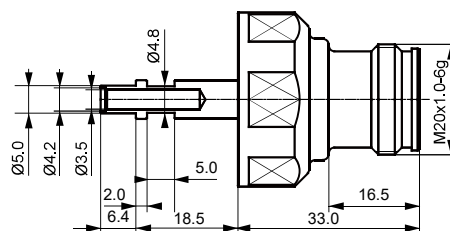
4.3-10-KFB4



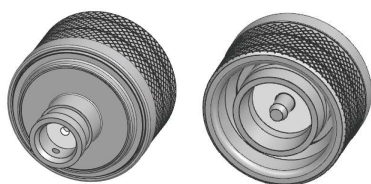
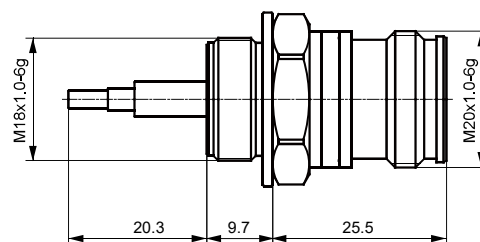
4.3-10-KYD



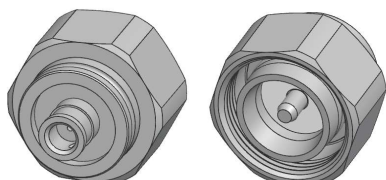
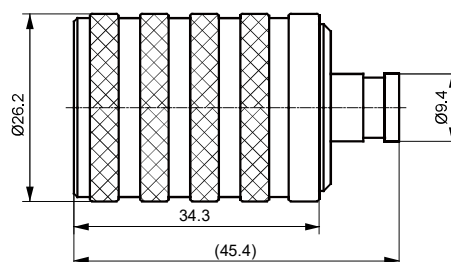
4.3-10-KYD-32



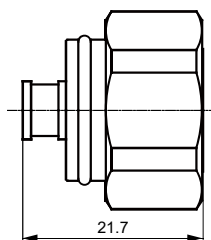
4.3-10-KYD-27

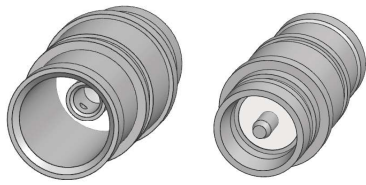


4.3-10-JB5

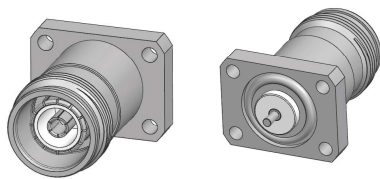
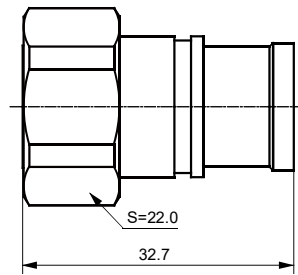


4.3-10-JB3-1

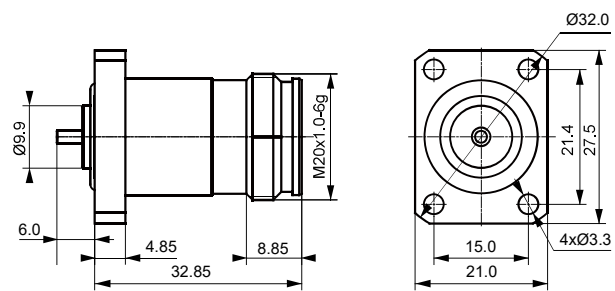




4.3-10-J533



4.3-10-KFD-11



MEMO

7/16 series

RF Coaxial Connector

FEATURES

- Larger threaded coaxial connectors
- Reliable connection, low PIM, low loss, and superior electrical performance
- Applied to communication antenna feed systems and microwave transmission

TECHNICAL PARAMETER

Temperature: - 65~+125°C

Impedance: 50Ω

Frequency: DC~7.5GHz

VSWR: ≤1.15(DC~4GHz)

Insulation resistance: ≥10000MΩ

Dielectric strength: 3500V(rms)

Operating Voltage: 1800V(rms)

Contact resistance: Mechanical endurance: ≤0.4mΩ;

Outer contact: ≤1.5mΩ

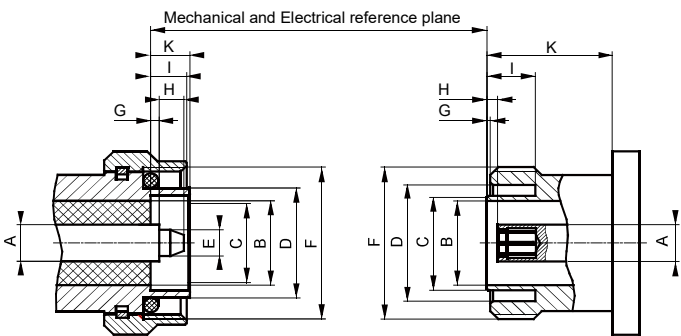
Mechanical endurance: 500 OPS

IMPLEMENTATION CRITERIA

IEC 61169-1 GB/T 11313. 1



INTERFACE DIMENSIONS

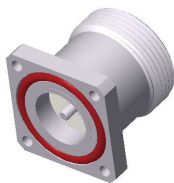


Male connector

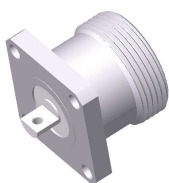
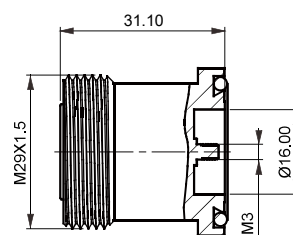
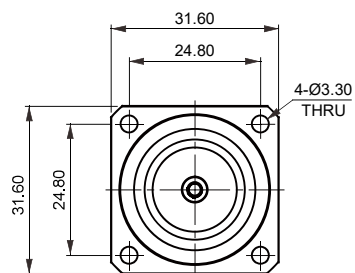
	Min(mm)	Max(mm)
A	7.00 Nominal value	
B	Ø15.85	Ø16.25
C	Ø18.03	Ø18.21
D	Ø20.60	Ø21.40
E	Ø4.96	Ø5.04
F	M29X1.5	
G	1.47	1.77
H	/	4.50
I	7.00	9.00
K	7.00	8.00

