

INNOVATE / COOPERATION / WIN-WIN



J14 SERIES
RECTANGLE ELECTRICAL CONNECTOR
PRODUCT INTRODUCTION

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J14A series

Describtion

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 $^{\circ}$ 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 -38 Ζ K В Α 1 Basic series Number of modification Number of contact See below Type of plug and receptacle T = PluqZ = Receptacle Type of contact J = PinK = Socket Style of termination 1 = 90° Elbow PCB(only for receptacle) 2 = Straight PCB(only for receptacle) Omit = Solder Style of mounting B = Panel L = Cable Type of flange Omit = Normal mounting 1 = Normal mounting of narrow flange 2 = Side mounting

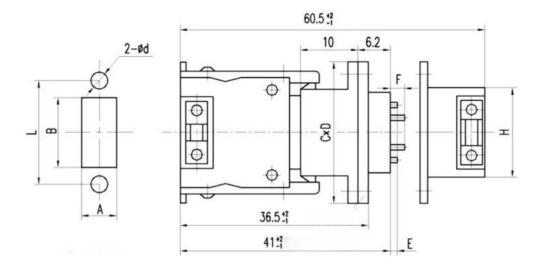


Contact layout

Contact number	pin receptacle	socket receptacle				
9	4 0 0 0 0 1 90 0 0 0 0 ₅	1 00004				
15	7 0 0 0 0 0 1 150 0 0 0 0 0 0 8	1 0000007 8000000015				
20	90000001 11-0	1000000009 100				
26	900000001 -00000000 26000000018	100000009				
38	30000000000000000000000000000000000000	100000000000093 -000000000000000000000000				
51	16 000000000000001 	1 0000000000000000000000000000000000000				
62	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
74	19000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
101	$\begin{bmatrix} 21 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & $	10000000000000000000000000000000000000				



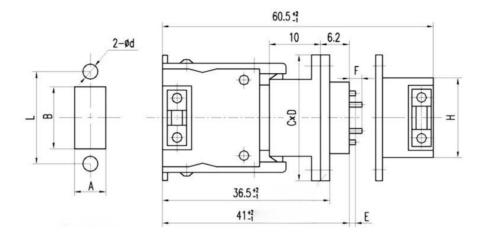
Normal plug and solder cable/panel receptacle



Туре	100	contact number	L±0.1	A ^{+0.4} _{+0.2}	B ^{+0.4} _{+0.2}	С	D	d	E ^{+0.3} _{-0.2}	F ^{+0.3} _{-0.2}	G	Н	current
		9	22	6.6	15.2	28	12	3		2.8	60.5	$17_{-0.1}^{0}$	
	TK	15	28	6.6	21.2	34	12	3		2.8	60.5	23_0	
	TJ	20	34	10	25	41	16	3.5		2.8	60.5	$28.2_{-0.15}^{0}$	
J14A-n	ZKB	26	34	10	25	41	16	3.5		2.8	60.5	$28.2_{-0.15}^{0}$	3A
14 4144	ZKL	38	42	10	33	49	16	3.5	2.8	2.8	60.5	$36.2_{-0.15}^{0}$	
J14W-n	ZJB	51	52	10	43	59	16	3.5		2.8	62.5	$46.1_{-0.15}^{0}$	
	ZJL	62	58	10	49	65	16	3.5		2.8	60.5	$52.2_{-0.15}^{0}$	
	<i>2</i>)L	74	54	12	45	61	18	3.5		4.8	60.5	$47.4_{-0.15}^{0}$	
		101	58	14	49	65	20	3.5		4.8	60.5	$52.2_{-0.15}^{0}$	

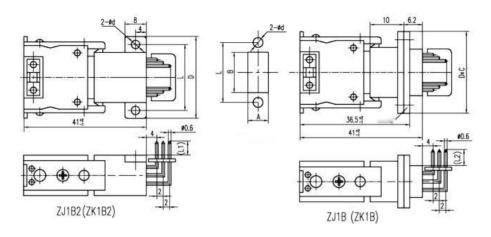


Normal plug and solder narrow flange panel/cable receptacle



Туре		contact number	L±0.1	A+0.4 +0.2	B ^{+0.4} _{+0.2}	С	D	d	E ^{+0.3} _{-0.2}	F ^{+0.3} _{-0.2}	Н
		9	22	6.6	15.2	28	8.9	3		2.8	$17_{-0.1}^{0}$
	TK	15	28	6.6	21.2	34	8.9	3		2.8	23_0
J14A-n	TJ	20	34	10	25	41	12	3.5		2.8	$28.2_{-0.15}^{0}$
	ZKB1	26	34	10	25	41	12	3.5		2.8	28.2 _{-0.15}
11 4) 4/ -	ZKL1	38	42	10	33	49	12	3.5	2.8	2.8	$36.2_{-0.15}^{00000000000000000000000000000000000$
J14W-n	ZJB1L	51	52	10	43	59	12	3.5		2.8	$46.1_{-0.15}^{0}$
	ZKB1L	62	58	10	49	65	12	3.5		2.8	$52.2_{-0.15}^{0}$
	ZIIDIL	74	54	12	45	61	14	3.5		4.8	$47.4_{-0.15}^{0}$
		101	58	14	49	65	16	3.5		4.8	$52.2_{-0.15}^{00000000000000000000000000000000000$

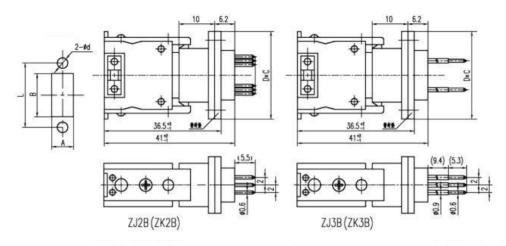
Normal plug and 90° Elbow PCB receptacle



Тур	Туре		L±0.1	A ^{+0.4} _{+0.2}	B ^{+0.4} _{+0.2}	С	D	d	Dot spacing	Row spacing	Pin diameter to fit PCB	L1	L2
		9	22	6.6	15.2	28	8.9	3	2	2		3	4.2
	TK	15	28	6.6	21.2	34	8.9	3	2	2		3	4.2
	TJ	20	34	10	25	41	12	3.5	2	2		2.5	3.5
J14A-n	ZK1B2	26	34	10	25	41	12	3.5	2	2		2.5	3.5
	3003 10 10 10 10 10 10 10 10 10 10 10 10 10	38	42	10	33	49	12	3.5	2	2	Ф 0.6	2.5	3.5
J14W-n	ZK1B	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



Туре		contact number	contact	contact		A+0.4	D+0.4		_		cont	act	Pin diameter
			L±0.1	A ^{+0.4} _{+0.2}	B ^{+0.4} _{+0.2}	С	D	d	Dot spacing	HQ.	to fit the printed board		
		9	22	6.6	15.2	12	28	3	2	2			
	TK	15	28	6.6	21.2	12	34	3	2	2			
		20	34	10	25	16	41	3.5	2	2			
J14A-n	TJ	26	34	10	25	16	41	3.5	2	2			
	ZK2B	38	42	10	33	16	49	3.5	2	2	Φ 0.6		
J14W-n	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			