



INNOVATE / COOPERATION / WIN-WIN

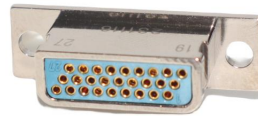


**J14 SERIES
RECTANGLE ELECTRICAL CONNECTOR
PRODUCT INTRODUCTION**

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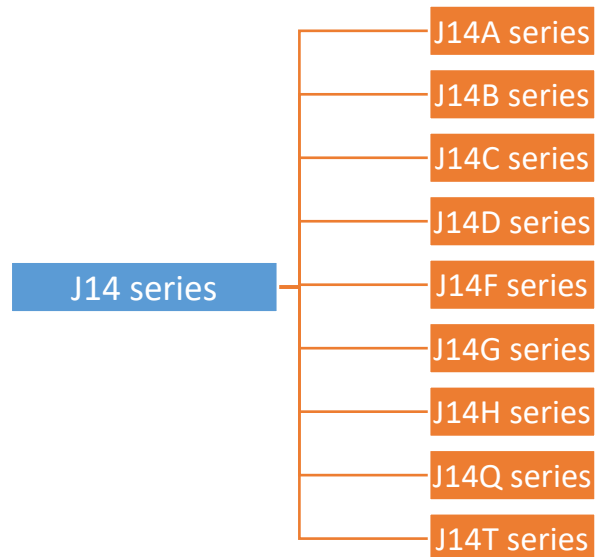
The J14 series connectors feature a dual locking mechanism (J14A, B, C, D, F, G, H, Q, T) that combines quick operation with reliable connection security. These rectangular connectors are designed for welding termination and are widely used in strategic weapon systems, aerospace satellite systems, launch vehicles, ground support systems, as well as various electronic instruments, meters, and cable connections.



Features

- ✓ Low frequency electrical connector.
- ✓ The double safety locking mechanism. It is a combination of a quick and reliable operation and a reliable connection type in the rectangular electrical connector.
- ✓ Round corner anti-insert design, small size, light weight

✓ Type of J14 Series



J14A series

Description

J14A rectangular connector is a low-frequency electrical connector with double safety locking mechanism, which is a connection locking form that takes into account fast operation and reliable use in rectangular electrical connectors. Round corner anti-insert design, small size, light weight.

When the end of the J14A rectangular connector is solder cup type, the diameter of the welding wire hole is 60.6mm, and the cross-sectional area of the wire core is 0.15mm², but it should not exceed 0.2mm². When the end J14A rectangular connection is pin type, the diameter of the welding needle is 60.6-60.7mm.

Main technical performance

Rated current :3A

Contact resistance:

Before life test :≤6mΩ

After life test :≤10mΩ

Insulation resistance:

Standard condition :≥2000 MΩ

High temperature :≥ 1000 MΩ

Humidity :≥20MΩ

Withstand voltage

Standard condition: 800V

Low pressure conditions: 250V

Performance specification

Temperature rating: -55 °C ~ +125 °C

Relative humidity: 40 °C ± 2 °C, 90% ~ 95%

Vibration: at 10 Hz~2000 Hz, acceleration 196 m/s²

Shock: 980 m/s²

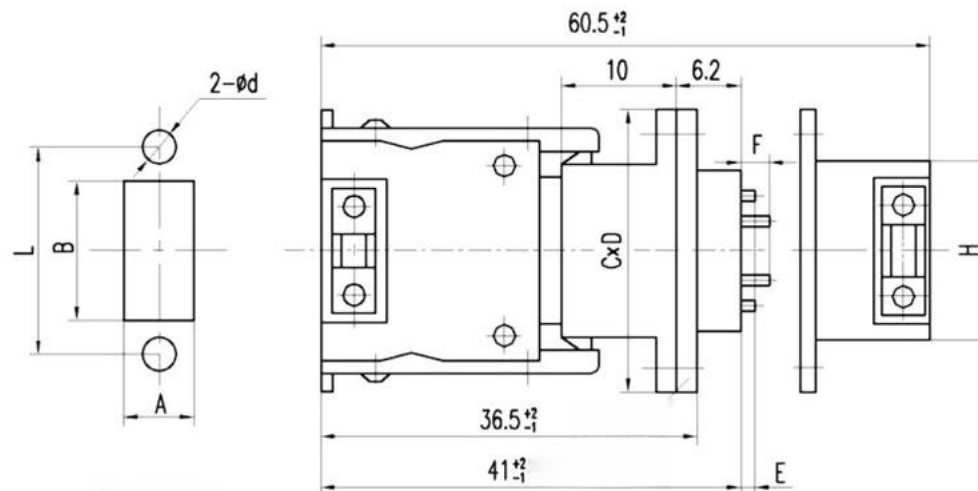
Atmospheric pressure: 101.3 KPa ~ 1.33 KPa

Acceleration: 780 m/s².

Contact layout

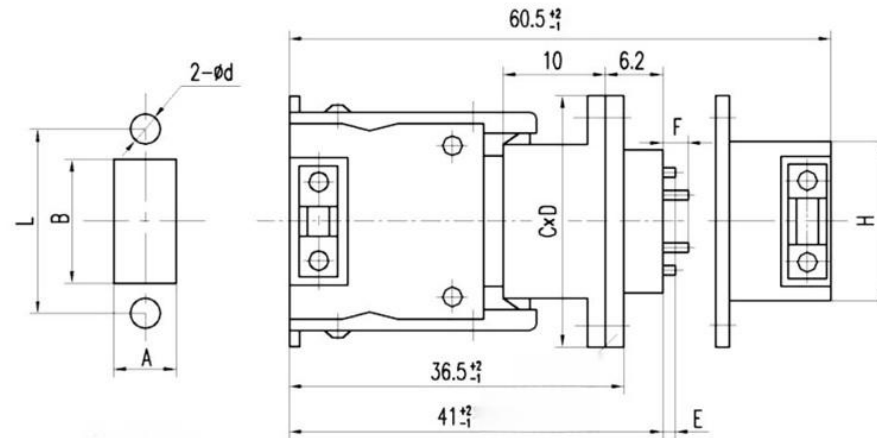
Contact number	pin receptacle	socket receptacle
9		
15		
20		
26		
38		
51		
62		
74		
101		

Normal plug and solder cable/panel receptacle



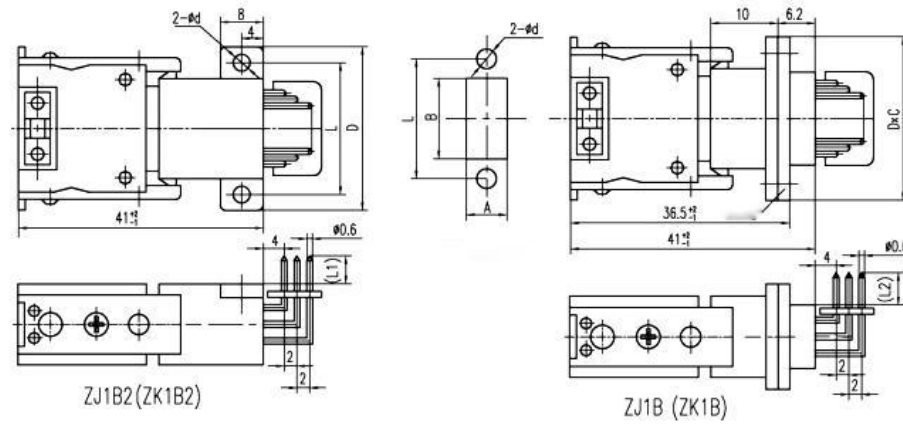
Type	contact number	L±0.1	A ^{+0.4} / _{+0.2}	B ^{+0.4} / _{+0.2}	C	D	d	E ^{+0.3} / _{-0.2}	F ^{+0.3} / _{-0.2}	G	H	current	
J14A-n	9	22	6.6	15.2	28	12	3	2.8	2.8	60.5	17 ⁰ / _{-0.1}	3A	
	15	28	6.6	21.2	34	12	3		2.8	60.5	23 ⁰ / _{-0.1}		
TJ	20	34	10	25	41	16	3.5		2.8	60.5	28.2 ⁰ / _{-0.15}		
ZKB	26	34	10	25	41	16	3.5		2.8	60.5	28.2 ⁰ / _{-0.15}		
J14W-n	ZKL	38	42	10	33	49	16		3.5	2.8	60.5		36.2 ⁰ / _{-0.15}
	ZJB	51	52	10	43	59	16		3.5	2.8	62.5		46.1 ⁰ / _{-0.15}
	ZJL	62	58	10	49	65	16		3.5	2.8	60.5		52.2 ⁰ / _{-0.15}
		74	54	12	45	61	18		3.5	4.8	60.5		47.4 ⁰ / _{-0.15}
		101	58	14	49	65	20		3.5	4.8	60.5		52.2 ⁰ / _{-0.15}

Normal plug and solder narrow flange panel/cable receptacle



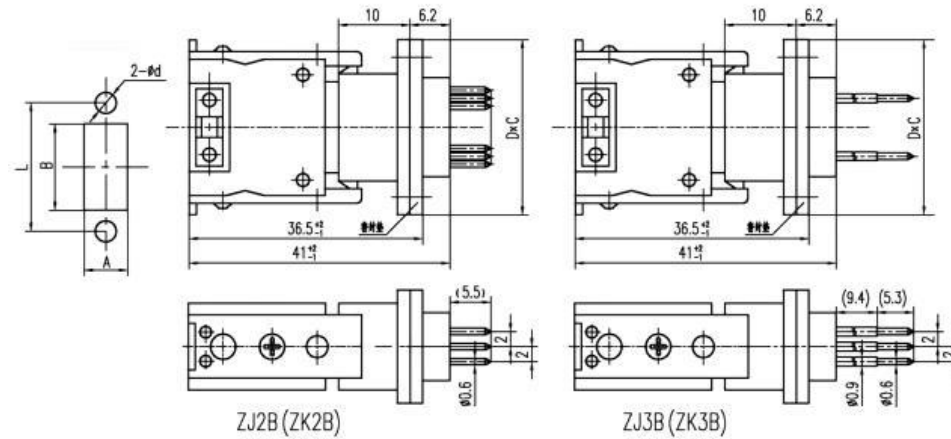
Type	contact number	L±0.1	A ^{+0.4} / _{+0.2}	B ^{+0.4} / _{+0.2}	C	D	d	E ^{+0.3} / _{-0.2}	F ^{+0.3} / _{-0.2}	H	
J14A-n	TK	9	22	6.6	15.2	28	8.9	2.8	2.8	17 ⁰ / _{-0.1}	
	TJ	15	28	6.6	21.2	34	8.9		2.8	23 ⁰ / _{-0.1}	
	ZKB1	20	34	10	25	41	12		3.5	2.8	28.2 ⁰ / _{-0.15}
J14W-n	ZKL1	26	34	10	25	41	12		3.5	2.8	28.2 ⁰ / _{-0.15}
	ZJB1L	38	42	10	33	49	12		3.5	2.8	36.2 ⁰ / _{-0.15}
	ZKB1L	51	52	10	43	59	12		3.5	2.8	46.1 ⁰ / _{-0.15}
	ZKB1L	62	58	10	49	65	12		3.5	2.8	52.2 ⁰ / _{-0.15}
	ZKB1L	74	54	12	45	61	14		3.5	4.8	47.4 ⁰ / _{-0.15}
		101	58	14	49	65	16		3.5	4.8	52.2 ⁰ / _{-0.15}

