

J14 series rectangle electrical connector



Conform to Chinese military connector standard GJB142A-94. The material of shell is high strong composite.

Part number

	J14	A	-38	Z	K	1	B	2
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 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								

Performance specification

Temperature rating: -55 °C ~ +125 °C

Relative humidity: at 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 ~ 4.39 KPa

Acceleration: 780 m/s²

Electrical performance

Rated current (A)

Contact diameter (mm)	0.8	1.0	1.5	2.0
Rated current	3	5	10	15

Insulation resistance: ≥ 2000 MΩ

Elevated temperature ≥ 1000 MΩ

Withstanding voltage: 800v

Endurance: ≥ 500 cycles

Contact layout

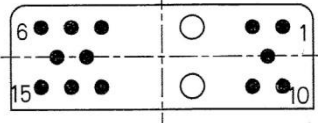
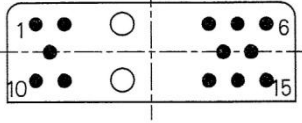
J14A and J14P

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

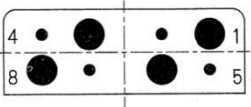
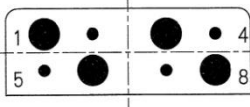
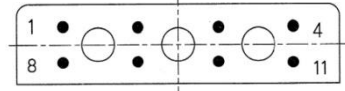
J14C

