

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

 $\sqrt{}$ Low frequency electrical connector.

 $\sqrt{}$ The double safety locking mechanism. It is a combination of a quick and reliable operation and a reliable connection type

J₁4 series

in the rectangular electrical connector.

 $\sqrt{\text{Round corner anti-insert design, small size, light weight}}$

√ Type of J14 Series

J14A series

J14B series

J14C series

J14D series

J14F series

J14G series

J14H series

J14Q series

J14T series



J14D series

Describtion

- J14D series rectangular connector adopts metal shield shell, with round-corner anti-insert design, small size and light weight;
- J14D series rectangular connector is equipped with a push-pull type double safety lock unloading structure
- J14D 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.
- J14D 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 φ0.8: 3A

Contact diameter φ1.5: 10A

Contact resistance: Before life test: :≤6mΩ

After life test: ≤10mΩ

Insulation resistance:

Under standard conditions: ≥2000MΩ

Under high temperature conditions: ≥1000MΩ

Under humid conditions: ≥20MΩ

Voltage resistance:

Under standard conditions: 800V

Under low pressure conditions:250V

Mechanical life: 500 cycles

Performance specification

Temperature rating: -55 °C ~ +125 °C

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

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.



Order mark

J14	D	-15	Z	K	В
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	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		

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



J14D Shell Size

Normal plug and solder cable/panel receptacle