Normal plug and 90° Elbow PCB receptacle



Type		contact number	L±0.1	A ^{+0.4} / _{+0.2}	B ^{+0.4} / _{+0.2}	C	D	d	contact		Pin diameter to fit PCB	L1	L2	
									Dot spacing	Row spacing				
J14A-n	TK	9	22	6.6	15.2	28	8.9	3	2	2	φ 0.6	3	4.2	
		15	28	6.6	21.2	34	8.9	3	2	2		3	4.2	
	ZK1B2	TJ	20	34	10	25	41	12	3.5	2		2	2.5	3.5
		26	34	10	25	41	12	3.5	2	2		2.5	3.5	
J14W-n	ZK1B	38	42	10	33	49	12	3.5	2	2		2.5	3.5	
		51	52	10	43	59	12	3.5	2	2		2.5	3.5	
	ZJ1B2	62	58	10	49	65	12	3.5	2	2		2.5	3.5	
		ZJ1B	74	54	12	45	61	14	3.5	2		2	2.5	3.5
	101		58	14	49	65	16	3.5	2	2	2.5	3.5		

Normal plug and straight PCB receptacle



Type	contact number	L±0.1	A ^{+0.4} / _{+0.2}	B ^{+0.4} / _{+0.2}	C	D	d	contact		Pin diameter to fit the printed board	
								Dot spacing			
J14A-n	TK	9	22	6.6	15.2	12	28	3	2	2	Φ 0.6
		15	28	6.6	21.2	12	34	3	2	2	
	TJ	20	34	10	25	16	41	3.5	2	2	
		26	34	10	25	16	41	3.5	2	2	
J14W-n	ZK2B	38	42	10	33	16	49	3.5	2	2	
	ZJ2B	51	52	10	43	16	59	3.5	2	2	
	ZK3B	62	58	10	49	16	65	3.5	2	2	
	ZJ3B	74	54	12	45	18	61	3.5	2	2	
		101	58	14	49	20	65	3.5	2	2	

J14B series

Description

- Belongs to the low frequency electrical connector
- Double safety locking mechanism, is a rectangular electrical connector taking into account the fast operation, the use of reliable connection locking form
- On the basis of the J14A series connector shell, increase the density of the contact parts and rainproof function
- Rounded anti-reverse insert design
- Small size, light weight
- socket panel fixed
- With cable, The end connection form is crimped, and the cable specification and length are determined by the user

Main technical performance

Rated current: 2A

Contact resistance: Before life test: $\leq 10\text{m}\Omega$

After life test: $\leq 15\text{m}\Omega$

Insulation resistance: Under standard conditions: $\geq 1000\text{M}\Omega$

Under high temperature

conditions: $\geq 80\text{M}\Omega$

Under humid conditions: $\geq 10\text{M}\Omega$

Under rain conditions: $\geq 5\text{M}\Omega$

Voltage resistance: Under standard conditions: 800V

Under low pressure conditions: 250V

Mechanical life: 500 cycles

Performance specification

Temperature rating: $-55\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$

Relative humidity: $40\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, 90% ~ 95%

Vibration: at 10 Hz~2000 Hz, acceleration 196 m/s^2

Shock: 980 m/s^2

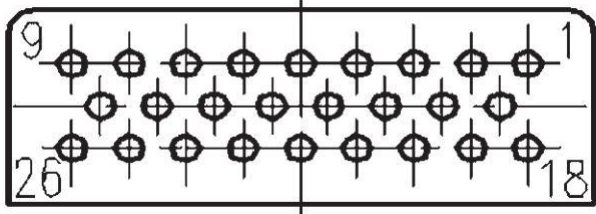
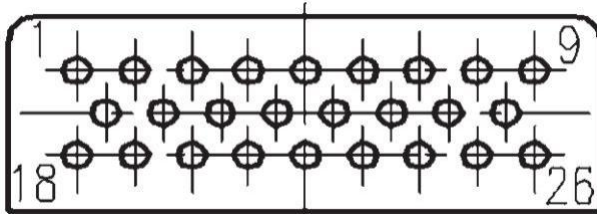
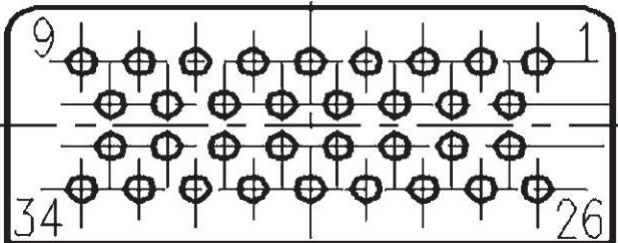
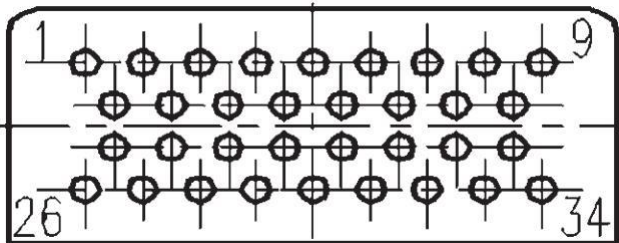
Atmospheric pressure: 101.3 KPa ~ 1.33 KPa

Acceleration: 780 m/s^2 .

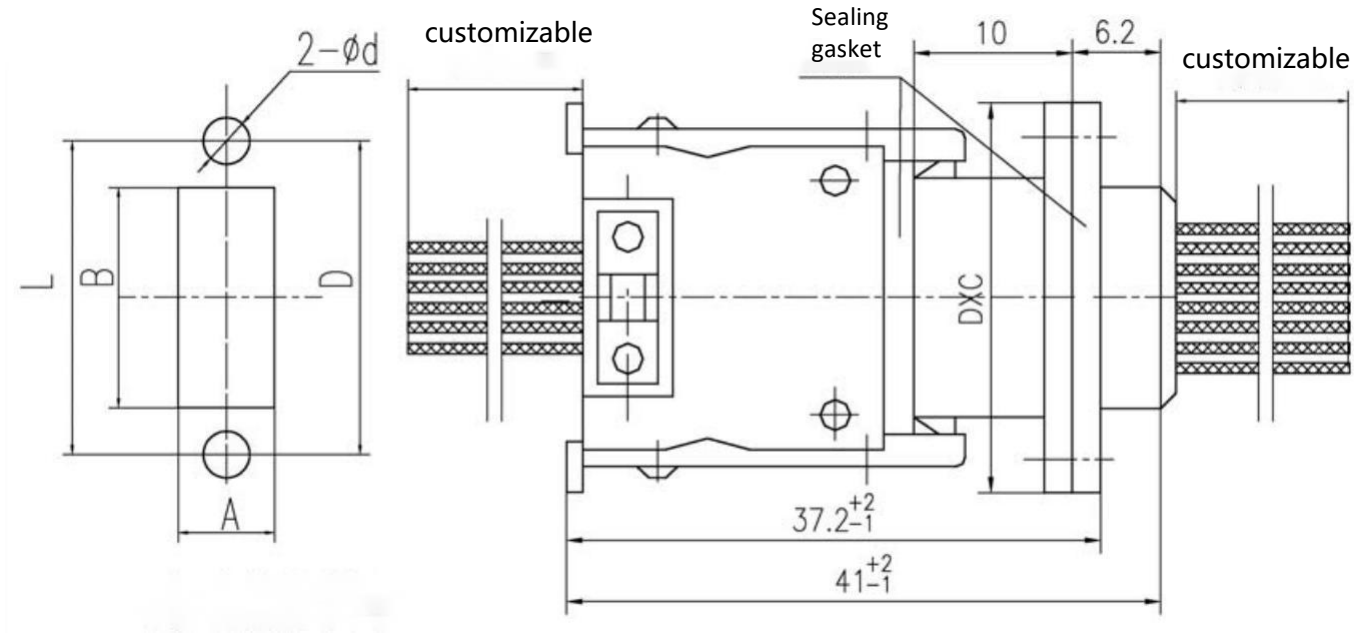
Order mark

	J14B	-26	T	K
Basic series				
Number of contact				
26, 34				
Type of plug and receptacle				
T = Plug				
Z = Receptacle				
Type of contact				
J = Pin				
K = Socket				

Contact layout

Contact number	Pin Receptacle	Socket Receptacle
26	 <p>Diagram showing the pin receptacle layout for a 26-pin connector. The contacts are arranged in two rows of 13. The top row is numbered 9 to 1 from left to right. The bottom row is numbered 26 to 18 from left to right.</p>	 <p>Diagram showing the socket receptacle layout for a 26-pin connector. The contacts are arranged in two rows of 13. The top row is numbered 1 to 9 from left to right. The bottom row is numbered 18 to 26 from left to right.</p>
34	 <p>Diagram showing the pin receptacle layout for a 34-pin connector. The contacts are arranged in three rows. The top row is numbered 9 to 1 from left to right. The bottom row is numbered 34 to 26 from left to right.</p>	 <p>Diagram showing the socket receptacle layout for a 34-pin connector. The contacts are arranged in three rows. The top row is numbered 1 to 9 from left to right. The bottom row is numbered 26 to 34 from left to right.</p>

Shell Size



Type	L	A ^{+0.4} _{+0.2}	B ^{+0.4} _{+0.2}	C	D	d
J14B-26T/Z	28	6.6	21.2	12	34	3
J14B-26TK/ZJ						
J14B-34T/Z	34	10	25	16	41	3.5
J14B-34TK/ZJ						

The matching set

Plug type	Receptacle type
J14B-26T	J14B-26Z
J14B-26TK	J14B-26ZJ
J14B-34T	J14B-34Z
J14B-34TK	J14B-34ZJ

J14C series

Description

- J14C series rectangular connector adopts metal shield shell, with round-corner anti-insert design, small size and light weight;
- J14C series rectangular connector is equipped with a push-pull type double safety lock unloading structure
- J14C series rectangular connector can be divided into pin plug, socket plug; pin panel receptacle, socket panel receptacle; pin type cable receptacle, socket type cable receptacle and other specifications.
- J14C series rectangular connector has the advantages of high density, lightweight and miniaturization, which can realize the system internal cable to cable, cable and PCB, and between PCB and PCB

Main technical performance

Rated current: 5A

Contact resistance: Before life test: $\leq 6\text{m}\Omega$

After life test: $\leq 10\text{m}\Omega$

Insulation resistance:

Under standard conditions: $\geq 2000\text{M}\Omega$

Under high temperature conditions: $\geq 1000\text{M}\Omega$

Under humid conditions: $\geq 20\text{M}\Omega$

Voltage resistance:

Under standard conditions: 800V

Under low pressure conditions: 250V

Mechanical life: 500 cycles

Performance specification

Temperature rating: $-55\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$

Relative humidity: at $40\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, 90% ~ 95%

Vibration: at 10 Hz~2000 Hz, acceleration 196 m/s^2

Shock: 980 m/s^2

Atmospheric pressure: 101.3 KPa ~ 1.33 KPa

Acceleration: 780 m/s^2 .

