

XCF series circular electrical connector



Conform to Chinese military connector standard GJB2889, XCF series is extended from XC series, designed as bayonet coupling, solder or crimp springtac contact. The shell size is same as MIL-DTL-38999 I series.

Part number

	XCF	14	F	10	Z ₁	P ₁	W
Basic series							
Shell size							
12, 14, 18, 22, 24, 27, 30, 33, 36							
Type of plug and receptacle							
T = Plug							
F = Square flange receptacle							
Number of contact							
07 ~ 129							
Type of contact							
Z ₁ = Pin with gold plating							
K ₁ = Socket with gold plating							
Finish							
D ₁ = Electroless nickel plating without thread							
P ₁ = Electroless nickel plating with thread							
Orientation							
N, W, X, Y, Z							
Omit = N							

Performance specification

Operating temperature: -55 °C ~ +200 °C

Relative humidity: at 40 ± 2 °C, 90% ~ 95%

Working height: ≤ 3000 m

Vibration: at 10 ~ 2000 Hz, acceleration: 196 m/s²

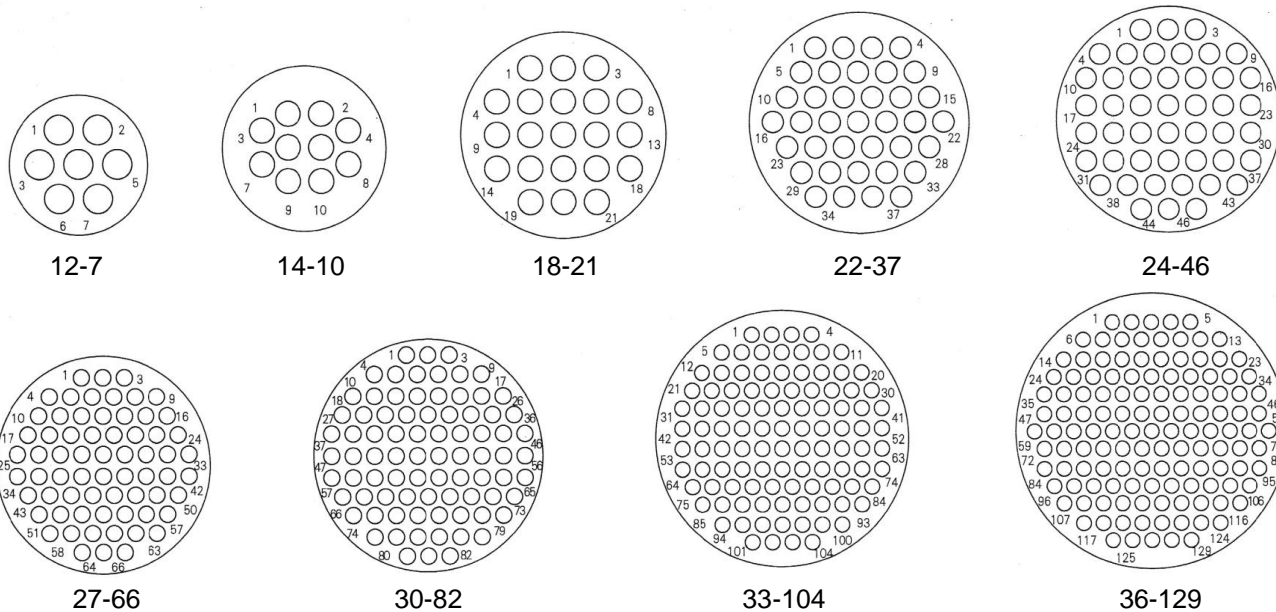
Endurance: ≥ 1000 cycles

Electrical performance

Rated voltage, Withstanding voltage and Insulation resistance

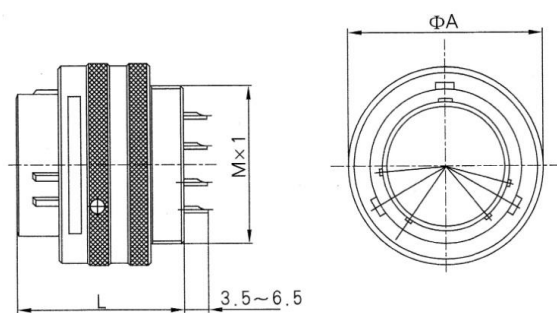
Operating environment	Rated voltage (v)	Withstanding voltage (v)	Insulation resistance (MΩ)
Normal	250	≥ 1000	≥ 500
Hot and humid	250	≥ 750	≥ 20
Low pressure (1 kPa)	115	≥ 200	—