Female connector

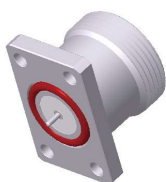
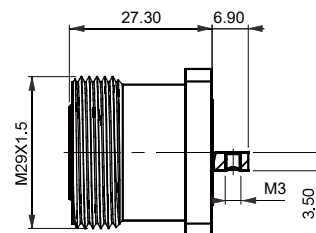
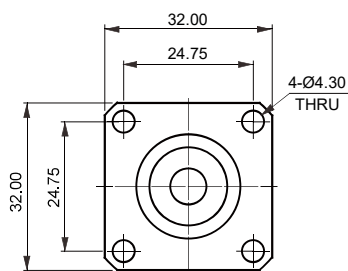
	Min(mm)	Max(mm)
A	7.00 Nominal value	
B	Ø15.85	Ø16.25
C	Ø17.84	Ø18.02
D	Ø22.10	Ø22.90
E	/	/
F	M29X1.5	
G	0.5	0.7
H	1.77	2.07
I	8.10	/
K	10.00	/



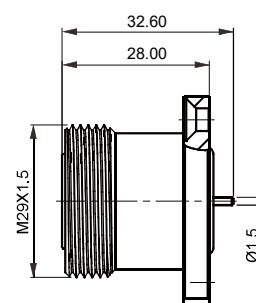
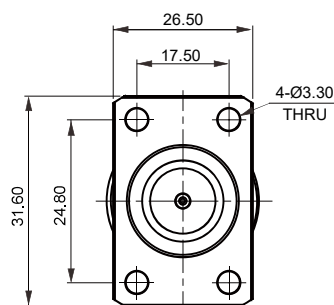
7/16-KFD-3



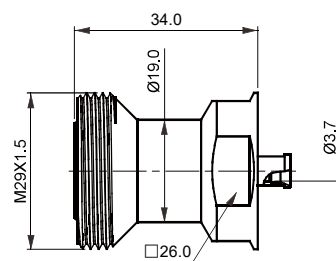
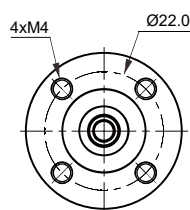
7/16-KFD-1

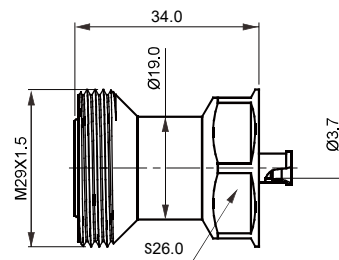
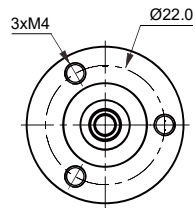


7/16-KFD-13

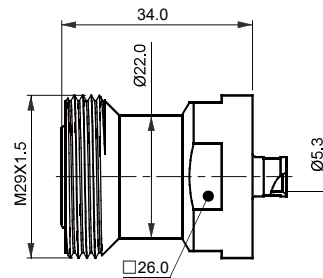
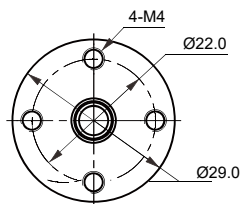


7/16-KFB3-13

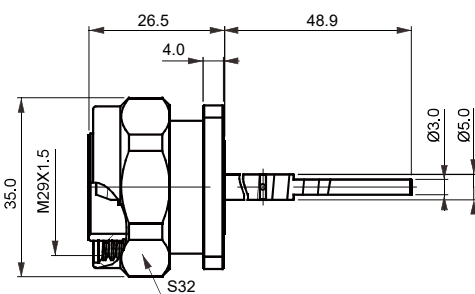
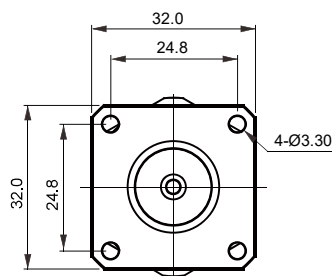




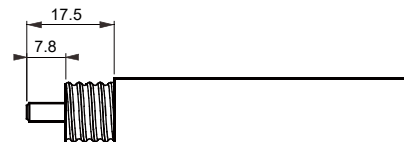
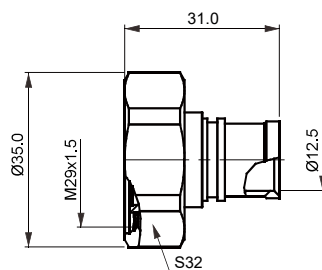
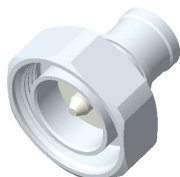
7/16-KFB3-14



7/16-KFB3-3



7/16-JFD



7/16-J533

MQ series

RF Coaxial Connector

FEATURES

- Circular multi-channel bundled RF coaxial connector
- Equipped with two connection methods: quick locking and threading
- Each channel can be simultaneously docked and separated at once
- Features such as waterproof tape free processing, good PIM, good VSWR performance, anti misinsertion, and adaptive alignment
- Applied to mobile communication devices and similar scenarios that require multiple RF signal connections

