



MIL-DTL-38999 series

Aluminium • Stainless Steel • Composite



Rugged harsh environmentally sealed connectors, available in a wide range of Mil spec, commercial and composite constructions, plus full line of finishes, including black zinc nickel and PTFE nickel.

Key Features:

- Threaded 360° turn
- Contact type AS39029
- Scoop proof
- Environmentally sealed
- Hermetic versions
- Filter versions
- Spring fingers for EMI control

This data sheet represent a brief overview of the range available for MIL-DTL-38999 series III connectors, should the version you require not be shown here please contact us.



Military Designation Part Numbering example

D38999 / 20 F A 35 P N - LC

Connector Style - Series III

20 = Wall mount receptacle | 21 = Box mount receptacle, hermetic |
 23 = Jam nut receptacle, hermetic | 24 = Jam nut receptacle | 25 =
 Solder mount receptacle, hermetic | 26 = Straight plug | 27 = Weld
 mount receptacle, hermetic

Material and Finish

C = Aluminium - Anodised | F = Aluminium - Electroless Nickel | G
 = Space grade Electroless Nickel | J = Composite - Chromate over
 Cadmium | K = Stainless Steel (passivated firewall insert) |
 M = Composite - Electroless nickel | S = Stainless Steel - electroless
 nickel | T = Aluminium - Nickel/PTFE | W = Aluminium - Chromate
 over Cadmium | Z = Aluminium - Black Zinc Nickel

Shell Sizes

9 (A), 11 (B), 13 (C), 15 (D), 17 (E), 19 (F), 21 (G), 23 (H), 25 (J)
 Numbers = Commercial and Letters = Military

Insert Arrangements

Contact us for full arrangements table or see table over

Contact Type (MIL-C-39029)

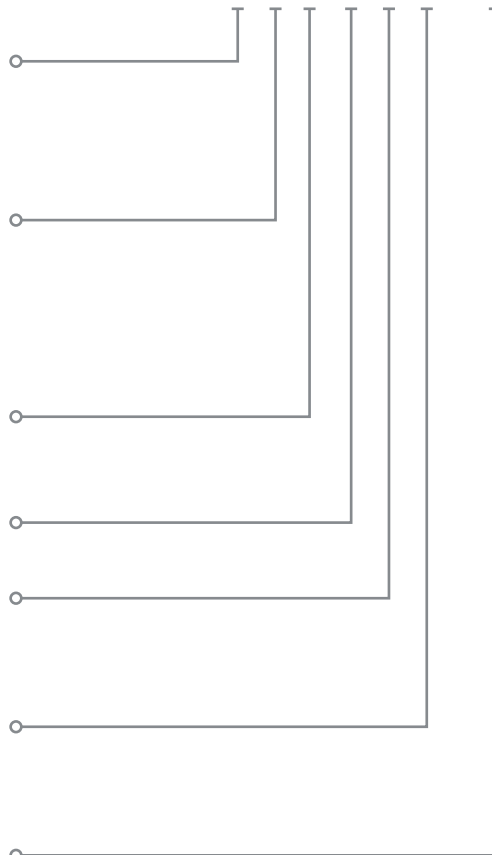
P = Pin | S = Socket | H = 1500 cycle pin | J = 1500 cycle socket
 | A = Same as 'P' but less contacts | B = Same as 'S' but less
 contacts | X = Eyelet contacts, hermetics only

Insert Rotation

For full details refer to separate MIL arrangement charts.
 N = Normal (standard) | A = Highly popular | B = Limited availability
 | C = Check for availability | D = Check for availability

Modifier (OMIT for standard contacts)

LC = Less contacts | U = Universal backshell for heat shrink tube
 or boots | US = Universal backshell with shielding spring | UT =
 Universal backshell with shielding tap | UW = Universal backshell
 with shielding tape and spring | SB or HSB = Heavy duty heat shrink
 boot | CG = Cord grip backshell | CA = Flexible conduit backshell



Shell Size / Insert		Contact Size / Quantity											Extreme Class	High Density	
Commercial	Military	#8 Twinax	#8 Coax	#8 Power	#12 Twinax	#12 Coax	#10	#12	#16	#20	#22D	#23			
09-07	A7 (A07)										7				
09-23	A23											9			✓
09-35	A35										6			✓	
09-98	A98									3				✓	
11-02	B2 (B02)								2						
11-05	B5 (B05)									5					
11-23	B23											19			✓
11-35	B35										13			✓	
11-98	B98									6				✓	
11-99	B99									7				✓	
13-04	C4 (C04)								4						
13-08	C8 (C08)									8				✓	
13-23	C23											32			✓
13-35	C35										22			✓	
13-98	C98									10				✓	
15-05	D5 (D05)								5					✓	
15-15	D15								1	14					
15-18	D18									18				✓	
15-23	D23											55			✓
15-35	D35										37			✓	
15-97	D97								4	8				✓	
17-03	E3 (E03)	1									38			✓	
17-06	E6 (E06)							6						✓	
17-08	E8 (E08)								8					✓	
17-11	E11				2	1				8					
17-23	E23											73			✓
17-26	E26									26				✓	
17-35	E35										55			✓	
17-99	E99								2	21				✓	
19-11	F11								11					✓	
19-19	F19	4							14						
19-23	E23											88			✓
19-28	F28								2	26					
19-32	F32									32				✓	
19-35	F35										66			✓	
21-11	G11							11							
21-16	G16								16						
21-23	G23											121			✓
21-35	G35										79			✓	
21-39	G39								2	37				✓	
21-41	G41									41				✓	
21-48	G48			4											
21-76	G76	4													
23-21	H21								21						
23-23	H23											151			✓
23-35	H35										100				
23-53	H53									53				✓	
25-04	J4 (J04)								8	48				✓	
25-09	J9 (J09)	2									97				
25-10	J10	8													
25-11	J11						9			2					
25-23	J23											187			✓
25-47	J47		2						4	40					
25-61	J61									61				✓	

Please note that this list is intended as an overview only and does not contain all available planformd, if your required arrangement is not available please contact us.

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