

440-087

Ultra Lightweight Banding Strain Relief with Rotatable Coupling

CONNECTOR DESIGNATOR:

F MIL-DTL-38999 Series I, II
H MIL-DTL-38999 Series III and IV

ROTATABLE COUPLING

STANDARD PROFILE

Product Series

440 - Banding Strain Relief

Angle and Profile

A - 90° Clamp
B - 45° Clamp
S - Straight
W - 90° Split Clamp

Coupling Nut Finish Symbol

(See Table III)
XM - 90° Elbow

Supplied with 600-083 Band

(Omit if Not Required)

440

F

S

087

XM

20

B

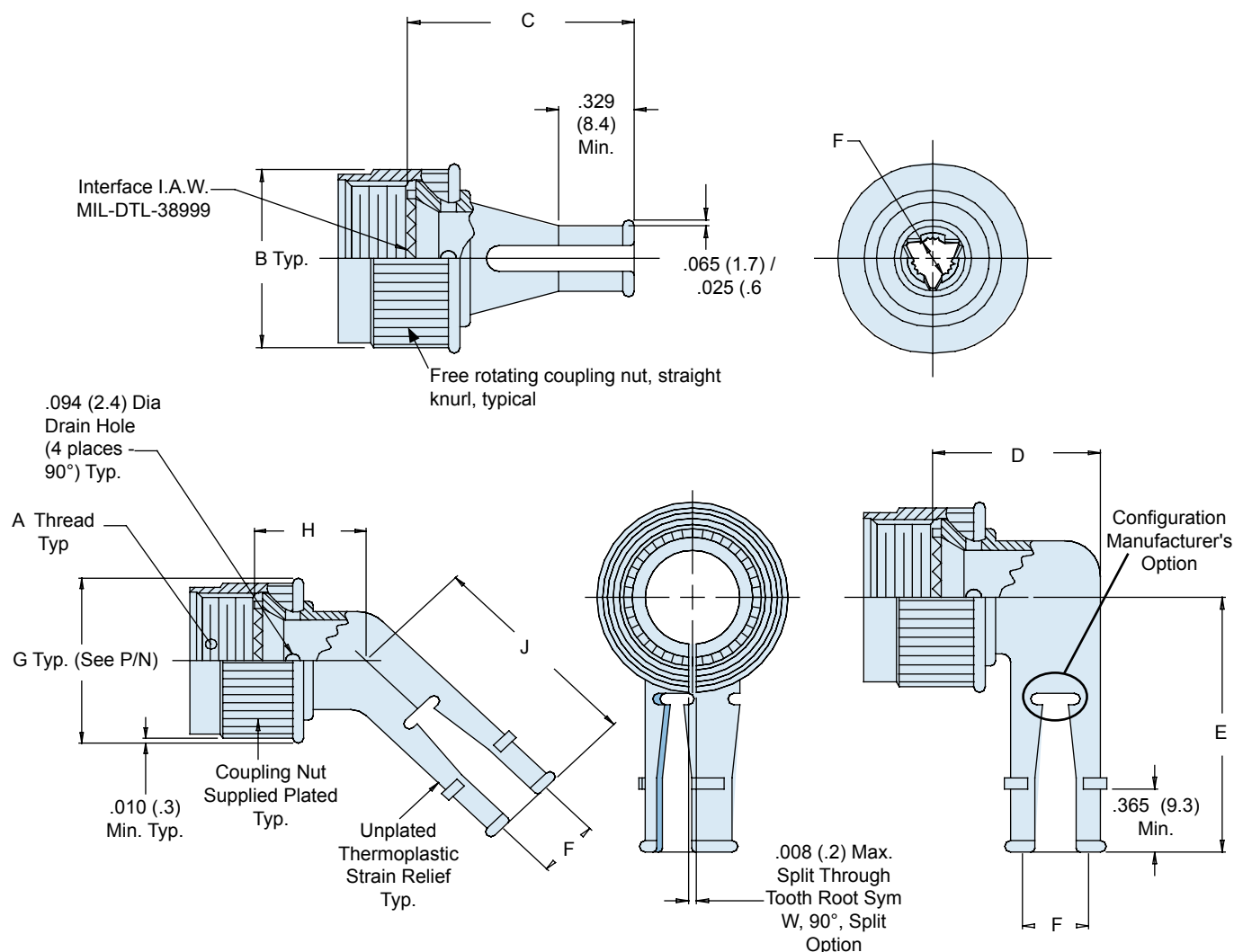
L

Connector
Designator
F and H

Basic Part
Number

Connector
Shell Size
(See Table II)

Add Letter "L" for Coupling
Nut Less G Diameter
Omit Letter "L" for Coupling
Nut With G Diameter



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Composite
Backshells

A

TABLE II: CONNECTOR SHELL SIZE ORDER NUMBER

Shell Size For Connector Designator		B		C		D		E	
H	F	Max		Max		+ .03 - .06	(.8) (1.5)	Max	
09	08	.562 (14.3)		1.22 (31.0)		.66	(16.8)	1.02	(25.9)
11	10	.688 (17.5)		1.22 (31.0)		.69	(17.5)	1.07	(27.2)
13	12	.817 (20.8)		1.22 (31.0)		.75	(19.1)	1.13	(28.7)
15	14	.930 (23.6)		1.22 (31.0)		.86	(21.8)	1.33	(33.8)
17	16	1.062 (27.0)		1.22 (31.0)		.94	(23.9)	1.40	(35.6)
19	18	1.188 (30.2)		1.22 (31.0)		1.00	(25.4)	1.46	(37.1)
21	20	1.312 (33.3)		1.30 (33.0)		1.07	(27.2)	1.61	(40.9)
23	22	1.438 (36.5)		1.30 (33.0)		1.15	(29.2)	1.66	(42.2)