TECHNICAL PARAMETER

Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Impedance: 50Ω

Frequency: $\text{DC} \sim 6.0\text{GHz}$

Insulation resistance: $\geq 5000\text{M}\Omega$

Dielectric strength: 1000V(rms)

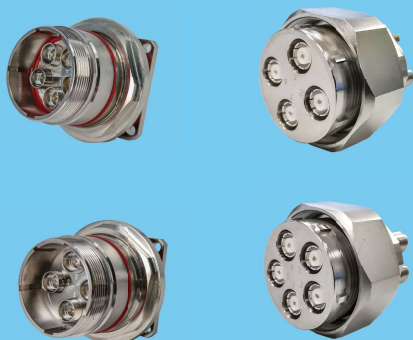
Contact resistance: Mechanical endurance: $\leq 5.0\text{m}\Omega$

Outer contact: $\leq 3.0\text{m}\Omega$

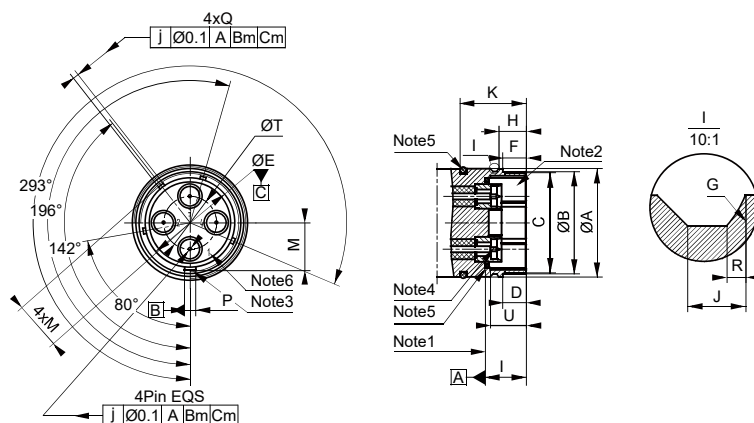
Mechanical endurance: 100 OPS

IMPLEMENTATION CRITERIA

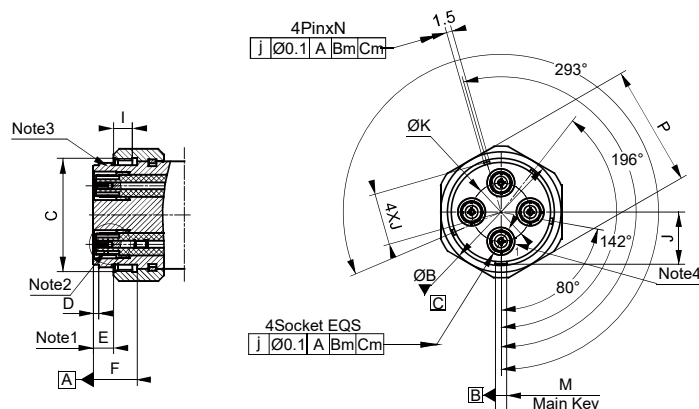
IEC 63138-1/IEC 63138-2



INTERFACE DIMENSIONS



MQ4 Male connector



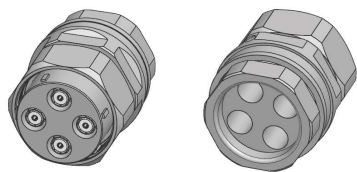
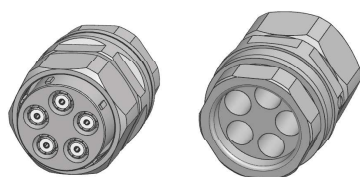
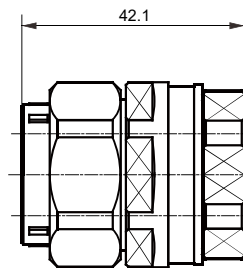
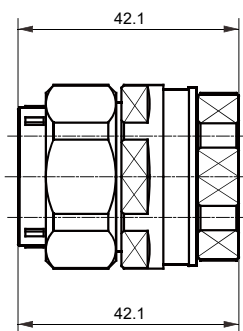
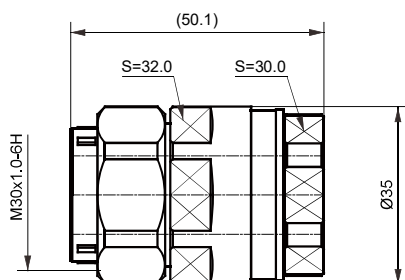
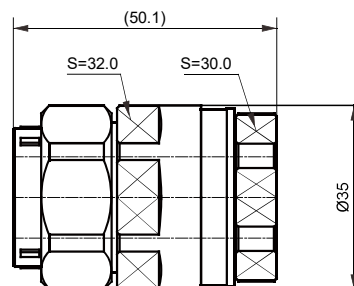
MQ4 Female connector

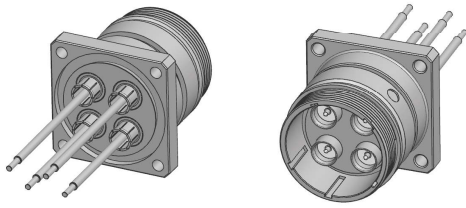
Male connector

	Min(mm)	Max(mm)
A	31.75	31.8
B	30.35	30.4
C	M30x1.0-6h	
D	6.8	7
E	26.42	26.48
F	6	6.1
G	R3.0 nom.	
H	7.95	8.05
I	10.95	11
J	1.5	1.8
K	19.3	19.45
M	14	14.1
P	3.2	3.35
Q	1.6	1.75
R	0.5	0.6
T	15.48	15.52
U	10.5	10.6