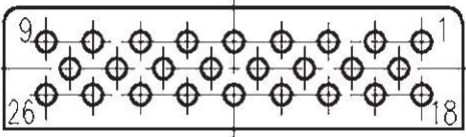
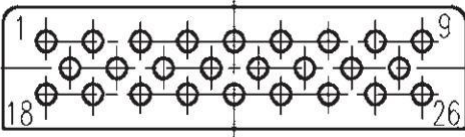
Order mark

	J14	C	-26	Z	K	B
Basic series						
Number of modification						
Number of contact						
See below						
Type of plug and receptacle						
T = Plug						
Z = Receptacle						
Type of contact						
J = Pin						
K = Socket						
Style of mounting						
B =Panel						
L= Cable						

The matching set

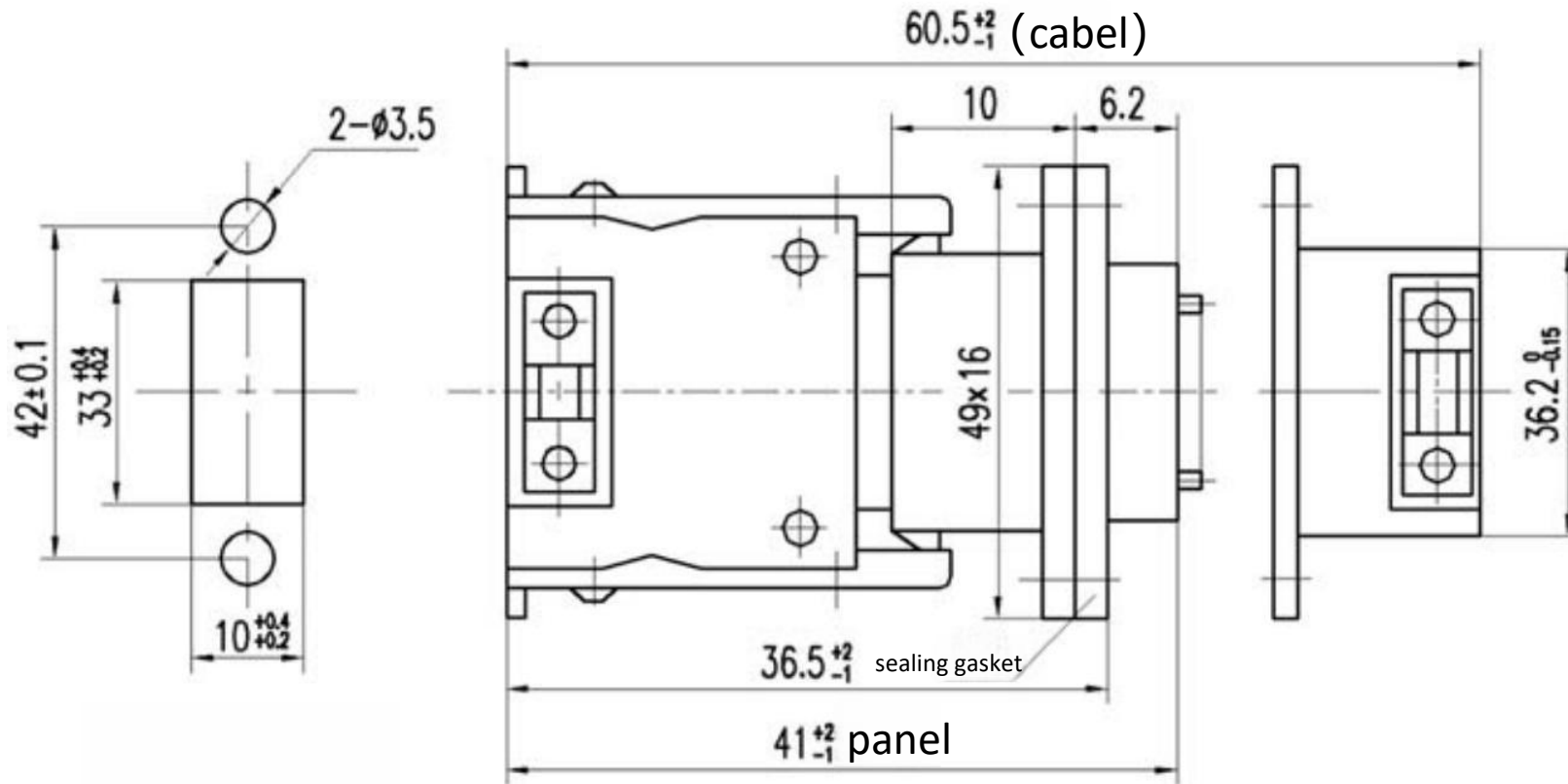
Plug type	Receptacle type
J14C-26TK	J14C-26ZJB
J14C-26TK	J14C-26ZJL
J14C-26TJ	J14C-26ZKB
J14C-26TJ	J14C-26ZKL

Contact layout

Contact number	Pin Receptacle	Socket Receptacle
26		

J14C-26 Shell Size

Normal plug and solder cable/panel receptacle



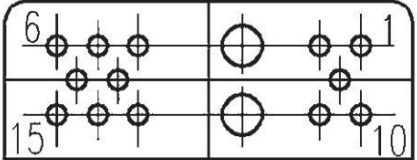
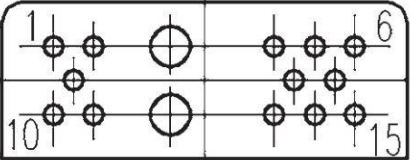
Order mark

	J14	D	-15	Z	K	B
Basic series						
Number of modification						
Number of contact						
See below						
Type of plug and receptacle						
T = Plug						
Z = Receptacle						
Type of contact						
J = Pin						
K = Socket						
Style of mounting						
B =Panel						
L= Cable						

The matching set

Plug type	Receptacle type
J14D-15TK	J14D-15ZJB
J14D-15TK	J14D-15ZJL
J14D-15TJ	J14D-15ZKB
J14D-15TJ	J14D-15ZKL

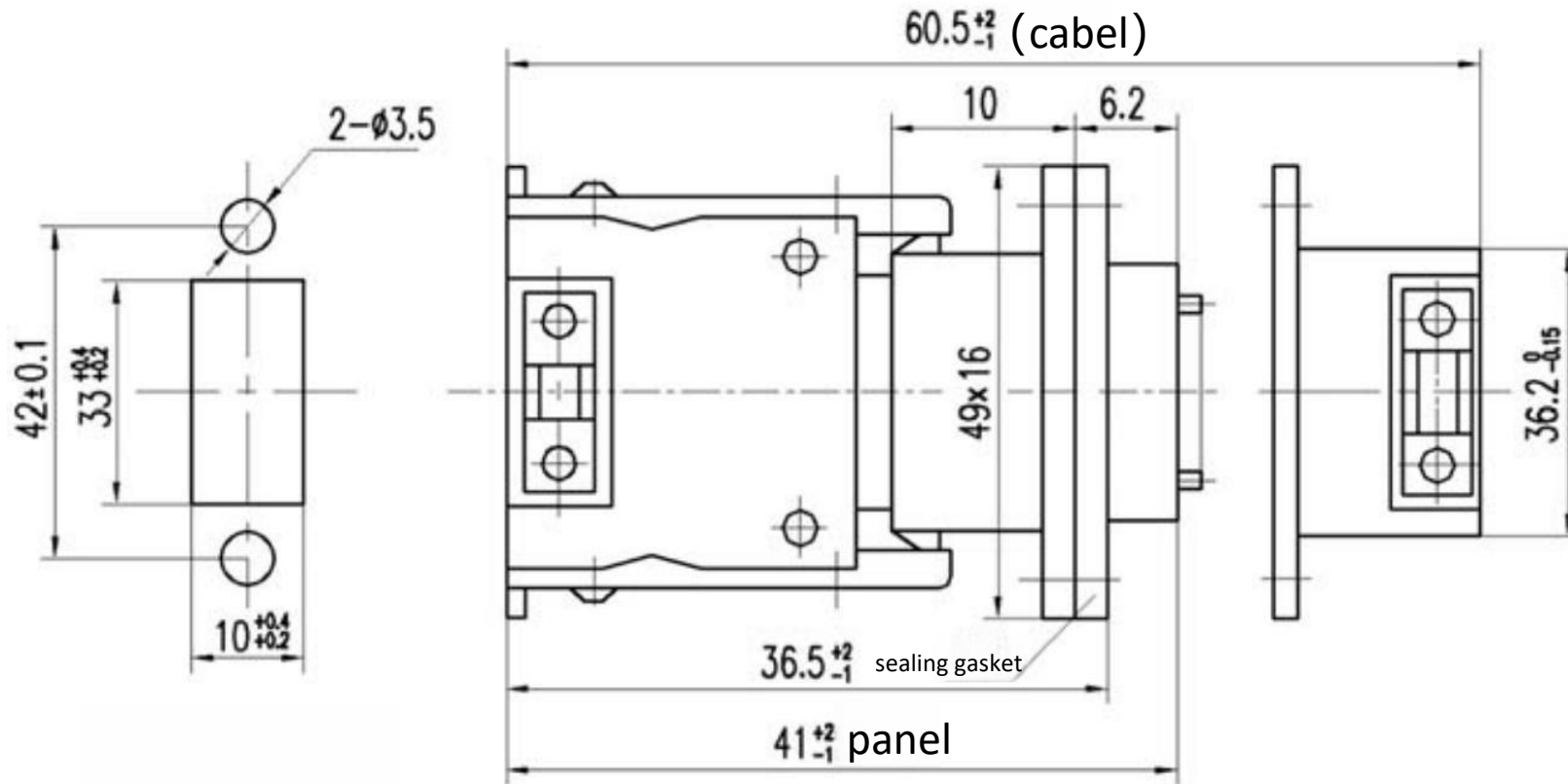
Contact layout

Contact number	Pin Receptacle	Socket Receptacle
15		

Note: Rated current is 2 \oplus 10A, 13 \oplus 3A

J14D Shell Size

Normal plug and solder cable/panel receptacle



J14F series

Description

J14F series connectors are push-pull electrical connectors with small size and high density. Equipped with 9, 15, 27, 36, 51 and other five contact.

