

380-099 Composite Cone and Ring Style EMI/RFI Shield Termination Backshell with Self-Locking Coupling Nut 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

380 - EMI/RFI Non Environmental Backshells with Strain Relief

Basic Part Number

Cable Entry

(See Table IV)

380

H

S

099

XM

19

20

C

Connector Designator

A, F, L, H, G and U

Connector Shell Size

(See Table II)

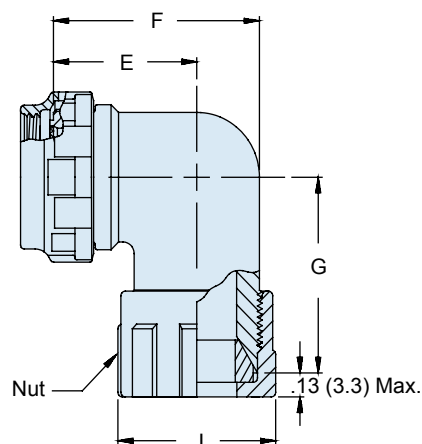
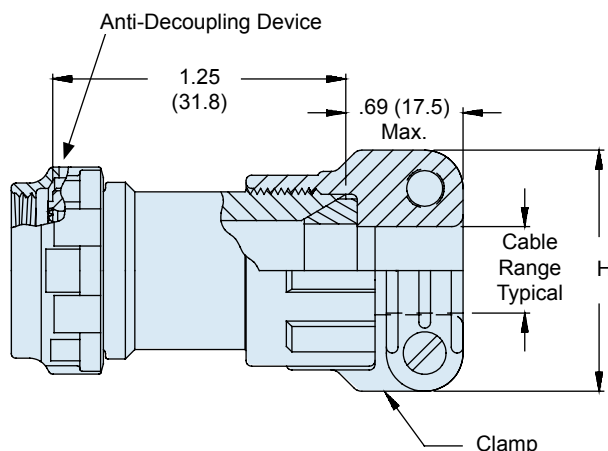


TABLE II: CONNECTOR SHELL SIZE

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)	1.19	(30.2)	10
10	10	11	—	08	.75	(19.1)	1.00	(25.4)	1.25	(31.8)	12
12	12	13	11	10	.81	(20.6)	1.13	(28.7)	1.31	(33.3)	14
14	14	15	13	12	.88	(22.4)	1.31	(33.3)	1.38	(35.1)	16
16	16	17	15	14	.94	(23.9)	1.38	(35.1)	1.44	(36.6)	20
18	18	19	17	16	.97	(24.6)	1.44	(36.6)	1.47	(37.3)	20
20	20	21	19	18	1.06	(26.9)	1.63	(41.4)	1.56	(39.6)	22
22	22	23	—	20	1.13	(28.7)	1.75	(44.5)	1.63	(41.4)	24
24	24	25	23	22	1.19	(30.2)	1.88	(47.8)	1.69	(42.9)	28
28	—	—	25	24	1.34	(34.0)	2.13	(54.1)	1.78	(45.2)	32

**Consult factory for additional entry sizes available.
See Introduction for additional connector front-end details.

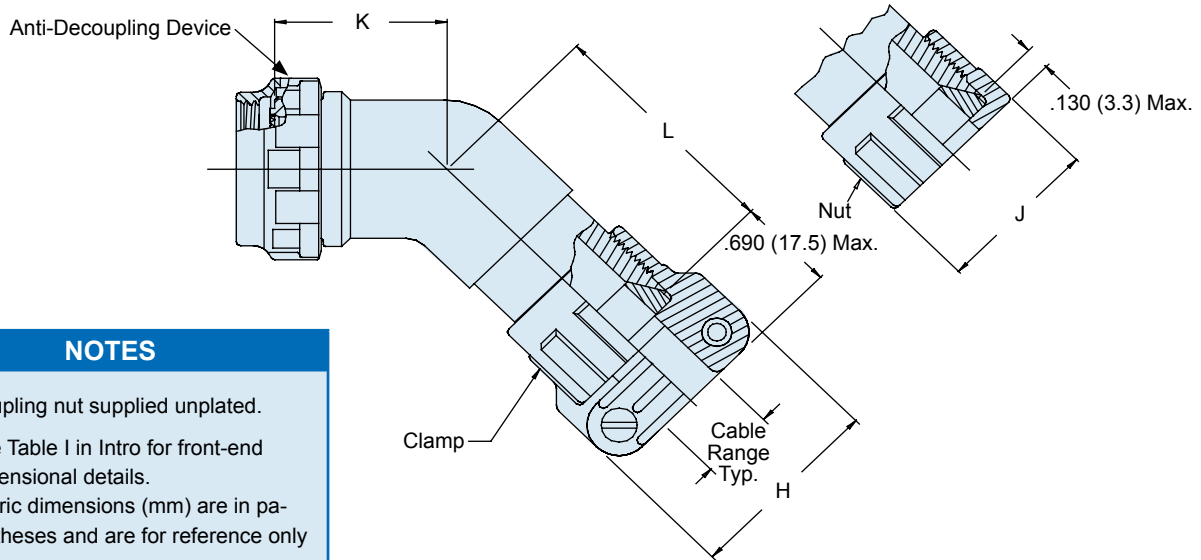
TABLE III: FINISH

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

380-099
Composite Cone and Ring Style
EMI/RFI Shield Termination Backshell
with Self-Locking Coupling Nut and Strain Relief Clamp



Composite
Backshells



NOTES

1. Coupling nut supplied unplated.
2. See Table I in Intro for front-end dimensional details.
3. Metric dimensions (mm) are in parentheses and are for reference only

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

* Consult factory for additional entry sizes available.

TABLE IV: CABLE ENTRY

Dash No.	H		J		Cable Range *			
	±.06	(1.5)	±.06	(1.5)	Minimum		Maximum	
10	.94	(23.9)	.80	(20.3)	.20	(5.1)	.25	(6.4)
12	1.17	(29.7)	.93	(23.6)	.29	(5.1)	.38	(9.7)
14	1.28	(32.5)	1.06	(26.9)	.40	(10.1)	.44	(11.2)
16	1.41	(35.8)	1.22	(31.0)	.48	(12.2)	.63	(15.9)
18	1.50	(38.1)	1.24	(31.5)	.55	(14.0)	.69	(17.5)
20	1.56	(39.6)	1.37	(34.8)	.64	(16.3)	.75	(19.1)
22	1.69	(42.9)	1.49	(37.8)	.72	(18.3)	.88	(22.2)
24	1.81	(46.0)	1.62	(41.1)	.79	(20.0)	1.00	(25.4)
28	1.91	(48.5)	1.68	(42.7)	.89	(20.3)	1.13	(28.6)
32	2.02	(51.3)	1.82	(46.2)	.96	(24.4)	1.25	(31.8)

* Cable range equals diameter of cable outer jacket.

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