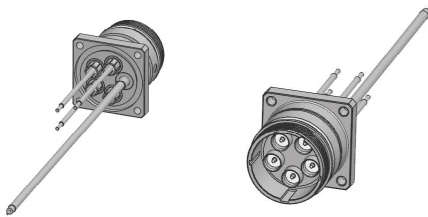
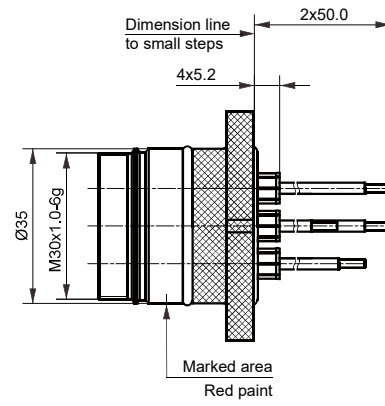
Female connector

	Min(mm)	Max(mm)
A	7.52	7.58
B	26.35	26.4
C	M30x1.0-6G	
D	1.2	1.5
E	5.2	5.6
F	11.2	--
I	7	--
J	13.7	13.85
K	15.48	15.52
M	3	3.15
N	1.4	1.55
P	32.0 nom	

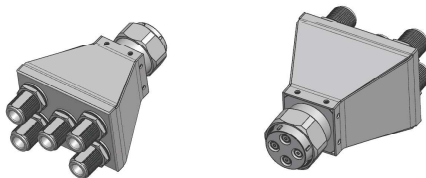
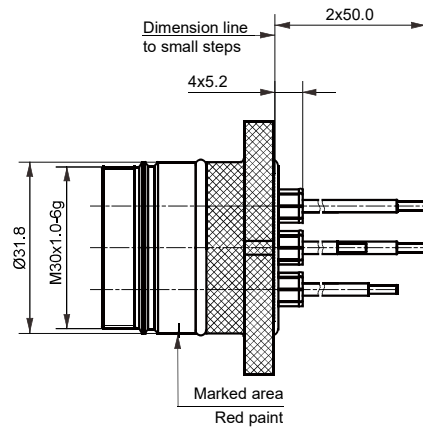
**MQ4-KB5****MQ5-KB5****MQ4-K501****MQ5-K501**



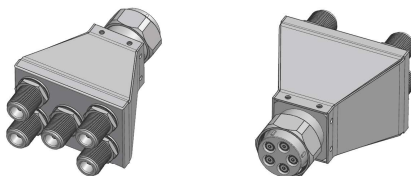
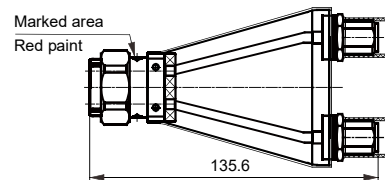
MQ4-JFD



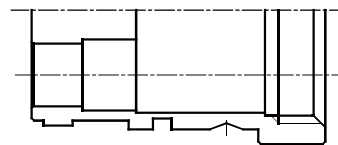
MQ5-JFD

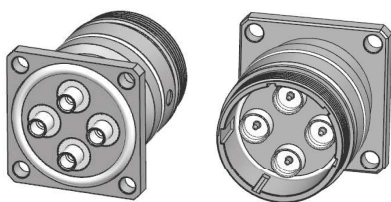
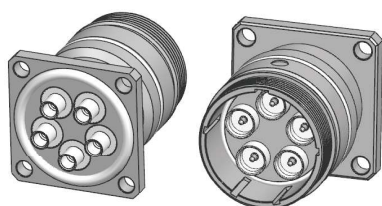
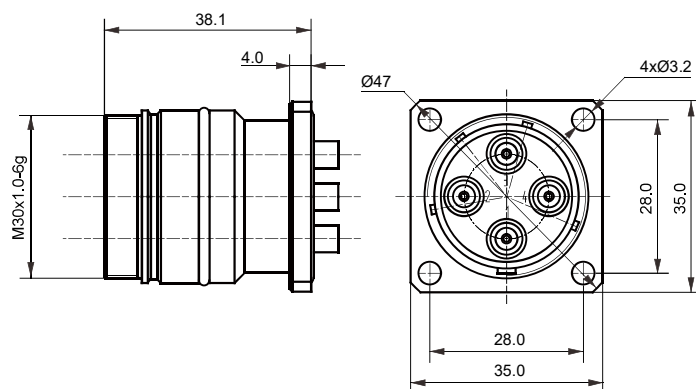
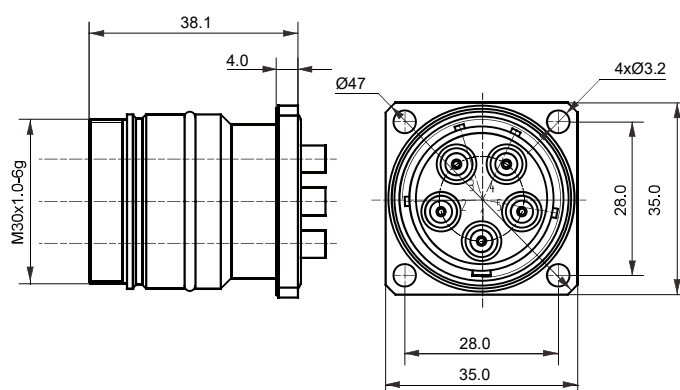


MQ4-KF+N-KY-135.6



MQ5-KF+N-KY-135.6



**MQ4-JFB3-2****MQ5-JFB3-2**

L32 series

RF Coaxial Connector

FEATURES

- The L32 bundle connector is an interface connection solution proposed to meet the large-scale application of the TD-LTE system
- 4-channel and 5-channel bundle assembly, It has good phase consistency and can reduce the number of joints and feeders by 80%. Its anti misinsertion structure can greatly improve construction efficiency
- Suitable for installation at the lower port of the bundle antenna, matching with the bundle jumpers of 4 and 5 channels

