

The PC ultra-miniature circular electrical connectors are used for circuit connections in radio and electrical equipment. The cable plug is connected to the socket fixed on the device through a threaded connecting. Devices can also be directly plug-in through sockets mounted on each device. Ultra-miniature circular electrical connectors come in sealed and unsealed versions, with plugs and sockets that can have tail attachments. Receptacle contain pins, while plugs contain holes.

Technical characteristics

Environment temperature: $-60^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Vibration acceleration: 5-2500Hz, 15g

Shock acceleration: multiple times at 50g

Working voltage: 200V

Contact resistance: $\leq 5\text{m}\Omega$

Insulation resistance: $>1000\text{M}\Omega$

Insulation strength: 1000V

Mechanical life: 250 cycles

Contact diameter: $\varnothing 1.0\text{mm}$

Number of contacts	4	7	10	19	32	50
Total current load (A)	15	22	30	40	62	75

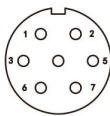
How to order

	PC	-4	Z	P
Series				
PC: Threading coupling				
PCA: Plug-in				
No. of contacts				
4, 7, 10, 19, 32, 50				
Plug and socket type				
T: Cable plug				
Z: Receptacle				
P: with tail				
型谱图：孔组排列（从插孔方向看） Pins layout (view from socket the mating side)				

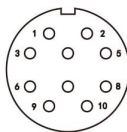
PC-4



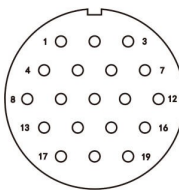
PC-7



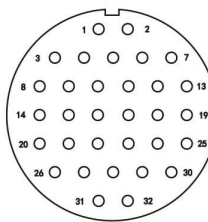
PC-10



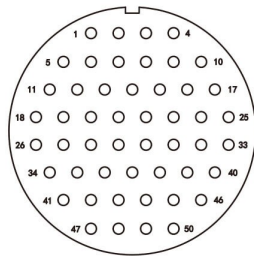
PC-19



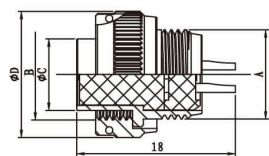
PC-32



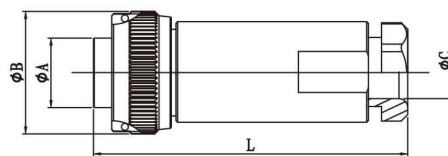
PC-50



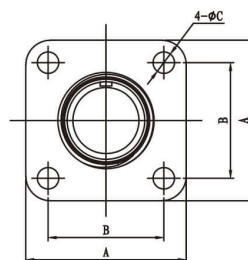
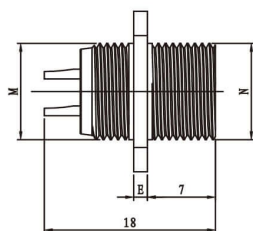
外形及安装尺寸 Outline dimensions

不带尾附电缆插头
Cable plug without tail

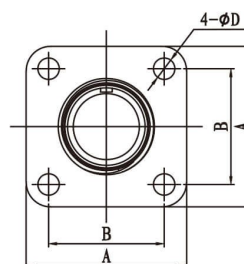
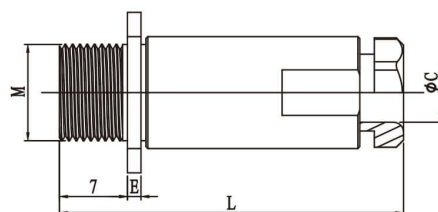
型号Model	A	B	C	D max
PC-4	M10 × 0.75	M10 × 0.75	8	14.5
PC-7	M12 × 0.75	M12 × 0.75	10	16.5
PC-10	M14 × 0.75	M14 × 0.75	12	18.5
PC-19	M18 × 0.75	M18 × 1	15.5	23
PC-32	M22 × 0.75	M22 × 1	19.5	27
PC-50	M27 × 0.75	M27 × 1	24	32

带尾附电缆插头
Cable plug with tail

型号Model	A	B max	C	L max
PC-4	8	14.5	6	37
PC-7	10	16.5	8	40
PC-10	12	18.5	9	42
PC-19	15.5	23	11	45
PC-32	19.5	27	13	43
PC-50	24	32	16	51

不带尾附插座
Socket without tail

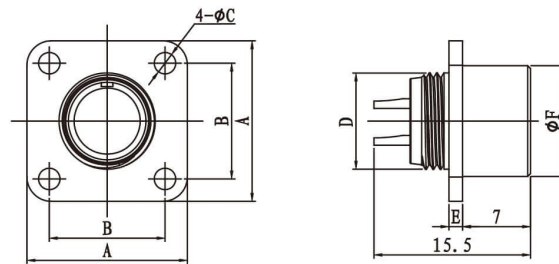
型号Model	A	B	C	E	M	N
PC-4	16.5	11.9	2.2	1.4	M10 × 0.75	M10 × 0.75
PC-7	18	13.2	2.2	1.4	M12 × 0.75	M12 × 0.75
PC-10	20	15	2.5	1.4	M14 × 0.75	M14 × 0.75
PC-19	24	18	2.2	1.4	M18 × 0.75	M18 × 1
PC-32	28	21.5	2.7	1.8	M22 × 0.75	M22 × 1
PC-50	33	26	3.2	2	M27 × 0.75	M27 × 1