Contact number	Pin	Socket
26		

J14D

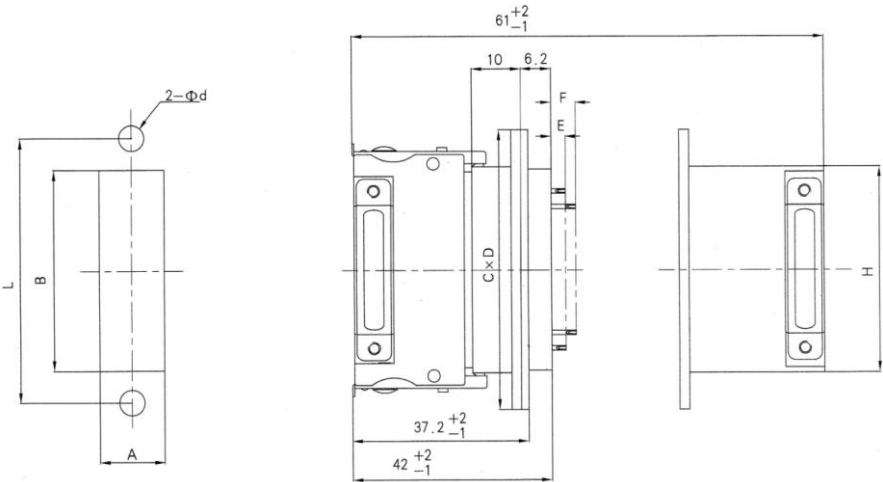
Contact number	Male pin	Female pin
15		

J14G

Contact number	Male pin	Female pin
8		
11		

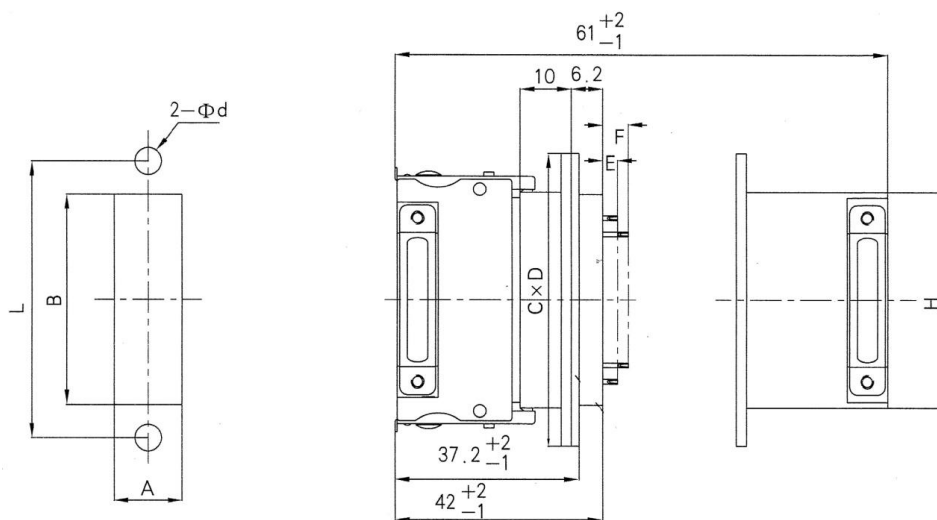
Shell size

Normal plug and solder cable/panel receptacle



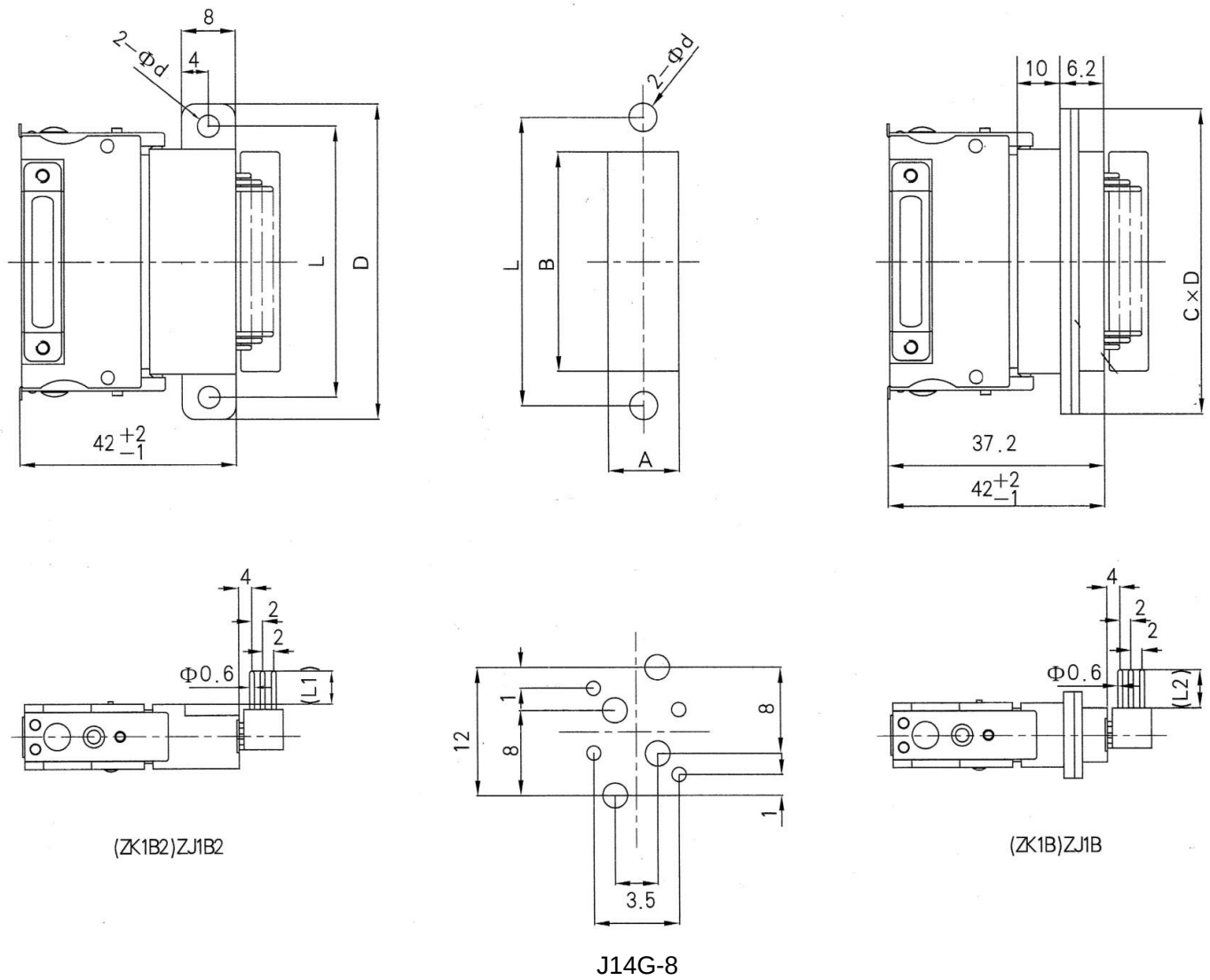
Type	Contact number	L±0.1	A±0.05	B±0.05	C	D	d	E±0.2	F±0.2	H	Current
J14A	9	22	6.6	15.2	12	28	3	2.8	2.8	17	3 A
	15	28	6.6	21.2	12	34	3		2.8	23	3 A
	20	34	10	25	16	41	3.5		2.8	28.2	3 A
	26	34	10	25	16	41	3.5		2.8	28.2	3 A
	38	42	10	33	16	49	3.5		2.8	36.2	3 A
	51	52	10	43	16	59	3.5		2.8	46.1	3 A
	62	58	10	49	16	65	3.5		2.8	52.2	3 A
	74	54	12	45	18	61	3.5		4.8	47.4	3 A
	101	58	14	49	20	65	3.5		4.8	52.2	3 A
J14C	26	42	10	33	16	49	3.5		—	36.2	5 A
J14D	15	34	10	25	16	41	3.5		—	28.2	10 A×2
											3 A×13
J14G	8	34	10	25	16	41	3.5		—	28.2	10 A×4
											3 A×4
	11	42	10	33	16	49	3.5		—	36.2	15 A×3
											3 A×8