TECHNICAL PARAMETER

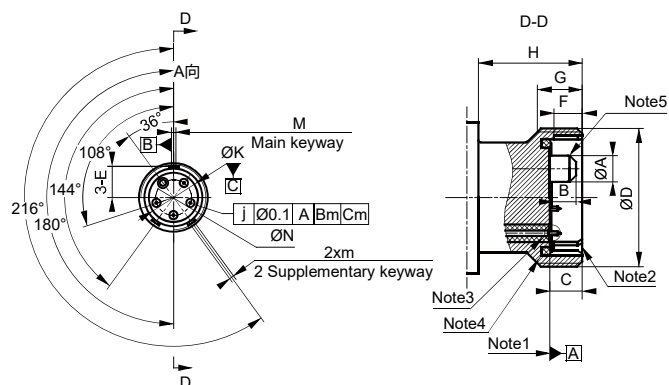
Impedance: 50Ω
 Frequency: DC ~ 3.0GHz
 VSWR: 1.25
 Insulation resistance: $\geq 1000M\Omega$
 Dielectric strength: 750V(rms)
 Contact resistance: Center content: $\leq 3.0m\Omega$;
 Outer contact: $\leq 2.0m\Omega$
 Mechanical endurance: 200 ops

IMPLEMENTATION CRITERIA

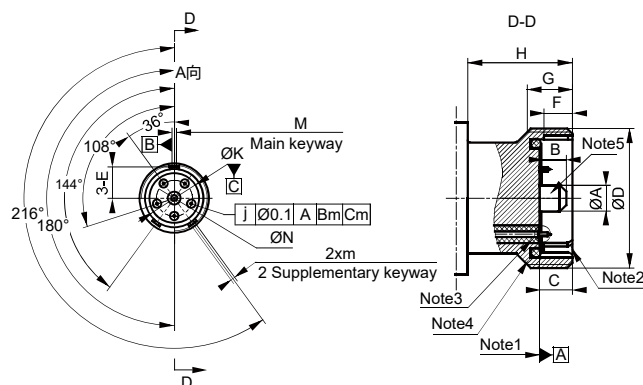
IEC 61169-59



INTERFACE DIMENSIONS



Bundle 4 channels male connector



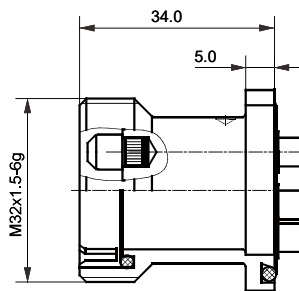
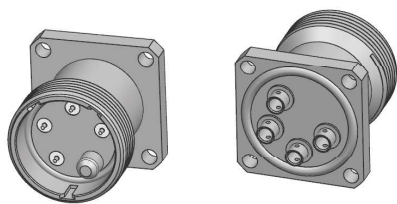
Bundle 5 channels male connector

Bundle 4,5 channels male connector

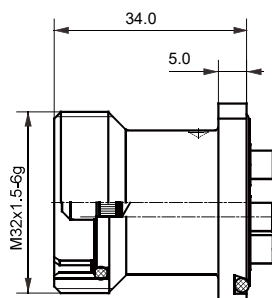
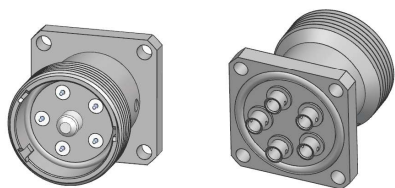
	Min(mm)	Max(mm)
A	6.25	6.35
B	7	
C	7.7	7.8
D	M32x1.5-7H	
E	14.2	14.3
F	7.6	8
G	-	0.8
H	6.8	-
I	0.08	0.3
J	11.5	11.7
K	26.6	26.7
L	34.9	35
M	1.9	2
N	16.5	16.52
P	5.8	6.1

Bundle 4,5 channels female connector

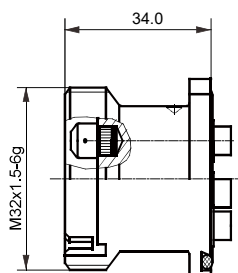
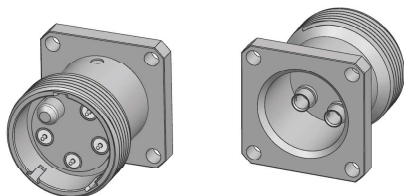
	Min(mm)	Max(mm)
A	6	6.1
B	6	6.2
C	7.5	7.6
D	M32x1.5-6g	
E	14.4	14.5
F	6	-
G	9.5	9.7
H	24	-
K	27	27.1
M	2.1	2.2
N	16.5	16.52



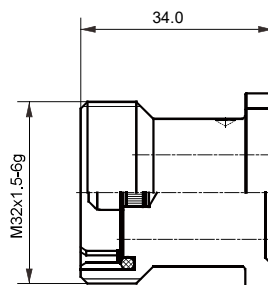
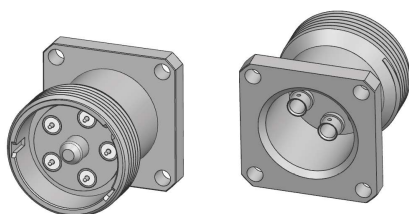
L32-4-JFB3-1