The termination mode is crimped, and cables are drawn from both plugs and sockets. It can be widely used in space, aviation, ship, communication, computer and other industries of equipment and instrument cabin internal electrical signal connection.

Main technical performance

Rated current: 2A

Contact resistance: Before life test: $\leq 8\text{m}\Omega$
After life test: $\leq 10\text{m}\Omega$

Insulation resistance:

Under standard conditions: $\geq 2000\text{M}\Omega$

Under high temperature conditions: $\geq 1000\text{M}\Omega$

Under humid conditions: $\geq 10\text{M}\Omega$

Voltage resistance:

Under standard conditions: 500V

Under low pressure conditions: 250V

Mechanical life: 500 cycles

Performance specification

Temperature rating: $-55\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$

Relative humidity: at $40\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, 90% ~ 95%

Vibration: at 10 Hz ~ 2000 Hz, acceleration 196 m/s^2

Shock: 980 m/s^2

Atmospheric pressure: 101.3 KPa ~ 1.33 KPa

Acceleration: 780 m/s^2 .

Order mark

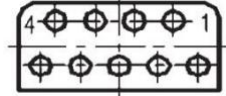
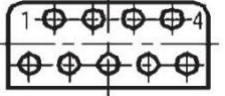
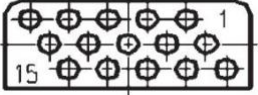
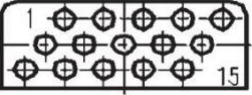


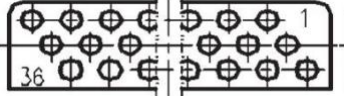



	J14	F	-15	Z	K	B
Basic series						
Number of modification						
Number of contact						
See below						
Type of plug and receptacle						
T = Plug						
Z = Receptacle						
Type of contact						
J = Pin						
K = Socket						
Style of mounting						
B =Panel						
L= Cable						

The matching set

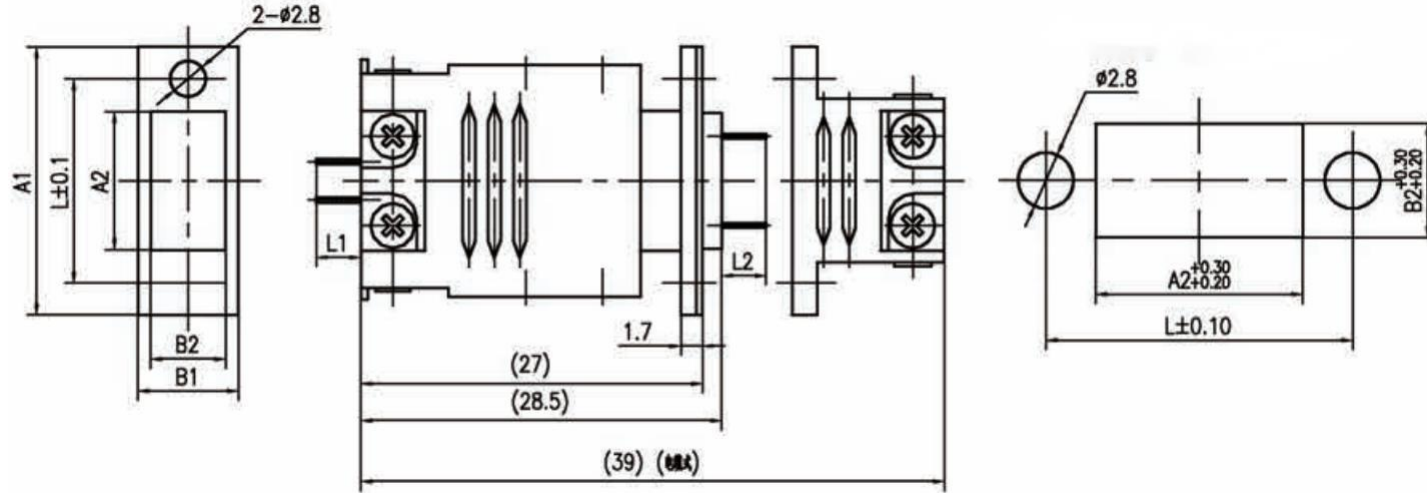
Plug type	Receptacle type
J14F-9TK	J14D-9ZJB
J14F-9TK	J14D-9ZJL
J14D-15TK	J14F-15ZJB
J14D-15TK	J14F-15ZJL
J14F-27TK	J14F-27ZJB
J14F-27TK	J14F-27ZJL
J14F-36TK	J14F-36ZJB
J14F-36TK	J14F-36ZJL
J14F-51TK	J14F-51ZJB
J14F-51TK	J14F-51ZJL

Plug type	Receptacle type
J14F-9TJ	J14F-9ZKB
J14F-9TJ	J14F-9ZKL
J14D-15TJ	J14F-15ZKB
J14D-15TJ	J14F-15ZKL
J14F-27TJ	J14F-27ZKB
J14F-27TJ	J14F-27ZKL
J14F-36TJ	J14F-36ZKB
J14F-36TJ	J14F-36ZKL
J14F-51TJ	J14F-51ZKB
J14F-51TJ	J14F-51ZKL

Contact layout

Contact number	Plug	Receptacle
9	 <p>Diagram showing a 9-pin plug contact layout with pins numbered 4 and 1.</p>	 <p>Diagram showing a 9-pin receptacle contact layout with pins numbered 1 and 4.</p>
15	 <p>Diagram showing a 15-pin plug contact layout with pins numbered 1 and 15.</p>	 <p>Diagram showing a 15-pin receptacle contact layout with pins numbered 1 and 15.</p>
27	 <p>Diagram showing a 27-pin plug contact layout with pins numbered 1 and 27.</p>	 <p>Diagram showing a 27-pin receptacle contact layout with pins numbered 1 and 27.</p>
36	 <p>Diagram showing a 36-pin plug contact layout with pins numbered 1 and 36.</p>	 <p>Diagram showing a 36-pin receptacle contact layout with pins numbered 1 and 36.</p>
51	 <p>Diagram showing a 51-pin plug contact layout with pins numbered 1 and 51.</p>	 <p>Diagram showing a 51-pin receptacle contact layout with pins numbered 1 and 51.</p>

J14F Shell Size



Type		A1	A2	L	B1	B2
J14F-9TK/ZJB	J14F-9TJ/ZKB	19	9.4	14.5	6.7	4.7
J14F-9TK/ZJL	J14F-9TJ/ZKL					
J14F-15TK/ZJB	J14F-15TJ/ZKB	21	10.8	16	7.9	5.9
J14F-15TK/ZJL	J14F-15TJ/ZKL					
J14F-27TK/ZJB	J14F-27TJ/ZKB	26	16.4	21.5	7.9	5.9
J14F-27TK/ZJL	J14F-27TJ/ZKL					
J14F-36TK/ZJB	J14F-36TJ/ZKB	31	20.6	26	7.9	5.9
J14F-36TK/ZJL	J14F-36TJ/ZKL					
J14F-51TK/ZJB	J14F-51TJ/ZKB	38	27.6	33	7.9	5.9
J14F-51TK/ZJL	J14F-51TJ/ZKL					

Note:

The crimped wire is AFR-250, The maximum outer diameter of the wire $\leq \phi 0.9\text{mm}$

Please specify the length and cross-sectional area of the wire (0.12mm^2 Or 0.15mm^2)

J14G series

Description

- The J14G series rectangular connectors are low-frequency electrical connectors, with round-corner anti-insert design, small size and light weight.
- J14G series rectangular connector is equipped with a push-pull type double safety lock unloading structure.
- J14G series rectangular connector can be divided into pin plug, socket plug; pin panel receptacle, socket panel receptacle; pin type cable receptacle, socket type cable receptacle and other specifications.
- J14G series rectangular connector has the advantages of high density, lightweight and miniaturization, which can realize the system internal cable to cable, cable and PCB, and between PCB and PCB.

Main technical performance

Rated current:

Contact diameter (mm)	0.8	1	1.5	2
Rated current (A)	3	5	10	15

Contact resistance:

Contact diameter (mm)	0.8	1	1.5	2
before test (mΩ)	6	6	3	3
after test (mΩ)	10	10	5	5

Insulation resistance:

Under standard conditions: $\geq 2000\text{M}\Omega$

Under high temperature conditions: $\geq 1000\text{M}\Omega$

Under humid conditions: $\geq 10\text{M}\Omega$

Voltage resistance:

Under standard conditions: 500V

Under low pressure conditions: 250V

Mechanical life: 500 cycles

Performance specification

Temperature rating: $-55\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$

Relative humidity: at $40\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, 90%
 $\sim 95\%$

Vibration: at 10 Hz~2000 Hz,
 acceleration 196 m/s^2

Shock: 980 m/s^2

Atmospheric pressure: $101.3\text{ KPa} \sim$
 1.33 KPa

Acceleration: 780 m/s^2 .

Order mark

	J14	G	-8	Z	K	B	1
Basic series							
Number of modification							
Number of contact							
See below							
Type of plug and receptacle							
T = Plug							
Z = Receptacle							
Type of contact							
J = Pin							
K = Socket							
Style of mounting							
B = Panel							
L = Cable							
Flange form							
1- Horizontally mounted narrow flange form							
Omit - horizontal mounting flange form							

Matching Condition

A pin plug and a socket receptacle (or a socket plug and a pin receptacle) with the same series number and the same number of contacts can be used together. For example, J14G-8TJ and J14G-8ZKB, J14G-11TK and J14G-11ZJL can be used together.