Contact layout

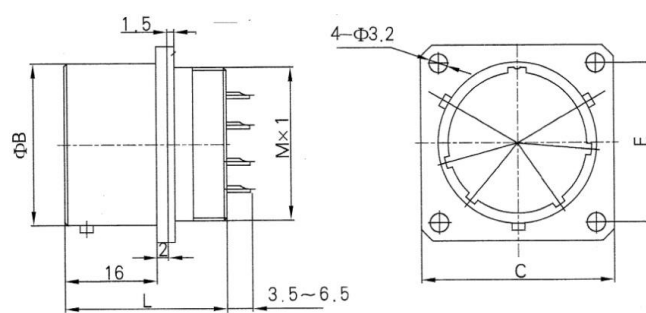


Shell size

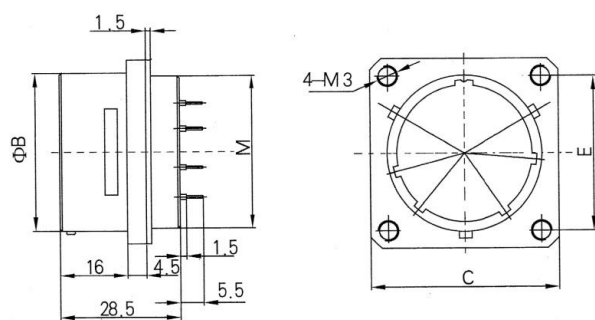
Plug



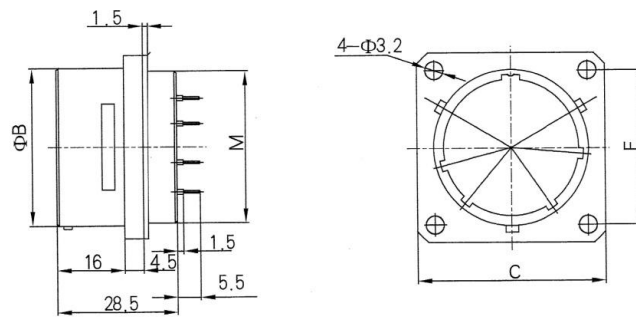
Receptacle



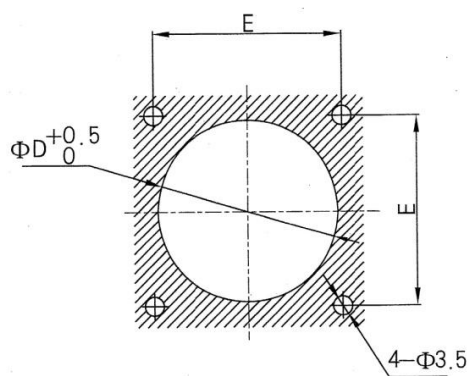
PCB receptacle (B)



PCB receptacle (B₁)



Suggestion size



Shell size	A	B	C	D	E	M	L
12	19.5	13.7	23.0	12.5	17.0	12	25.5
14	21.5	15.7	25.0	14.5	19.0	14	
18	25.5	19.7	27.5	18.5	21.5	18	
22	29.5	23.7	30.0	22.5	24.0	22	
24	31.5	25.7	32.0	24.5	26.0	24	
27	34.5	28.7	34.5	27.5	28.0	27	28.5
30	37.5	31.7	36.5	30.5	30.0	30	
33	40.5	34.7	39.5	33.5	32.5	33	
36	43.5	37.7	41.0	36.5	34.0	36	