Normal plug and solder narrow flange panel/cable receptacle



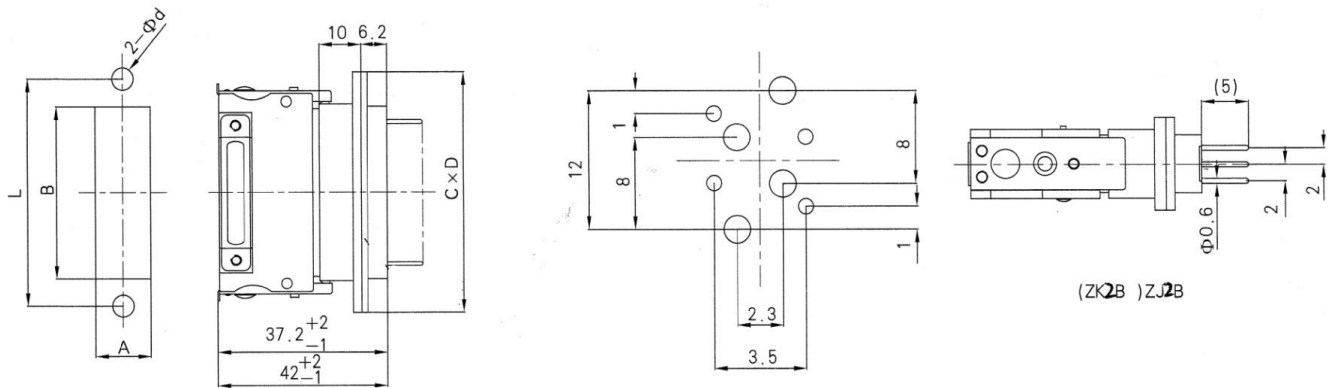
Type	Contact number	L±0.1	A±0.05	B±0.05	C	D	d	E±0.2	F±0.2	H±0.1
J14A	9	22	6.6	15.2	8.9	28	3	2.8	2.8	17
	15	28	6.6	21.2	8.9	34	3		2.8	23
	20	34	10	25	12	41	3.5		2.8	28.2
	26	34	10	25	12	41	3.5		2.8	28.2
	38	42	10	33	12	49	3.5		2.8	36.2
	51	52	10	43	12	59	3.5		2.8	46.1
	62	58	10	49	12	65	3.5		2.8	52.2
	74	54	12	45	14	61	3.5		4.8	47.4

Normal plug and 90° Elbow PCB receptacle



Type	Contact number	L _{±0.1}	A	B	C	D	d	L1	L2
J14A	9	22	6.6	15.2	12	28	3	3	4.2
	15	28	6.6	21.2	12	34	3		
	26	34	10	25	16	41	3.5	2.5	3.5
	38	42	10	33	16	49	3.5		
	51	52	10	43	16	59	3.5		
	62	58	10	49	16	65	3.5		
J14G	8	34	10	25	16	41	3.5	2.5	2.5

Normal plug and straight PCB receptacle



Hole dimensions

J14G-8

Type	Contact number	$L \pm 0.1$	A	B	C	D	d
J14A	9	22	6.6	15.2	12	28	3
	15	28	6.6	21.2	12	34	3
	26	34	10	25	16	41	3.5
	38	42	10	33	16	49	3.5
	51	52	10	43	16	59	3.5
	62	58	10	49	16	65	3.5
J14G	8	34	10	25	16	41	3.5