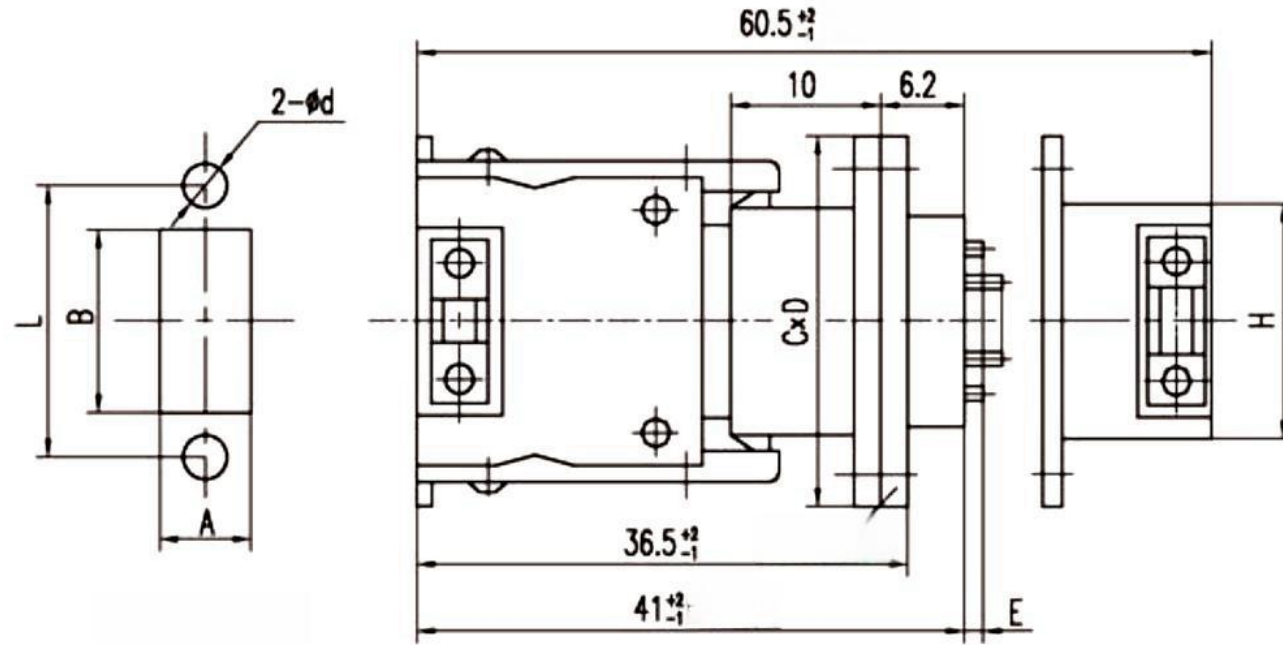
Contact layout

Contact number	Pin Receptacle	Socket Receptacle
8		
11		

Note: Rated current \oplus 15A, \bullet 10A, \oplus 3A

J14G Shell Size

Plug and solder cable receptacle, panel receptacle



Type (N for contact number)	contact number	L±0.1	A ^{+0.4} / _{+0.2}	B ^{+0.4} / _{+0.2}	C	D	d	E ^{+0.3} / _{-0.2}	H	Working current	
J14G-n	TK TJ ZKB	8	34	10	25	41	16	3.5	2.8	28.2 ⁰ / _{-0.15}	4 ↑ 10A, 4 ↑ 3A 3 ↑ 15A, 8 ↑ 3A
	ZKL ZJB	11	42	10	33	49	16				

J14H series

Description

The J14H series rectangular electrical connector belongs to the instrument type electrical connector, which has the characteristics of small size, high density, double safety locking, etc. The locking mechanism is connected and locked without action space, and the reliability is high. The terminating form of the product is welded. J14H connector is widely used in aerospace, aviation, ships, communications, computers and other industries of equipment and instrument cabin internal electrical signal connection

Main technical performance

Rated current: 3A

Contact resistance: Before life test: $\leq 6\text{m}\Omega$
After life test: $\leq 10\text{m}\Omega$

Insulation resistance:

Under standard conditions: $\geq 2000\text{M}\Omega$

Under high temperature conditions: $\geq 300\text{M}\Omega$

Under humid conditions: $\geq 20\text{M}\Omega$

In rainy conditions: $\geq 5\text{M}\Omega$ (rainproof type only)

Voltage resistance:

Under standard conditions: 500V

Under low pressure conditions: 250V

Under wet conditions: 250V

Mechanical life: 500 cycles

Performance specification

Temperature rating: $-55\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$

Relative humidity: at $40\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, 90% ~ 95%

Vibration: at 10 Hz~2000 Hz, acceleration 196 m/s^2

Shock: 980 m/s^2

Atmospheric pressure: 101.3 KPa ~ 1.33 KPa

Acceleration: 780 m/s^2 .

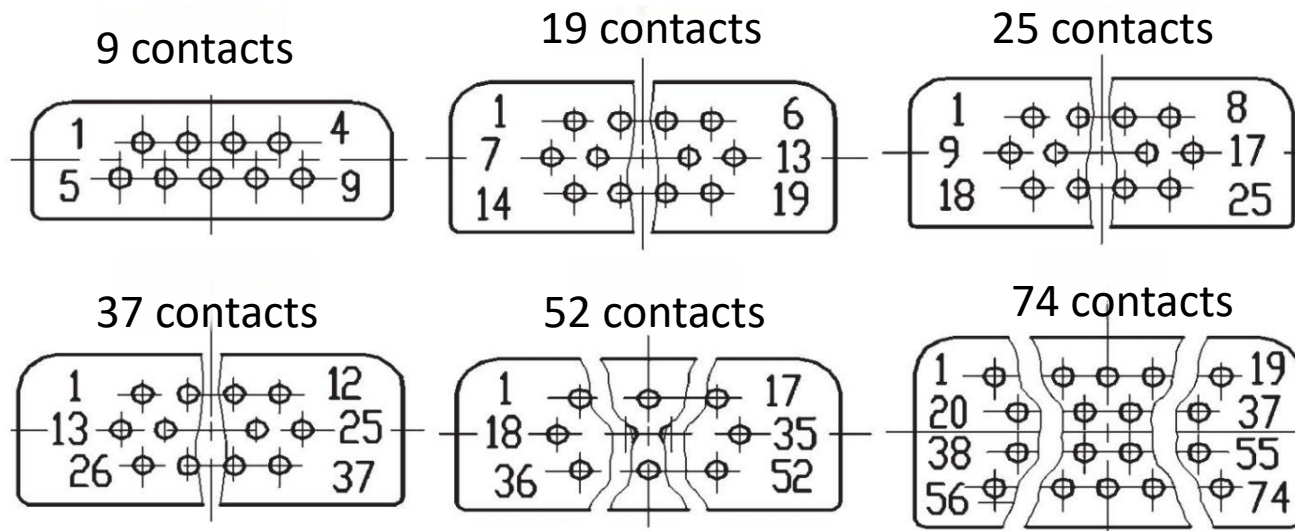
Order mark

	J14	H	-9	Z1	J2	B
Basic series						
Number of modification						
Number of contact						
See below						
Type of plug and receptacle						
T = Plug,Z = Receptacle						
T1- Rainproof plug, Z1- rainproof receptacle						
Type of contact						
Plug: All in the form of welded cable, not marked						
Sockets: All in the form of welded cables - not marked						
2=Short straight PCB ,3= Long straight PCB						
Style of mounting						
B =Panel						
L= Cable						

The matching set

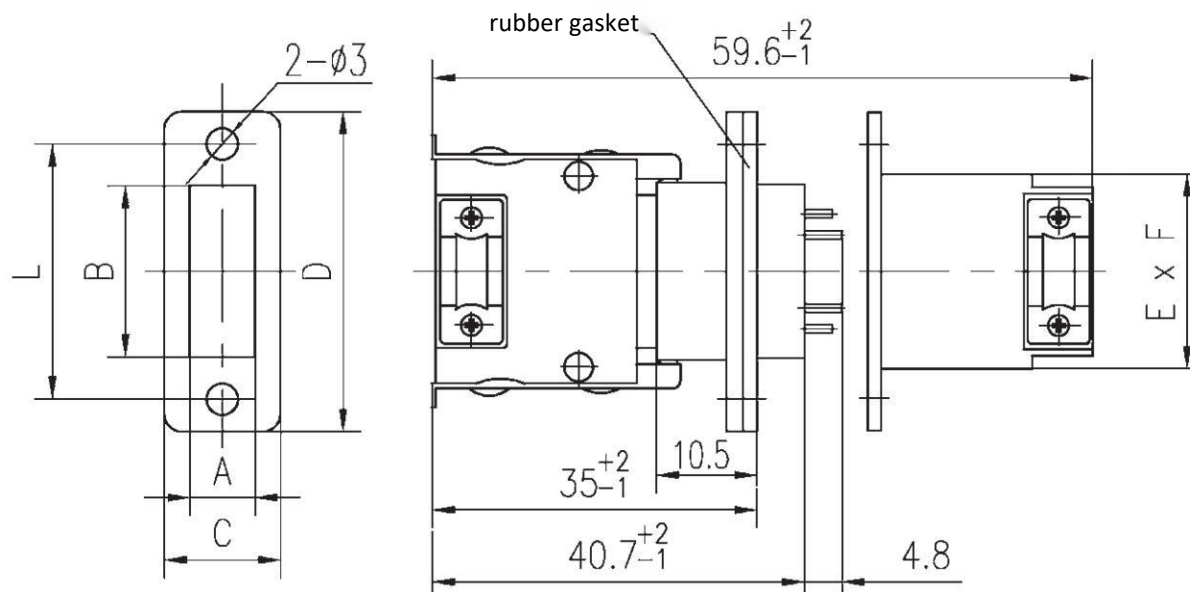
Plug	Matching Receptacle	Receptacle	Matching Plug	Note
J14H-9TK	J14H-9ZJB	J14H-9T1J	J14H-9Z1KB	T1/Z1 does not provide rain protection when paired with T/Z products
	J14H-9ZJ2B		J14H-9Z1K2B	
	J14H-9ZJ3B		J14H-9Z1K3B	
	J14H-9ZJL		J14H-9Z1KL	

