

Composite Cone and Ring Style EMI/RFI Environmental Shield Termination Backshell with Self-Locking Rotatable Coupling and Strain Relief

CONNECTOR DESIGNATOR:

A	MIL-DTL-5015, -26482 Series II, and -83723 Series I and III
F	MIL-DTL-38999 Series I, II
L	MIL-DTL-38999 Series 1.5 (JN1003)
H	MIL-DTL-38999 Series III and IV
G	MIL-DTL-28840
U	DG123 and DG123A

SELF-LOCKING

ROTATABLE COUPLING

STANDARD PROFILE

Angle and Profile

S - Straight
W - 90° Elbow
T - 45° Elbow

Finish Symbol
(See Table III)Strain Relief
Style
C - Clamp
N - Nut

Product Series

390 - EMI/RFI Environmental
Backshells with Strain Relief

Basic Part
NumberCable Entry
(See Table IV)

390 H S 052 XM 19 20 C

Connector Designator
*A, F, L, H, G and U*Connector Shell Size
(See Table II)

Anti-Decoupling Device

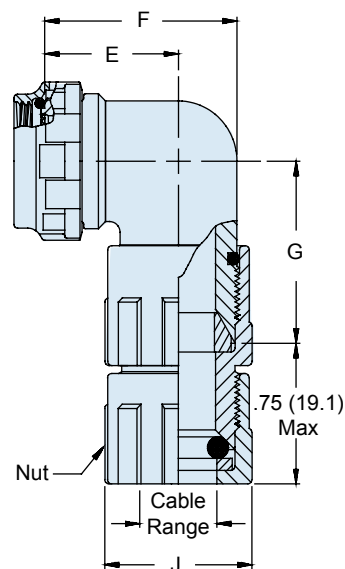
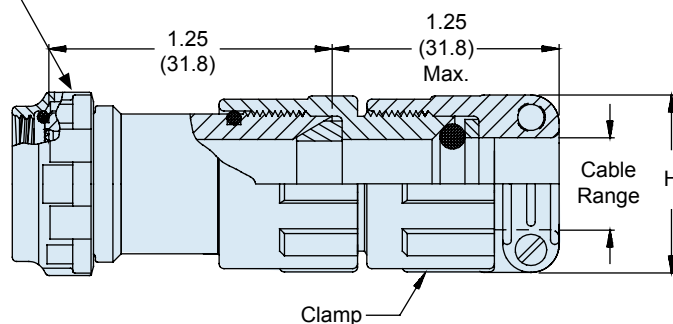


TABLE II: CONNECTOR SHELL SIZE

Shell Size For Connector Designator					E	F	G	Max Entry
A	F/L	H	G	U	± .06 (1.5)	± .09 (2.3)	± .09 (2.3)	Dash No.**
08	08	09	—	—	.69 (17.5)	.88 (22.4)	1.06 (26.9)	10
10	10	11	—	08	.75 (19.1)	1.00 (25.4)	1.13 (28.7)	12
12	12	13	11	10	.81 (20.6)	1.13 (28.7)	1.19 (30.2)	14
14	14	15	13	12	.88 (22.4)	1.31 (33.3)	1.25 (31.8)	16
16	16	17	15	14	.94 (23.9)	1.38 (35.1)	1.31 (33.3)	20
18	18	19	17	16	.97 (24.6)	1.44 (36.6)	1.34 (34.0)	20
20	20	21	19	18	1.06 (26.9)	1.63 (41.4)	1.44 (36.6)	22
22	22	23	—	20	1.13 (28.7)	1.75 (44.5)	1.50 (38.1)	24
24	24	25	23	22	1.19 (30.2)	1.88 (47.8)	1.56 (39.6)	28
28	—	—	25	24	1.34 (34.0)	2.13 (54.1)	1.66 (42.2)	32

