



INNOVATE / COOPERATION / WIN-WIN

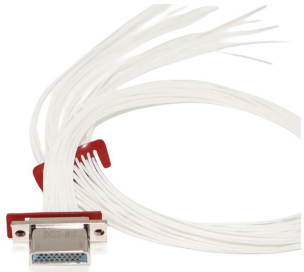


**J14 SERIES  
RECTANGLE ELECTRICAL CONNECTOR  
PRODUCT INTRODUCTION**

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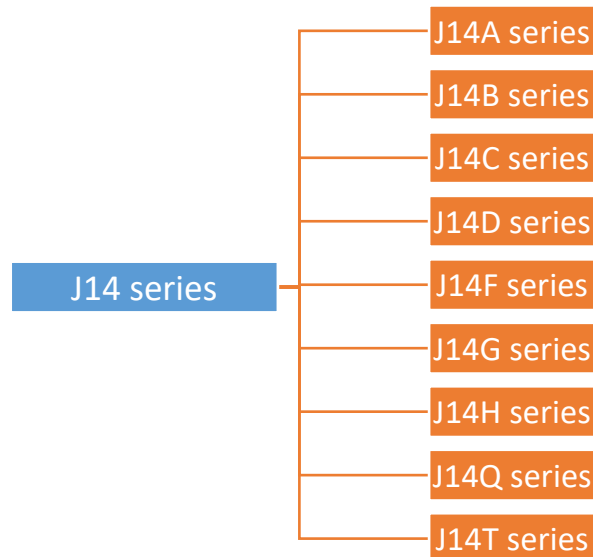
The J14 series connectors feature a dual locking mechanism (J14A, B, C, D, F, G, H, Q, T) that combines quick operation with reliable connection security. These rectangular connectors are designed for welding termination and are widely used in strategic weapon systems, aerospace satellite systems, launch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



# 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  $196\text{ m/s}^2$

Shock:  $980\text{ m/s}^2$

Atmospheric pressure: 101.3 KPa ~ 1.33 KPa

Acceleration:  $780\text{ m/s}^2$ .

# Order mark

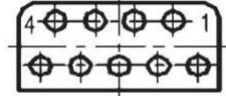
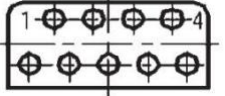
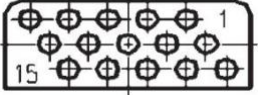
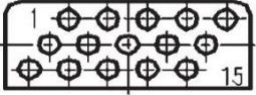


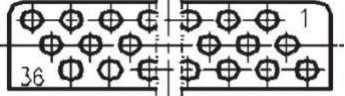



	J14	F	-15	Z	K	B
Basic series						
Number of modification						
Number of contact						
See below						
Type of plug and receptacle						
T = Plug						
Z = Receptacle						
Type of contact						
J = Pin						
K = Socket						
Style of mounting						
B =Panel						
L= Cable						

