

D38999 FIBER CONNECTOR

D38999 tactical waterproof connector with rugged design and joints with three thread fast connection, and adapt with Five keys locate at the same time, blind insertion and error proofing in and anti vibration function, connector made of stainless steel, D38999 Series connector can provide 1-32C fiber connection, also available for 12C hybrid cable: 8F4P, 6F6P, 4F4P, 5F3P and 4fiber & 8 power optional Connection.



D38999-Plug (D3899904P)



D38999 Socket (D3899904S)



D38999-Plug Assembly (D3899908P)



D38999 Socket (D3899908S)



D3899908P-4F4P Plug Assembly



D3899908s-4F4P Socket Assembly



D38999-2F3P Plug



D3899908S-5F3P Socket

Features

- (MIL-DTL-38999)IIIseries Standard.
- Applied in aviation, electronics, Marine ships and other harsh environment systems for multiplexed optical communication
- Outer casing can choose different materials and coatings to adapt to different environmental requirements
- Five key location, there are blind mating and error proofing interpolation function
- three Screw thread quick connect, and with anti-release mechanism
- Ceramic pin and sleeve contacts to achieve precision docking


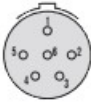

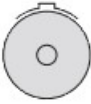
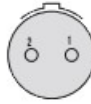
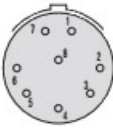
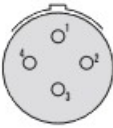

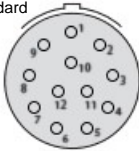
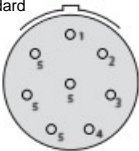
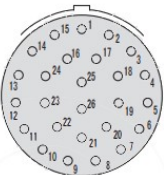
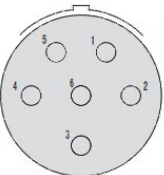
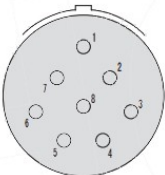
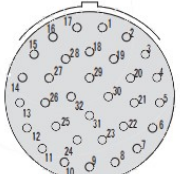
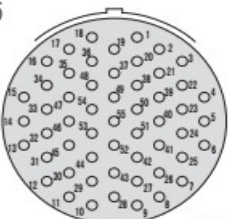
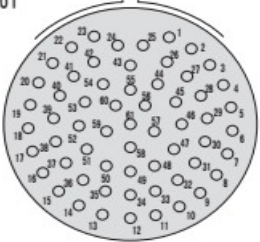
Parameters

- Insertion loss: $\leq 0.6\text{dB}$
- Working temperature: $-55\text{ }^{\circ}\text{C} \sim +85\text{ }^{\circ}\text{C}$
- Vibration: 10Hz ~ 2000Hz,
- Shock: 980 m/s^2 ,
- Mechanical life: 500 times
- tensile strength: $\geq 720\text{N}$ (Main Cable)

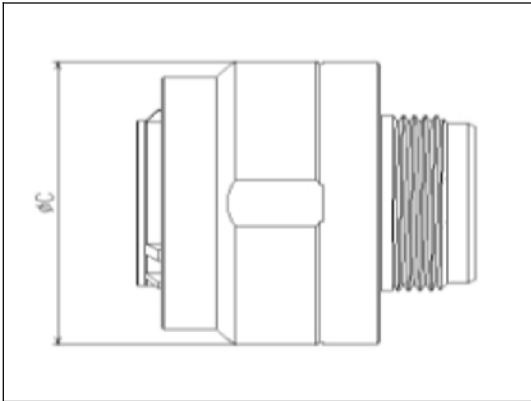
Ordering Information

Basic Series	D38999/ 26				W	C					04	B1	N
Shell Type	26— Plug; 20— Socket												
Plating	W -Aluminum Alloy, Olive green cadmium plating F -Aluminum Alloy, Electroless nickel plating K -Stainless Steel Passive												
Shell No.	9	11	13	15	17	19	21	23	25				
Index No.	A	B	C	D	E	F	G	H	J				
Configuration	See the Configuration for detail												
Contact Type	B1-Optical Socket (Applied for Plug); A1-Optical Pin (Applied for Socket)												
Polarization	N-Normal; A、 B、 C、 D、 E-alternative												

Configuration (Socket as reference)