Contact layout



J14H Shell Size

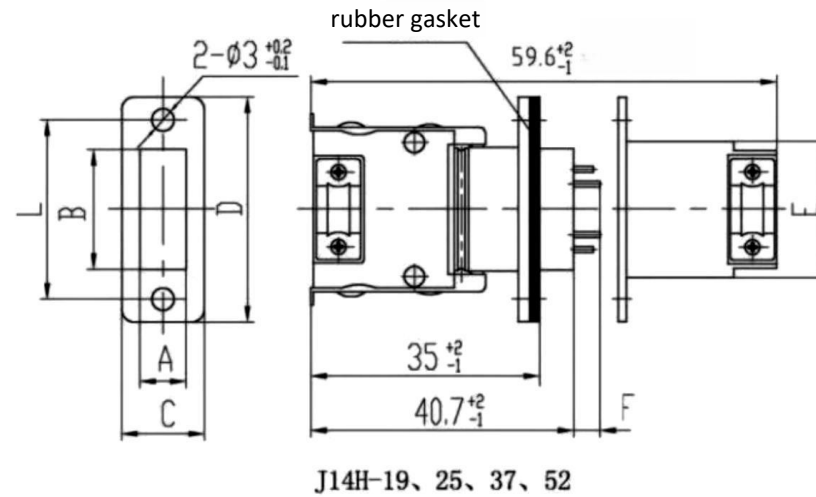
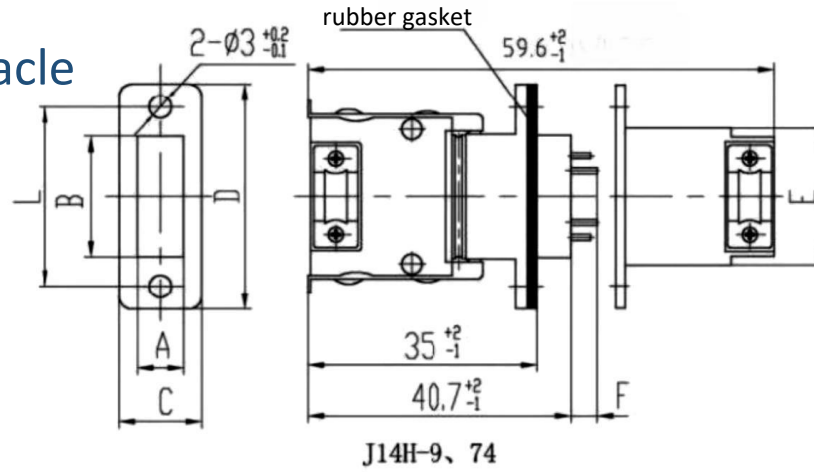
Non-rainproof plug, cable receptacle



Plug	Receptacle		Number of contacts	L	A	B	C	D	E	F
J14H-nTK J14H-nTJ	J14H-n	ZJB	9	23	5	14.2	10	28	15.7	7
		ZKB	19	27	8.1	18.2	12	32	20.2	10
		ZJL	25	30.4	8.1	21.6	12	35.4	23.6	10
		ZKL	37	37	8.1	28.2	12	42	30.2	10
		ZKL	52	46	8.1	37.2	12	51	39.2	10
			74	48	9.7	39.2	12.5	53	41.2	11.7

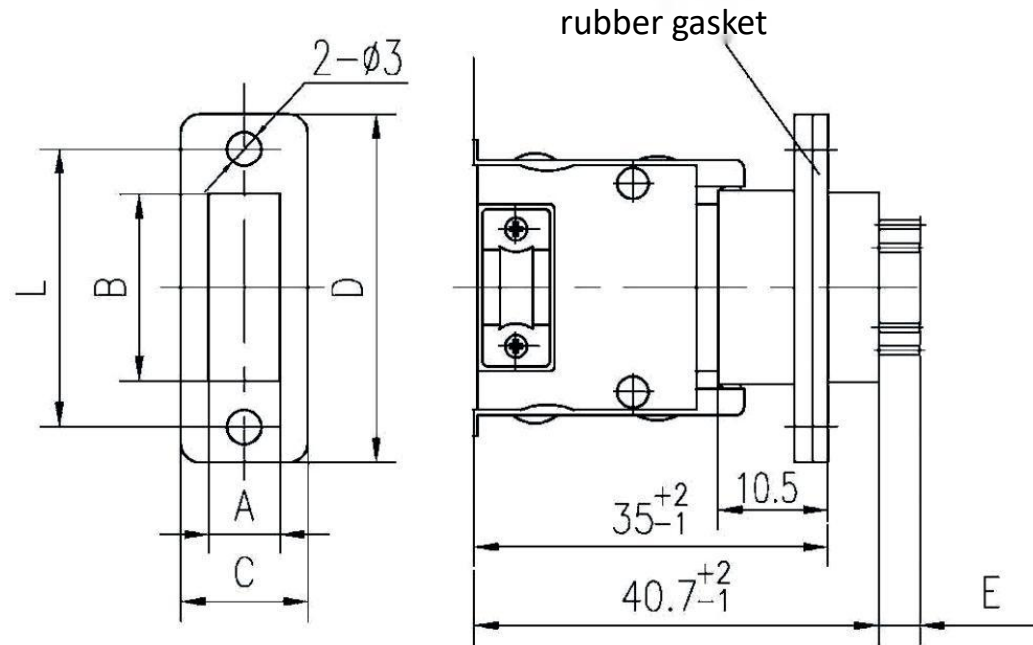
Note: The rubber gasket in the figure is only applicable to the panel receptacle.
When the number of contacts is 9, the size 4.8 in the figure is 2.8

Rainproof plug, cable receptacle



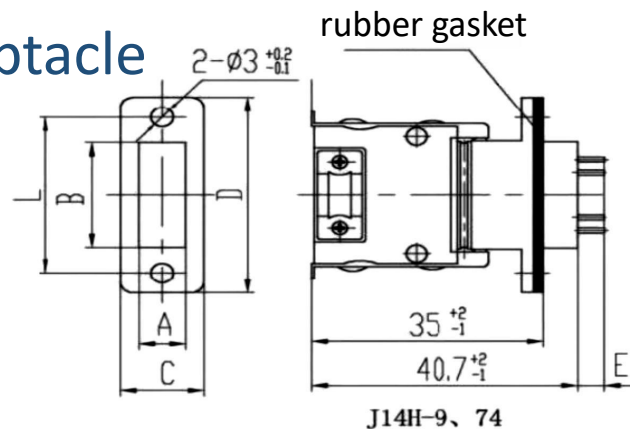
Type		Contacts	L	A	B	C	D	E	F
J14H-n	T1K	9	23	5	14.2	10.4	28	15.7	2.8
	T1J	19	27	8.1	18.2	12	32	20.2	4.8
	Z1KB	25	30.4	8.1	21.6	12	35.4	23.2	4.8
	Z1JB	37	37	8.1	28.2	12	42	30.2	4.8
	Z1KL	52	46	8.1	37.2	12	51	39.2	4.8
	Z1JL	74	48	9.7	39.2	12.5	53	41.2	4.8

Non-rainproof plug, PCB receptacle

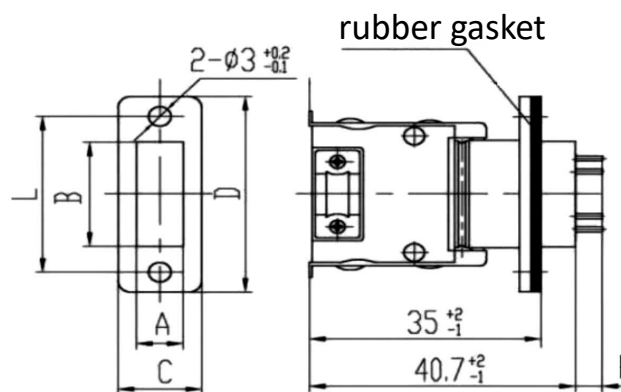


Type	Receptacle		Contacts	L	A	B	C	D	E
J14H-nTK J14H-nTJ	J14H-n	ZJ2B	9	23	5	14.2	10	28	15.7
		ZK2B	19	27	8.1	18.2	12	32	20.2
		ZJ3B	25	30.4	8.1	21.6	12	35.4	23.6
		ZK3B	37	37	8.1	28.2	12	42	30.2
			52	46	8.1	37.2	12	51	39.2
			74	48	9.7	39.2	12.5	53	41.2

Rainproof plug, PCB receptacle



J14H-9, 74



J14H-19, 25, 37, 52

Type		Contacts	L	A	B	C	D	E
J14H-n	T1K	9	23	5	14.2	10.4	28	15.7
	T1J	19	27	8.1	18.2	12	32	20.2
	Z12B	25	30.4	8.1	21.6	12	35.4	23.2
	Z12B	37	37	8.1	28.2	12	42	30.2
	Z13B	52	46	8.1	37.2	12	51	39.2
	Z13B	74	48	9.7	39.2	12.8	53	41.2

J14Q series

Description

J14Q series connector belongs to low frequency electric connector

- Screw locking mechanism
- round-angle anti-reverse insert design
- Cable tail cover has two ways of outlet, straight outlet and 90° outlet
- Small size, light weight
- End connector form is welded

Main technical performance

Rated current: 3A

Contact resistance: Before life test: $\leq 6\text{m}\Omega$
After life test: $\leq 10\text{m}\Omega$

Insulation resistance:

Under standard conditions: $\geq 2000\text{M}\Omega$

Under humid conditions: $\geq 20\text{M}\Omega$

Voltage resistance:

Under standard conditions: 500V

Under low pressure conditions: 250V

Under wet conditions: 250V

Mechanical life: 500 cycles

Performance specification

Temperature rating: $-55\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$

Relative humidity: at $40\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, 90% ~ 95%

Vibration: at 10 Hz~2000 Hz, acceleration 196 m/s^2

Shock: 980 m/s^2

Atmospheric pressure: $101.3\text{ KPa} \sim 1.33\text{ KPa}$

Acceleration: 780 m/s^2 .