# The matching set

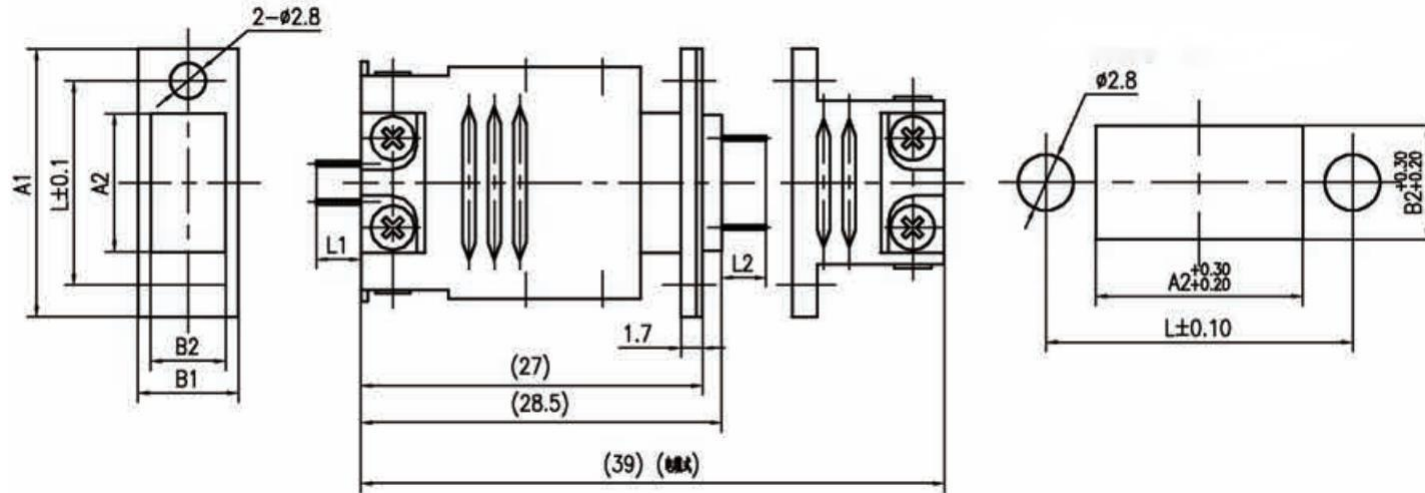
Plug type	Receptacle type
J14F-9TK	J14D-9ZJB
J14F-9TK	J14D-9ZJL
J14D-15TK	J14F-15ZJB
J14D-15TK	J14F-15ZJL
J14F-27TK	J14F-27ZJB
J14F-27TK	J14F-27ZJL
J14F-36TK	J14F-36ZJB
J14F-36TK	J14F-36ZJL
J14F-51TK	J14F-51ZJB
J14F-51TK	J14F-51ZJL

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>A diagram of a 9-pin plug connector. It consists of two rows of four pins each. The top row is numbered 4 on the left and 1 on the right. The bottom row is numbered 1 on the left and 4 on the right.</p>	 <p>A diagram of a 9-pin receptacle connector. It consists of two rows of four pins each. The top row is numbered 1 on the left and 4 on the right. The bottom row is numbered 4 on the left and 1 on the right.</p>
15	 <p>A diagram of a 15-pin plug connector. It consists of two rows of seven pins each. The top row is numbered 1 on the right. The bottom row is numbered 15 on the left.</p>	 <p>A diagram of a 15-pin receptacle connector. It consists of two rows of seven pins each. The top row is numbered 1 on the left. The bottom row is numbered 15 on the right.</p>
27	 <p>A diagram of a 27-pin plug connector. It consists of two rows of 13 pins each, with a vertical center line. The top row is numbered 1 on the right. The bottom row is numbered 27 on the left.</p>	 <p>A diagram of a 27-pin receptacle connector. It consists of two rows of 13 pins each, with a vertical center line. The top row is numbered 1 on the left. The bottom row is numbered 27 on the right.</p>
36	 <p>A diagram of a 36-pin plug connector. It consists of two rows of 18 pins each, with a vertical center line. The top row is numbered 1 on the right. The bottom row is numbered 36 on the left.</p>	 <p>A diagram of a 36-pin receptacle connector. It consists of two rows of 18 pins each, with a vertical center line. The top row is numbered 1 on the left. The bottom row is numbered 36 on the right.</p>
51	 <p>A diagram of a 51-pin plug connector. It consists of two rows of 26 pins each, with a vertical center line. The top row is numbered 1 on the right. The bottom row is numbered 51 on the left.</p>	 <p>A diagram of a 51-pin receptacle connector. It consists of two rows of 26 pins each, with a vertical center line. The top row is numbered 1 on the left. The bottom row is numbered 51 on the right.</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 ( $0.12\text{mm}^2$  Or  $0.15\text{mm}^2$ )