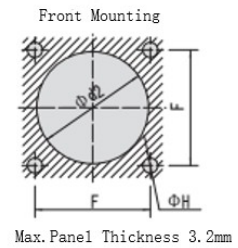
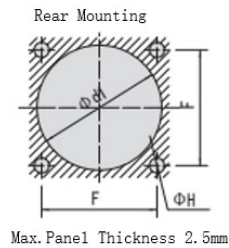
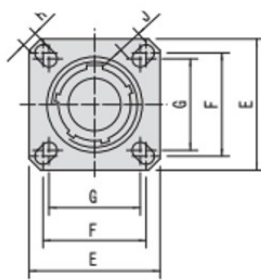
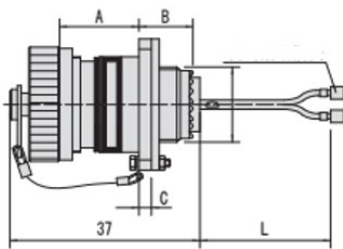
Shell # 09 (A)	94  2-20#			
11 (B)	98  6-20#	04  4-20#	01  1-12#	02  2-16#
13 (C)	08  8-20#	04  4-16#		
15 (D)	18  18-20#	Non-Standard  8-1.25	Non-Standard  12-1.25	
17 (E)	26  26-20#	06  6-12#	08  8-16#	
19 (F)	32  32-20#			
23 (H)	55  55-20#			
25 (J)	61  61-20#			

Plug Assembly



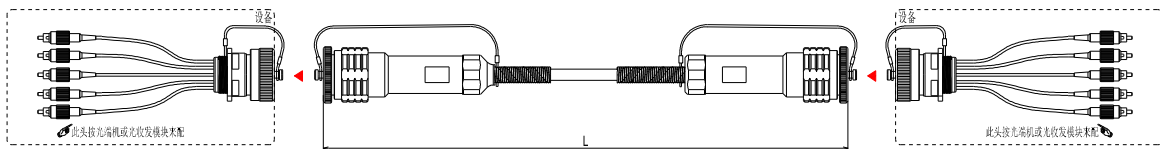
Shell Size	MS Size	C
9	A	21.80
11	B	25.00
13	C	29.40
15	D	32.40
17	E	35.60
19	F	38.50
23	H	44.90
25	J	48.00

Socket Drawing

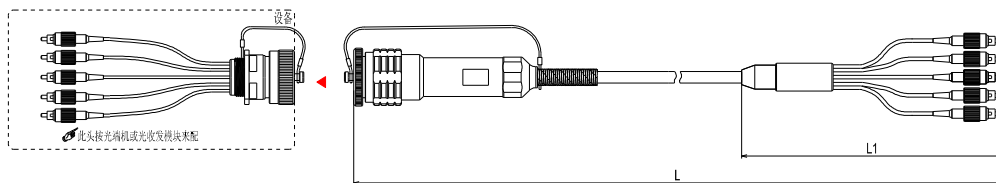


Shell Size	MS Size	A Max.	B Max.	C Max.	D Thread	E	F	G	H	J	d1 Min.	d2 Min.
9	A	20.9	10.6	2.5	M12X1-6g	23.8	18.3	15.1	3.3	5.5	16.7	13.1
11	B	20.9	10.6	2.5	M15X1-6g	26.2	20.6	18.3	3.3	4.9	20.2	15.9
13	C	20.9	10.6	2.5	M18X1-6g	28.6	23.0	20.6	3.3	4.9	23.4	19.1
15	D	20.9	10.6	2.5	M22X1-6g	31.0	24.6	23.00	3.3	4.9	26.6	23.0
17	E	20.9	10.6	2.5	M25X1-6g	33.3	27.0	24.6	3.3	4.9	31.0	25.8
19	F	20.9	10.6	2.5	M28X1-6g	36.5	29.4	27.0	3.3	4.9	32.9	29
21	G	20.1	11.4	3.2	M31X1-6g	39.7	31.8	29.4	3.3	4.9	36.1	32.2
23	H	20.1	11.4	3.2	M34X1-6g	42.9	34.9	31.8	3.9	6.2	39.3	34.9
25	J	20.1	11.4	3.2	M37X1-6g	46.0	38.1	34.9	3.9	6.2	42.5	37.7

Connection Drawing



Connection Solution 1



Connection Solution 2