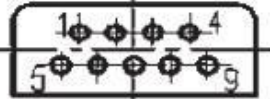
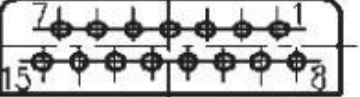
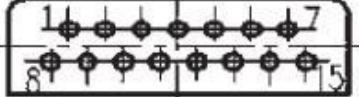
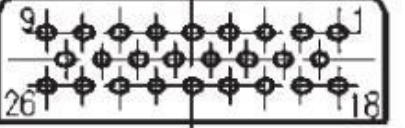

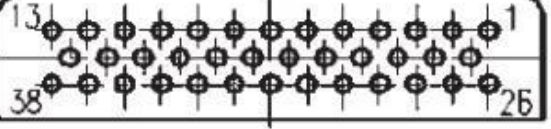
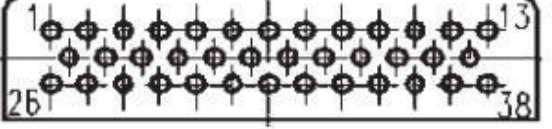
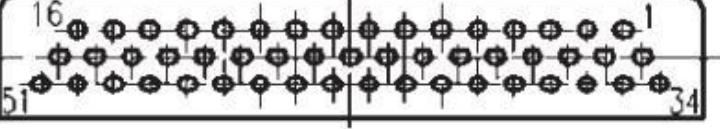
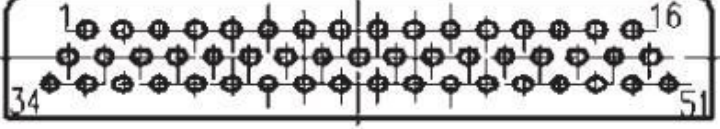
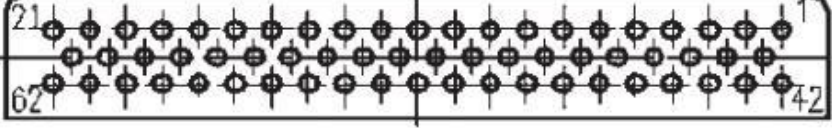
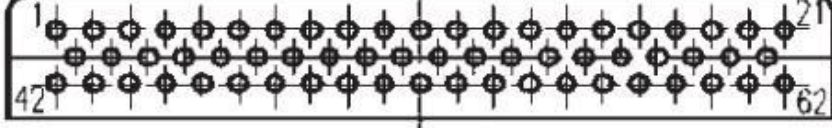
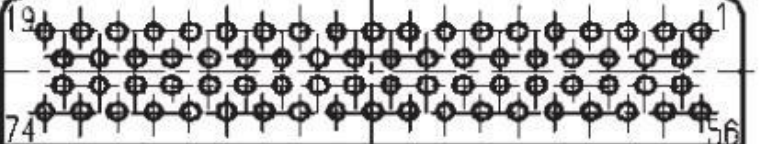
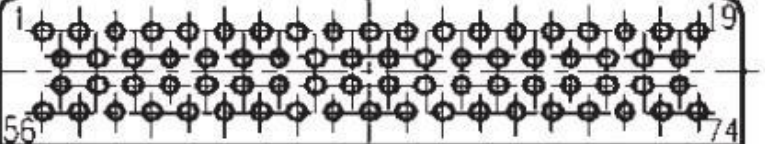
Order mark

	J14	Q	-38	T	K	B	L
Basic series							
Number of modification							
Number of contact							
See below							
Type of plug and receptacle							
T = Plug							
Z = Receptacle							
Type of contact							
J = Pin							
K = Socket							
Style of mounting							
B = Panel							
L = Cable							
Outlet mode							
L- 90° outlet							
L1-direct outlet							

Matching Condition

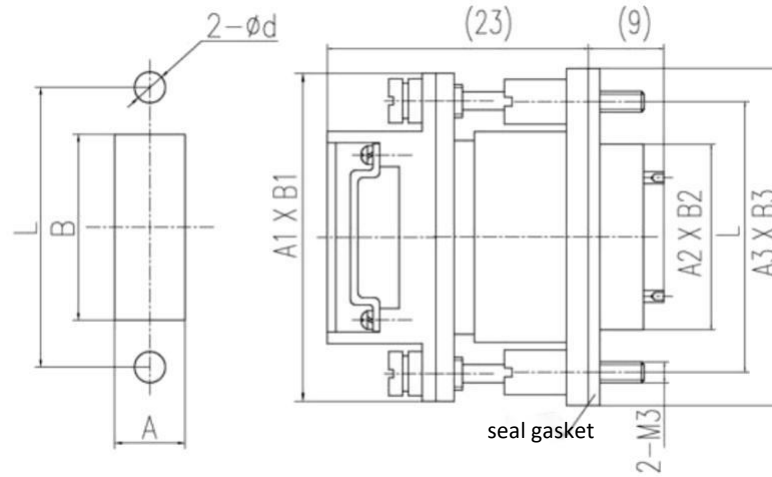
A pin plug and a socket receptacle (or a socket plug and a pin receptacle) with the same series number and the same number of contacts can be used together. For example, J14Q-51TJL1 and J14Q-51ZKB, J14Q-9TKL and J14Q-9ZJL can be used together.

Contact layout

Contact number	Pin receptacle	Socket receptacle
9		
15		
26		
38		
51		
62		
74		

J14Q Shell Size

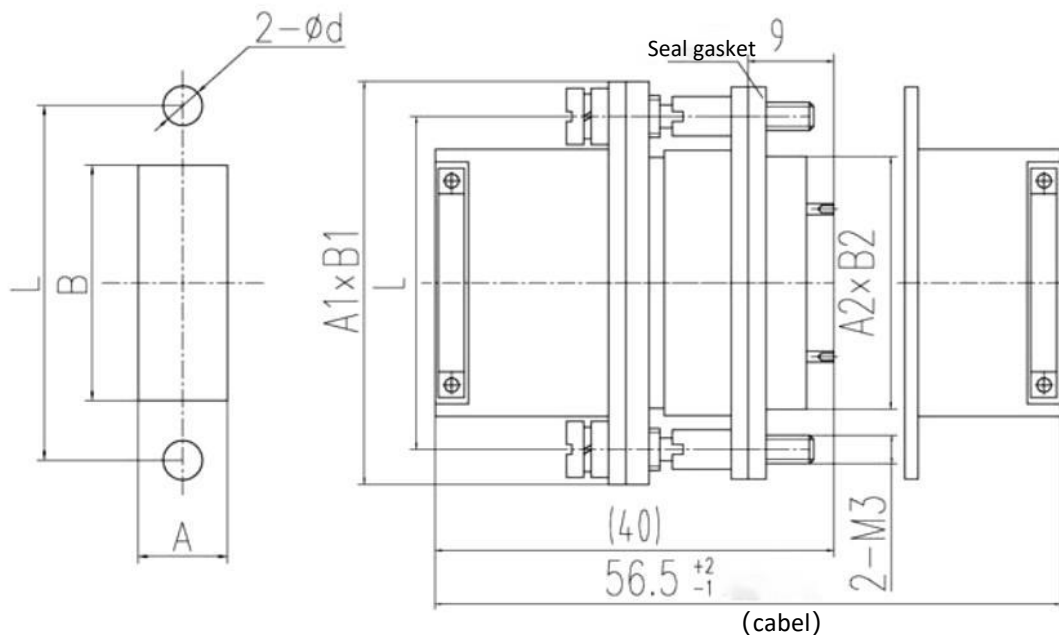
Cable cover 90° outlet plug with panel fixed receptacle



Type		Contact	A1	B1	A2	B2	A3	B3	L±0.1	A ^{+0.4} _{+0.2}	B ^{+0.4} _{+0.2}	d
J14Q-n	TKL	9	28	20	15.2	6.6	28	12	22	6.6	15.2	3.4
		15	34	20	21.2	6.6	34	12	28	6.6	21.2	3.4
		26	41	24	25	10	41	16	34	10	25	3.4
	TJL	38	49	24	33	10	49	16	42	10	33	3.4
		ZKB	51	59	24	43	10	59	16	52	10	43
	ZJBZJ1B	62	65	24	49	10	65	16	58	10	49	3.4
		74	61	26	45	12	61	18	54	12	45	3.4

J14Q Shell Size

Straight outlet plug and panel receptacle, cable receptacle



Type		contact	A1	B1	A2	B2	L±0.1	A ^{+0.4} _{+0.2}	B ^{+0.4} _{+0.2}	d
J14Q-n		9	28	12	15.2	6.6	22	6.6	15.2	3.4
	TKL1	15	34	12	21.2	6.6	28	6.6	21.2	3.4
	TJL1	26	41	16	25	10	34	10	25	3.4
	ZKB	38	49	16	33	10	42	10	33	3.4
	ZJB	51	59	16	43	10	52	10	43	3.4
	ZKL	62	65	16	49	10	58	10	49	3.4
	ZJL	74	61	18	45	12	54	12	45	3.4

J14T series

Description

- Low frequency electrical connector
- Contact interface with dew proof sealing function
- Double safety locking mechanism, reliable locking
- Aluminum alloy shell, round corner anti-reverse insert
- Small size, light weight, easy to operate
- End connection form for ordinary welding, welding needle and 90° elbow PCB form
- Welding wire hole diameter $\phi 0.6\text{mm}$, Recommended welding wire core cross-sectional area is not more than 0.2mm^2
- Used for electrical connection between various electronic instruments, meters and cables in places with dew proof sealing requirements.

Main technical performance

Rated current: 3A

Contact resistance: Before life test: $\leq 6\text{m}\Omega$

After life test: $\leq 10\text{m}\Omega$

Insulation resistance: Under standard conditions: $\geq 2000\text{M}\Omega$

Under high temperature conditions: $\geq 1000\text{M}\Omega$

Under dew conditions: $\geq 10\text{M}\Omega$

Under humid conditions: $\geq 20\text{M}\Omega$

Voltage resistance: Under standard conditions: 500V

Under low pressure conditions: 250V

Under wet conditions: 250V

Mechanical life: 500 cycles

Performance specification

Temperature rating: $-55\text{ }^\circ\text{C} \sim +125\text{ }^\circ\text{C}$

Relative humidity: at $40\text{ }^\circ\text{C} \pm 2\text{ }^\circ\text{C}$,
90% ~ 95%

Vibration: at 10 Hz~2000 Hz,
acceleration 196 m/s^2

Shock: 980 m/s^2

Atmospheric pressure: $101.3\text{ KPa} \sim$
 1.33 KPa

Acceleration: 780 m/s^2 .

Order mark

	J14	T	-38	Z	K	1	B
Basic series							
Number of modification							
Number of contact							
See below							
Type of plug and receptacle							
T = Plug							
Z = Receptacle							
Type of contact							
J = Pin							
K = Socket							
Connection mode							
plug,receptacle: welded cable, not marked							
1 - 90° elbow (90°) pcb							
2 - stright pcb							
3 - extended stright pcb							
Style of mounting							
B = Panel							
L = Cable							

Matching Condition

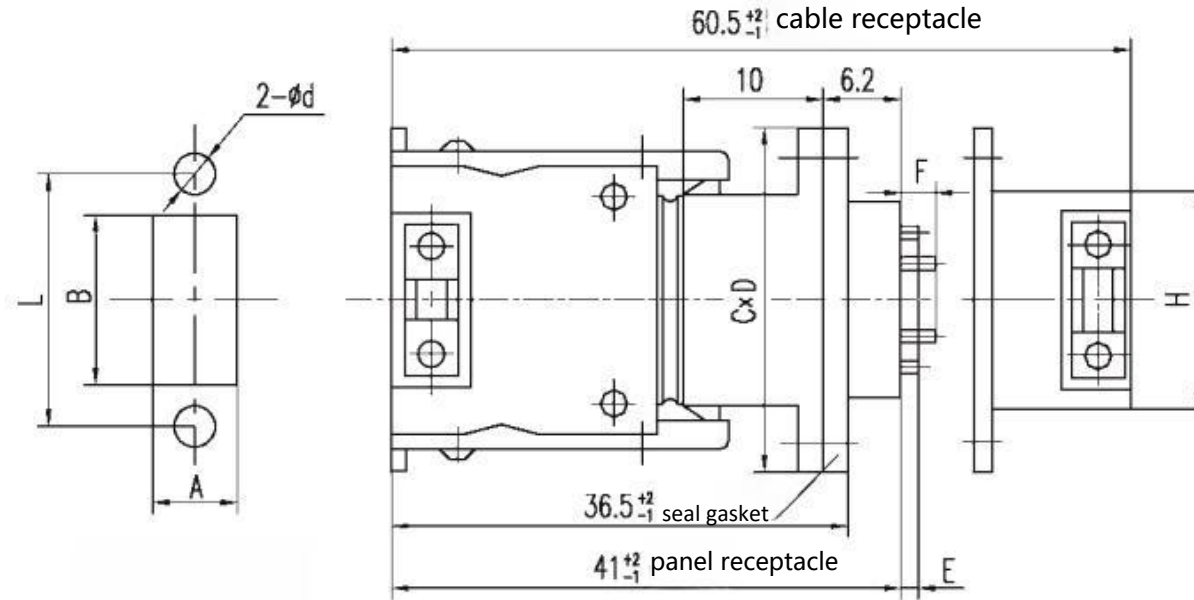
A pin plug and a socket receptacle (or a socket plug and a pin receptacle) with the same series number and the same number of contacts can be used together. For example, J14T-51TJ and 14T-51ZK1B can be used together.