带尾附插座
Socket with tail

型号Model	A	B	C	D	M	E	L max
PC-4	16.5	11.9	6	2.2	M10 × 0.75	1.4	37
PC-7	18	13.2	8	2.2	M12 × 0.75	1.4	40
PC-10	20	15	9	2.5	M14 × 0.75	1.4	42
PC-19	24	18	11	2.2	M18 × 1	1.4	45
PC-32	28	21.5	13	2.7	M22 × 1	1.8	43
PC-50	33	26	16	3.2	M27 × 1	2	51

不带尾附直插式插座

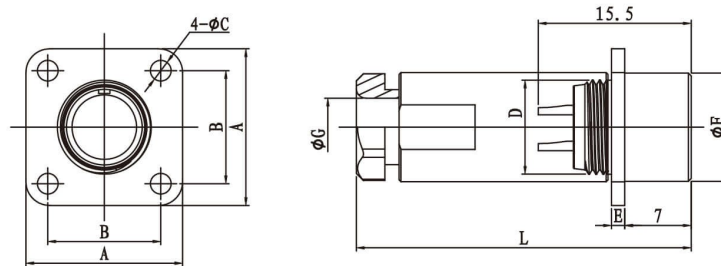
Straight plug-in receptacle without tail



型号Model	A	B	C	D	E	F
PC-4	16.5	11.8	2.2	M10×0.75	1.4	11.5
PC-7	18	13.2	2.2	M12×0.75	1.4	14
PC-10	20	15	2.2	M14×0.75	1.4	16
PC-19	24	18	2.2	M18×0.75	1.4	20.5
PC-32	28	21.5	2.7	M22×0.75	1.8	24.5
PC-50	33	26	3.2	M27×0.75	2	30

带尾附直插式插座

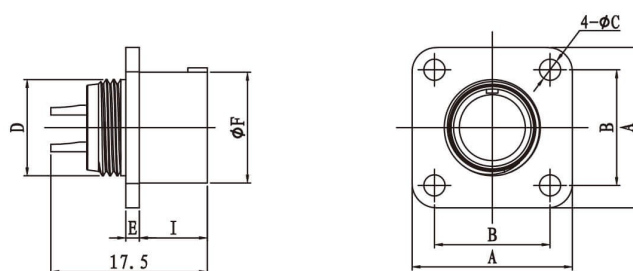
Straight plug-in receptacle with tail



型号Model	A	B	C	D	E	F	G	L max
PC-4	16.5	11.8	2.2	M10×0.75	1.4	11.5	6	36
PC-7	18	13.2	2.2	M12×0.75	1.4	14	8	38
PC-10	20	15	2.2	M14×0.75	1.4	16	9	41
PC-19	24	18	2.2	M18×0.75	1.4	20.5	11	43
PC-32	28	21.5	2.7	M22×0.75	1.8	24.5	13	45
PC-50	33	26	3.2	M27×0.75	2	30	16	50

不带尾附直插式插头

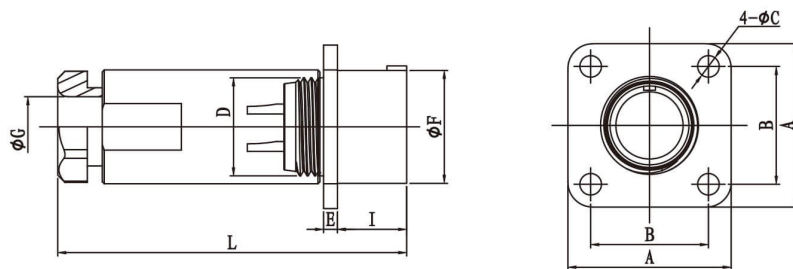
Straight plug-in plug without tail



型号Model	A	B	C	D	E	F	I
PC-4	16.5	11.8	2.2	M10 × 0.75	1.4	8.8	5.6
PC-7	18	13.2	2.2	M12 × 0.75	1.4	10.7	5.6
PC-10	20	15	2.2	M14 × 0.75	1.4	12.6	5.6
PC-19	24	18	2.2	M18 × 0.75	1.4	16.2	5.6
PC-32	28	21.5	2.7	M22 × 0.75	1.8	20.3	5.2
PC-50	33	26	3.2	M27 × 0.75	2	24.8	5.7

带尾附直插式插头

Straight plug-in plug with tail



型号Model	A	B	C	D	E	F	G	I	L max
PC-4	16.5	11.8	2.2	M10 × 0.75	1.4	8.8	6	5.6	36
PC-7	18	13.2	2.2	M12 × 0.75	1.4	10.7	8	5.6	38
PC-10	20	15	2.2	M14 × 0.75	1.4	12.6	9	5.6	40
PC-19	24	18	2.2	M18 × 0.75	1.4	16.2	11	5.6	42
PC-32	28	21.5	2.7	M22 × 0.75	1.8	20.3	13	5.2	44
PC-50	33	26	3.2	M27 × 0.75	2	24.8	16	5.7	48