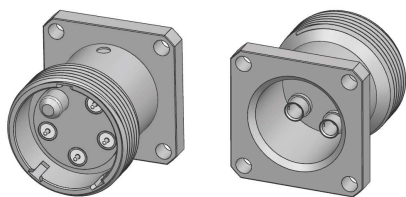
L32-5-JFB3-1



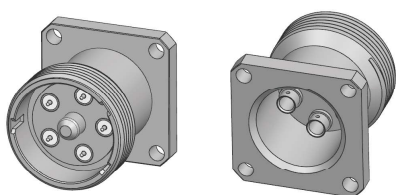
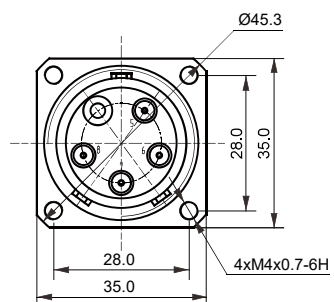
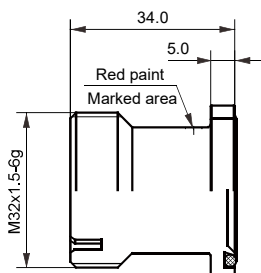
L32-4-JFB3-4



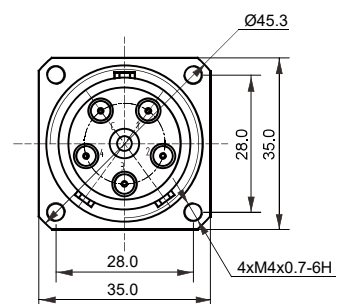
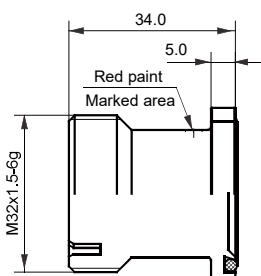
L32-5-JFB3-5



L32-4-JFB3-6



L32-5-JFB3-6



MEMO

RF CABLE ASSEMBLY



2.92



4.3-10



7-16



BMA



BMA-1



MCX-MMCX



MCX-1



MQ4-K



MQ5-K



NEX10



N



N-1



SMA



SMP



Test & Measurement
C/A



High performance Test
& Measurement C/A



Bundle RF C/A 1



Bundle RF C/A 2

Dimensions of Common used RF Coaxial Cable

Illustrate: 1. Explanation of outer diameter letters of shielding layer: S-braided shielding layer, D-double braided shielding layer.
 2. Armored cable RG-XXX/U represents the international cable model.
 3. The execution standards for domestic flexible cables and semi rigid cables si SJ1132-77 and SJ498-83.
 4. The international standard for flexible and semi rigid cables is MIL-C-17-F.

Cable code	Cable Type	Impedance Ω	Diameter $\varnothing$ (mm)				
			Inner conductor		Insulator outer diameter	Shield outer diameter	Jacket outer diameter
			Constitute	Outer diameter			
2	SYV-50-1	50	7x0.09	0.27	0.87±0.05	1.45S	1.9±0.1
	SFF-50-1	50	7x0.09	0.27	0.87±0.05	1.45S	1.9±0.1
	RG-178/U	50	7x0.1	0.30	0.91	1.37S	2.01±0.1
	RG-196/U	50	7x0.1	0.30	0.86	1.37S	2.03
	SFF-75-1	75	single-core	0.17	0.87	1.37S	1.80
3	SYV-50-2-1	50	7x0.16	0.48	1.5±0.1	2.1S	2.9±0.1
	SFF-50-1.5-1	50	7x0.18	0.54	1.5±0.1	2.1S	2.55±0.15
	RG-174/U	50	7x0.16	0.48	1.52	2.24S	2.54
	RG-316/U	50	7x0.17	0.51	1.52	2.06S	2.59
	RG-188/U	50	7x0.18	0.54	1.52	2.06S	2.79
	SFF-75-1.5-1	75	7x0.1	0.30	1.50	-	2.55
	SFF-75-1.5-2	75	7x0.1	0.30	1.50	-	3.2
	SYV-75-2	75	7x0.08	0.24	1.50	2.1S	2.9±0.1
	RG-179B/U	75	7x0.1	0.30	1.60	2.13S	2.54
3A	RG-316DT	50	7x0.17	0.51	1.60	2.22D	2.80
4	SFF-50-2-1	50	single-core	0.73	2.2	-S	3.3±0.2
	SFF-75-2	75	single-core	0.41	2.2	-	3.2
4A	SYV-50-2-2	50	7x0.23	0.68	2.2	3.1D	4.0
	SFF-50-2-2	50	single-core	0.73	2.2	-D	4.0
5	SFF-50-3-1	50	single-core	0.93	3.0	-S	4.5±0.25
	SYV-50-3	50	single-core	0.90	3.0	3.85S	5.0±0.25
	RG-141A/U	50	single-core	0.99	2.95	3.71S	4.83
	RG-58C/U	50	single-core	0.90	2.95	3.81S	4.95
	RG-303/U	50	single-core	0.99	2.95	3.71S	4.32
	RG-58/U	53.5	single-core	0.81	2.95	3.60S	4.95
	SYV-75-3	75	7x0.17	0.51	2.95	3.85S	5.0±0.25
	SFF-75-3-1	75	single-core	0.55	3.0	-S	4.5
5A	SFF-75-3-2	75	single-core	0.55	3.0	-D	5.5
	SFF-50-3-1	50	single-core	0.93	3.0	-D	5.5D
	RG-55/U	53.5	single-core	0.81	2.95	4.20D	5.23
	RG-142B/U	50	single-core	0.99	2.95	4.34D	4.95
	RG-223/U	50	single-core	0.89	2.95	4.47D	5.49
	RG-400/U	50	19x0.18	0.99	2.95	4.34D	4.95
6	RG-59B/U	75	single-core	0.58~0.81	3.71	4.85S	6.15
	RG-140/U	75	single-core	0.64	3.71	4.47S	5.92
	SYV-50-5-2	50	single-core	1.37	4.6±0.20	6.20D	7.8±0.30
	RG-5A/U	50	single-core	1.29	4.60	6.30D	8.33
	RG-212/U	50	single-core	1.44	4.70	6.30D	8.43
	RG-222/U	50	single-core	1.41	4.70	6.30D	8.43
	RG-21/U	53	single-core	1.29	4.70	6.30D	8.43
	RG-6A/U	75	single-core	0.72	4.70	6.30D	8.43