Contact layout

contact number	Pin receptacle	Socket receptacle
9		
15		
20		
26		
38		
51		
62		
74		
101		

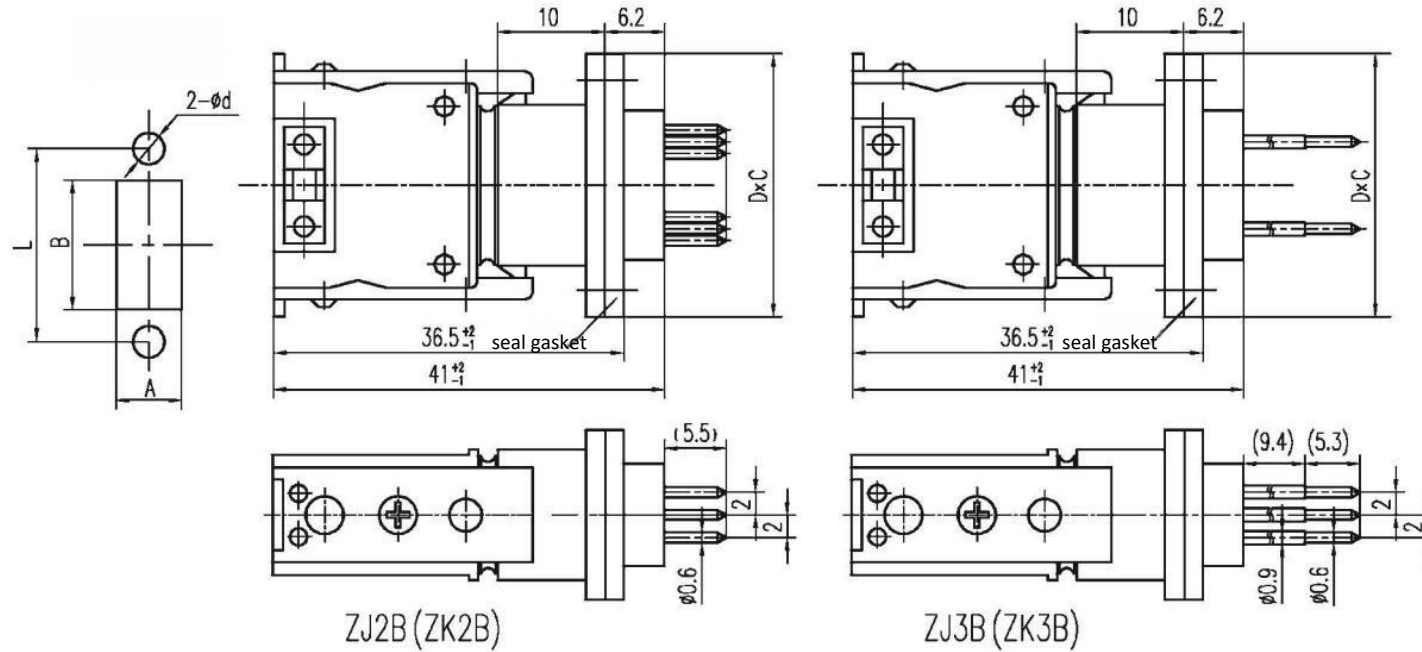
J14T Shell Size

Plug and solder cable receptacle, panel receptacle



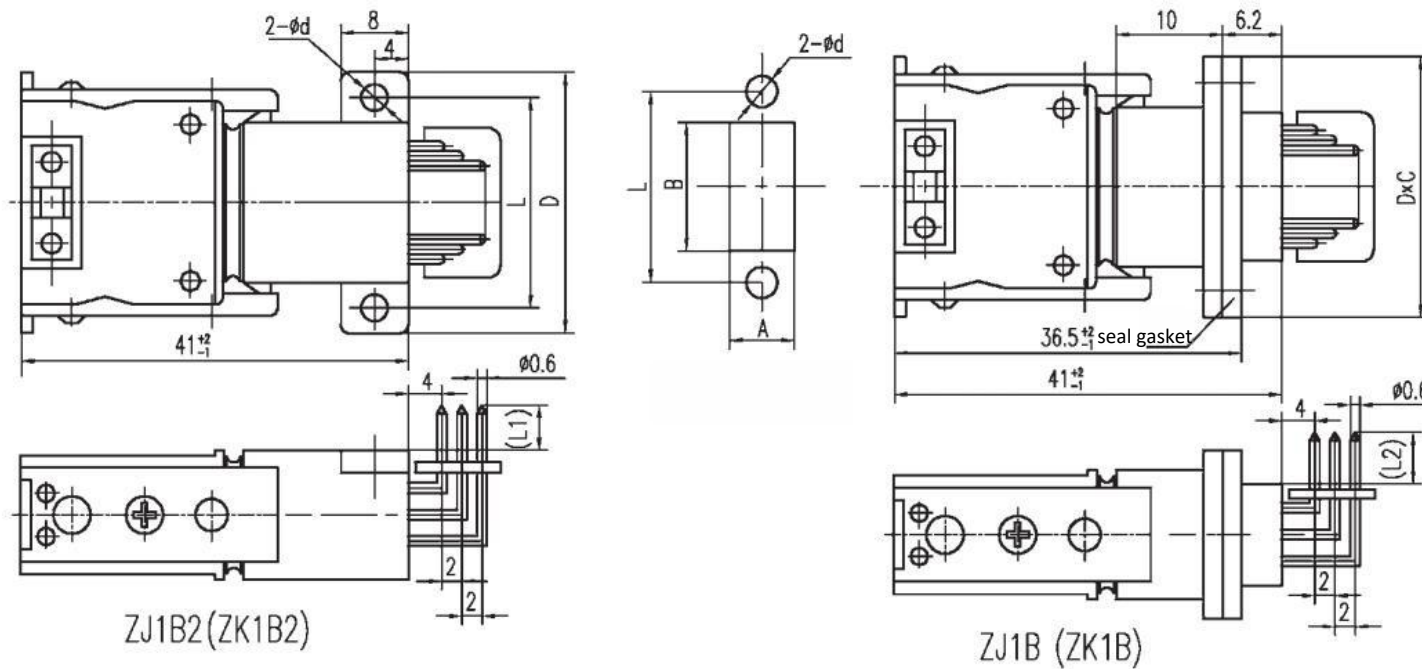
Type (N for contact number)	contact number	L±0.1	A ^{+0.4} / _{+0.2}	B ^{+0.4} / _{+0.2}	C	D	d	E ^{+0.3} / _{-0.2}	F ^{+0.3} / _{-0.2}	H
J14T-n	TK	9	22	6.6	15.2	12	28	2.8	2.8	17 ⁰ / _{-0.1}
		15	28	6.6	21.2	12	34		2.8	23 ⁰ / _{-0.1}
	TJ	20	34	10	25	16	41		2.8	28.2 ⁰ / _{-0.15}
		26	34	10	25	16	41		2.8	28.2 ⁰ / _{-0.15}
	ZKB	38	42	10	33	16	49		2.8	36.2 ⁰ / _{-0.15}
	ZKL	51	52	10	43	16	59		2.8	46.1 ⁰ / _{-0.15}
	ZJB	62	58	10	49	16	65		2.8	52.2 ⁰ / _{-0.15}
	ZJL	74	54	12	45	18	61		4.8	47.4 ⁰ / _{-0.15}
		101	58	14	49	20	65		4.8	52.2 ⁰ / _{-0.15}

Plug and straight PCB receptacle



Type	contact number	L±0.1	A ^{+0.4} / _{+0.2}	B ^{+0.4} / _{+0.2}	C	D	d	contact		Pin diameter to fit PCB	
								Dot spacing	Row spacing		
J14T-n	TK	9	22	6.6	15.2	12	28	3	2	2	Φ 0.6
	TJ	15	28	6.6	21.2	12	34	3	2	2	
	ZK2B	20	34	10	25	16	41	3.5	2	2	
	ZJ2B	26	34	10	25	16	41	3.5	2	2	
	ZK3B	38	42	10	33	16	49	3.5	2	2	
	ZJ3B	51	52	10	43	16	59	3.5	2	2	
	ZK3B	62	58	10	49	16	65	3.5	2	2	
	ZJ3B	74	54	12	45	18	61	3.5	2	2	
	ZK3B	101	58	14	49	20	65	3.5	2	2	

Plug and 90° elbow PCB receptacle



Type	contact number	L±0.1	A ^{+0.4} / _{+0.2}	B ^{+0.4} / _{+0.2}	C	D	d	contact		Pin diameter to fit PCB	L1	L2	
								Dot spacing	Row spacing				
J14T-n	TK	9	22	6.6	15.2	12	28	3	2	2	φ 0.6	3	4.2
		15	28	6.6	21.2	12	34	3	2	2		3	4.2
	TJ	26	34	10	25	16	41	3.5	2	2		2.5	3.5
	ZK1B2	38	42	10	33	16	49	3.5	2	2		2.5	3.5
	ZK1B	51	52	10	43	16	59	3.5	2	2		2.5	3.5
	ZJ1B2	62	58	10	49	16	65	3.5	2	2		2.5	3.5
	ZJ1B	74	54	12	45	18	61	3.5	2	2		2.5	3.5
		101	58	14	49	20	65	3.5	2	2		2.5	3.5