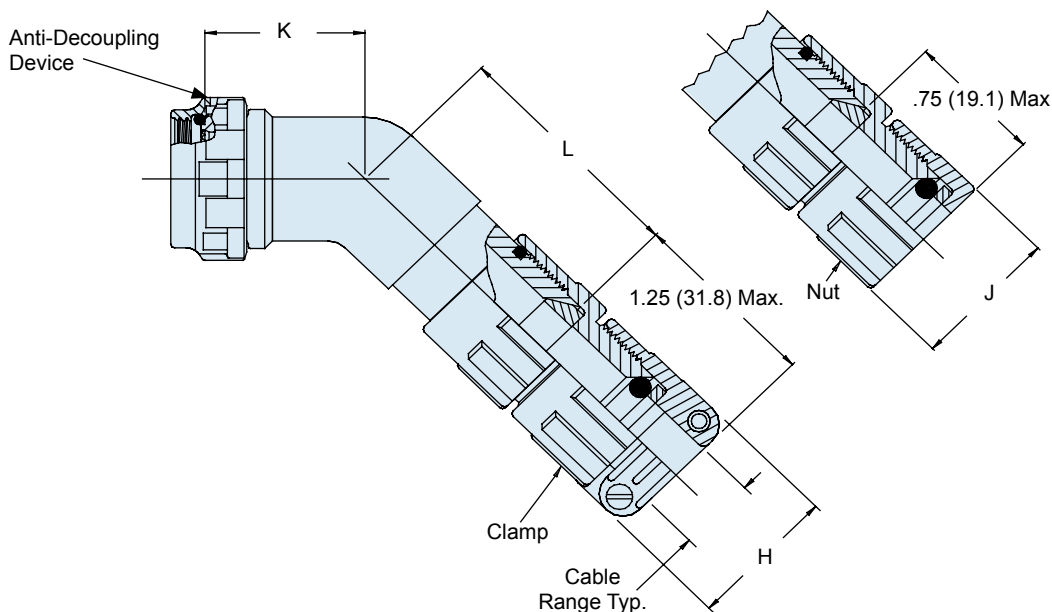
TABLE III: FINISH

Symbol	Finish Description
XM	2000 Hour Corrosion Resistant Electroless Nickel
XMT	2000 Hour Corrosion Resistant Ni-PTFE, Nickel-Fluorocarbon Polymer. 1000 Hour Grey™
XW	2000 Hour Corrosion Resistant Cadmium/Olive Drab over Electroless Nickel

390-052
Composite Cone and Ring Style
EMI/RFI Environmental Shield Termination Backshell
with Self-Locking Rotatable Coupling and Strain Relief



Composite
Backshells



A

TABLE IV: CABLE ENTRY (CONT.)

Entry Code	H		J		Cable Range				Entry Code	Clamp Saddle Closed	
	±.06	(1.5)	±.06	(1.5)	Minimum		Maximum				
10	.94	(23.9)	.80	(20.3)	.13	(3.3)	.25	(6.4)	10	.20	(5.1)
12	1.17	(29.7)	.93	(23.6)	.25	(6.4)	.38	(9.7)	12	.29	(7.4)
14	1.28	(32.5)	1.06	(26.9)	.31	(7.9)	.44	(11.2)	14	.40	(10.2)
16	1.41	(35.8)	1.22	(31.0)	.50	(12.7)	.63	(15.9)	16	.48	(12.2)
18	1.50	(38.1)	1.24	(31.5)	.56	(14.2)	.69	(17.5)	18	.55	(14.0)
20	1.56	(39.6)	1.37	(34.8)	.63	(16.0)	.75	(19.1)	20	.64	(16.0)
22	1.69	(42.9)	1.49	(37.8)	.75	(19.1)	.88	(22.2)	22	.72	(18.3)
24	1.81	(46.0)	1.62	(41.1)	.88	(22.4)	1.00	(25.4)	24	.79	(20.1)
28	1.91	(48.5)	1.68	(42.7)	1.00	(25.4)	1.13	(28.6)	28	.89	(22.0)
32	2.02	(51.3)	1.82	(46.2)	1.13	(28.6)	1.25	(31.8)	32	.96	(24.0)

TABLE II: CONNECTOR SHELL SIZE (CONT.)

Shell Size For Connector Designator		K		L		Max Entry Dash No. *
A & F/L	H	± .06	(1.5)	± .06	(1.5)	
08	09	.72	(18.3)	.88	(22.4)	10
10	11	.75	(19.1)	.94	(23.9)	12
12	13	.75	(19.1)	1.00	(25.4)	14
14	15	.76	(19.3)	1.03	(26.2)	16
16	17	.78	(19.8)	1.06	(26.9)	20
18	19	.79	(20.1)	1.07	(27.2)	20
20	21	.82	(20.8)	1.09	(27.7)	22
22	23	.86	(21.8)	1.14	(29.0)	24
24	25	.92	(23.4)	1.17	(29.7)	28

NOTES

1. Coupling nut supplied unplated.
2. Metric dimensions (mm) are in parenthesis and are for reference only.
3. Consult factory for additional entry sizes available.
4. See Table I in Intro for front-end dimensional details.

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