Dimensions of Common used RF Coaxial Cable

Illustrate: 1. Explanation of outer diameter letters of shielding layer: S-braided shielding layer, D-double braided shielding layer.
2. Armored cable RG-XXX/U represents the international cable model.
3. The execution standards for domestic flexible cables and semi rigid cables si SJ1132-77 and SJ498-83.
4. The international standard for flexible and semi rigid cables is MIL-C-17-F.

Cable code	Cable Type	Impedance Ω	Diameter $\varnothing$ (mm)				
			Inner conductor		Insulator outer diameter	Shield outer diameter	Jacket outer diameter
			Constitute	Outer diameter			
7	SYV-50-7-1	50	7X0.75	2.26	7.3 $\pm$ 0.25	8.5S	10.2 $\pm$ 0.30
	RG-165/U	50	7X0.80	2.40	7.25	8.64S	10.40
	RG-213/U	50	7X0.75	2.26	7.25	8.64S	10.28
	RG-215/U	50	7X0.75	2.26	7.25	8.64S	12.07
	RG-8/U	52	7X0.72	2.17	7.24	8.20S	10.29
	RG-10/U	52	7X0.72	2.17	7.24	8.20S	12.07
	SYV-75-7	75	7X0.4	1.20	7.25 $\pm$ 0.25	8.50S	10.2 $\pm$ 0.30
	RG-11/U	75	7X0.4	1.20	7.24	8.20S	10.29
	RG-144/U	75	7X0.45	1.35	7.25	8.38S	10.40
	RG-214/U	50	7X0.75	2.26	7.25	9.14D	10.80
	RG-225/U	50	7X0.79	2.38	7.24	9.14D	10.92
	RG-9U	51	7X0.72	2.17	7.11	8.70D	10.67
8	SYV-50-7-2	50	7X0.75	2.26	7.3 $\pm$ 0.25	9.30D	11.2 $\pm$ 0.30
9	SYV-50-9	50	-	2.85	9.0 $\pm$ 0.30	10.2	12.4 $\pm$ 0.40
	RG-119/U	50	-	2.59	8.43	10.52D	11.81
10	SYV-50-12	50	-	3.6	11.5 $\pm$ 0.4	12.8	15 $\pm$ 0.50
	RG-34/U	71	7X0.72	2.17	11.56	12.9	15.88
	RG-217/U	50	-	2.69	9.40	11.76D	15.62
11	SYV-50-15	50	-	4.62	15 $\pm$ 0.50	16.4	19 $\pm$ 0.50
12	SYV-75-3	75	-	0.51	3 $\pm$ 0.15	3.85S	5 $\pm$ 0.25
13	SYV-75-5-1/2	75	-	0.72, 0.78	4.60 $\pm$ 0.20	5.5S	7.1 $\pm$ 0.30
15	SYV-75-7	75	7X0.40	1.20	7.3 $\pm$ 0.25	8.50S	10.2 $\pm$ 0.30
16	SYV-75-9	75	-	1.37	9 $\pm$ 0.30	10.2	12.4 $\pm$ 0.40
17	SYV-75-15	75	-	2.46	15 $\pm$ 0.50	16.4	19 $\pm$ 0.50
18	SYV-75-17	75	-	2.85	17.3 $\pm$ 0.70	19.36	22.2 $\pm$ 0.60
19	SYV-100-7	-	-	0.6	7.3 $\pm$ 0.25	8.5	10.2 $\pm$ 0.30
27	SYV-50-5-1	50	-	1.37	4.6 $\pm$ 0.20	5.5S	7 $\pm$ 0.30
28	SYV-50-5-2	50	-	1.37	4.6 $\pm$ 0.20	6.2D	7.8 $\pm$ 0.30
29	SYV-50-17	50	-	5.2	17.3 $\pm$ 0.70	19.3	22.2 $\pm$ 0.60
30	SYV-50-5-23-1/2	50	-	6.85	23 $\pm$ 0.10	25.4 $\pm$ 0.10	28.8 $\pm$ 0.70
31	SYV-50-5-28-1/2	-	-	8.25	28 $\pm$ 0.10	30 $\pm$ 0.10	34.5 $\pm$ 0.8
32	SYV-75-2	75	7X0.08	0.24	1.5 $\pm$ 0.10	2.1S $\pm$ 0.10	2.9 $\pm$ 0.1
33	SYV-75-12	75	-	1.92	11.5 $\pm$ 0.40	12.8	15 $\pm$ 0.50
34	SYV-75-23-1/2	75	-	3.18	23 $\pm$ 1.0	25 $\pm$ 0.10	28.8 $\pm$ 0.70
35	SYV-75-28-1/2	75	-	4.5	28 $\pm$ 1.0	30 $\pm$ 0.10	34.5 $\pm$ 0.80

Semi rigid and semi flexible cable

Cable code	Cable Type	Impedance Ω	Diameter $\varnothing$ (mm)				
			Inner conductor		Insulator outer diameter	Shield outer diameter	Jacket outer diameter
			Constitute	Outer diameter			
B2	SFT-50-2-1	50	single-core	0.51	1.67	2.2	
	SFT-75-2	75	single-core	0.27	1.67	2.2	
	RG405/U	50	single-core	0.51	1.67	2.2	
B3	SFT-50-3-1	50	single-core	0.93	3.0	3.6	
	SFT-75-3	75	single-core	0.55	3.0	3.6	
	RG-402/U	50	single-core	0.92	3.0	3.6	
B5	SFT-50-5.2	50	single-core	1.60	5.2	6.0	
	SFT-75-5.3	75	single-core	0.95	5.3	6.0	