25	24	1.562 (39.7)		1.30 (33.0)		1.21	(30.7)	1.72	(43.7)

TABLE II: CONNECTOR SHELL SIZE ORDER NUMBER (CONT.)

Shell Size For Connector Designator		F Cable Dia		G		H		J	
H	F	Minimum	Maximum	Max		Max		Max	
09	08	.094 (2.4)	.203 (5.2)	.65	(16.5)	.470	(11.9)	1.02	(25.9)
11	10	.141 (3.6)	.250 (6.4)	.76	(19.3)	.482	(12.2)	1.07	(27.2)
13	12	.172 (4.4)	.323 (8.2)	.89	(22.6)	.494	(12.5)	1.13	(28.7)
15	14	.203 (5.2)	.422 (10.7)	1.04	(26.4)	.530	(13.5)	1.33	(33.8)
17	16	.234 (5.9)	.500 (12.7)	1.16	(29.5)	.557	(14.1)	1.40	(35.6)
19	18	.265 (6.7)	.562 (14.3)	1.28	(32.5)	.576	(14.6)	1.46	(37.1)
21	20	.297 (7.5)	.625 (15.9)	1.40	(35.6)	.600	(15.2)	1.61	(40.9)
23	22	.328 (8.3)	.703 (17.9)	1.51	(38.4)	.627	(15.9)	1.66	(42.2)
25	24	.359 (9.1)	.765 (19.4)	1.63	(41.4)	.653	(16.6)	1.72	(43.7)

NOTES

1. Metric dimensions (mm) are in parenthesis and are for reference only.
2. See Table I in Intro for front-end dimensional details.

TABLE III: FINISH

Symbol	Material / Finish Description
XM	Coupling Nut: Aluminum / Electroless Nickel Body: Thermoplastic / Black Color
XMT	Coupling Nut: Aluminum / 1000 Hour Grey™ Body: Thermoplastic / Black Color
XW	Coupling Nut: Aluminum / Cad O.D. over Electroless Nickel Body: Thermoplastic / Black Color

Mouser Electronics

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