Dimensions of Corrugated Copper Tube Cables

Common corrugated copper tube cable

Inch size	Cable Type	Impedance Ω	Diameter $\varnothing$ (mm)						
			Inner conductor		Insulator		Outer conductors		Jacket outer diameter
			Constitute	Outer diameter	Constitute	Outer diameter	Constitute	Outer diameter	
1/4"	RFF 1/4"-50(NK) (Super flexible)	50	Copper wire	1.9	Foamed polyethylene	4.8	Spiral corrugated copper tube	6.4	7.4
	FSJ1-50A (HELIAX ANDREW) (Super flexible)	50	Copper wire	1.9	Foamed polyethylene	4.7	Spiral corrugated copper tube	6.4	7.4
	HS1RP-50A (HELIAX ANDREW)	50	Copper wire	-	Air-dielectric	4.7	Spiral corrugated copper tube	6.4	7.4
	LDF1-50 (HELIAX ANDREW)	50	Copper wire	2.6	Foamed polyethylene	-	Ring shape corrugated copper tube	7.7	8.8
3/8"	SYFY-50-7-51	50	Copper wire	3.1	Foamed polyethylene	-	Spiral corrugated copper tube	9.7	11
	HST2-50 (HELIAX ANDREW)	50	Copper wire	-	Air-dielectric	-	Spiral corrugated copper tube	9.5	10.5
	RFF 3/8"-50(NK) (Super flexible)	50	Steel coated aluminum wire	2.6	Foamed polyethylene	6.5	Spiral corrugated copper tube	9.0	10.1
	FSJ2-50 (HELIAX ANDREW)	50	-	2.8	Foamed polyethylene	-	Spiral corrugated steel tube	9.5	10.5
1/2"	HLT4-50T (HELIAX ANDREW)	50	-	4.8	Air-dielectric	-	Spiral corrugated steel tube	14	15.5
	RFF1/2"-50(NK) (Super flexible)	50	Steel coated aluminum wire	3.55	Foamed polyethylene	9.0	Spiral corrugated steel tube	11.9	13.5
	FSJ4-50 (HELIAX ANDREW) (Super flexible)	50	-	3.6	Foamed polyethylene	-	Spiral corrugated copper tube	12.2	13.5
	LDF4-50 (HELIAX ANDREW)	50	-	4.6	Foamed polyethylene	-	Ring shape corrugated copper tube	14	16
5/8"	HJ4.5-50 (HELIAX ANDREW)	50	-	6.9	Air-dielectric	-	Spiral corrugated steel tube	19.7	22.2
7/8"	VXL5-50 (HELIAX ANDREW)	50	Spiral steel tube	9.42	Foamed polyethylene	-	Spiral corrugated steel tube	24.9	27.5
	HJ5-50 (HELIAX ANDREW)	50	Copper tube	9.1	Air-dielectric	-	Spiral corrugated steel tube	25.7	28.2
	RFF 7/8"-50(NK) (Super flexible)	50	Steel tube	9.1	Foamed polyethylene	23.2	Spiral corrugated copper tube	23.5	28.7

Special cable dimensions

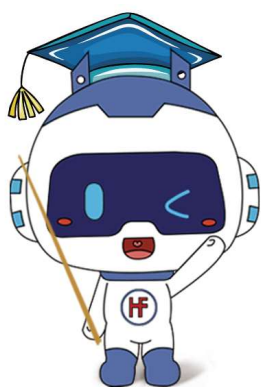


Special cable

Cable code	Cable Type	Impedance Ω	Outer diameter $\varnothing$ (mm)			
			Inner conductor	Insulator	Shield	Jacket
500	1/2"SFX500PE	50	3.5	-	10.2	11.5
540	1/2"FXL540PE	50	5	-	13.6	15.4
601	LMR400	50	2.74	7.24	8.13	10.29
602	RG6-5	75	0.9	4.9	5.9	7.3
603	RG-11	75	2.17	7	8.7	10.67
605	TEFLX-RG401	50	1.6	5	6.5	7
607	LMR-240	50	1.42	3.81	4.52	6.10
608	SUJ-50-7-5	50	2.6	7.2	7.7	10.5
619	RG223/V	50	0.89	2.95	4.47	5.49
625	LMR-600	50	4.47	11.56	12.45	14.99
626	RG-6	75	1	4.6	5.4	6.9
631	7D-FB	50	2.6	7.3	8.2	9.8
632	10D-FB	50	3.5	10	11	13
634	5D-FB	50	1.8	5	5.9	7.5
635	8D-FB	50	2.8	7.8	8.8	10.4
636	12D-FB	50	4.4	12.4	13.3	15.6
637	SFB-50-7	50	2.5	7.3	8.1	9.2
640	SFT-205	50	1.29	3.91	4.75	5.21
643	LMR-195	50	0.94	2.79	3.53	4.95
644	LMR-200-50	50	1.12	2.95	3.66	4.95
645	LMR-200-75	75	0.7	2.95	3.66	4.95
646	LMR-240-75	75	0.9	4	4.52	6.1
647	LMR-400-75	75	1.6	7.4	8.13	10.3
653	3C/U	75	0.5	3.1	4.4	6.6
665	THERMAX/CDTMS ² 190	50	7/0.4	3.45	4.2	4.8
684	3D-FB	50	1.07	3	3.55	5.40

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