

447-330

Composite Non-Environmental EMI/RFI Band-in-a-Can Backshell with Qwik-Clamp Strain-Relief and Self-Locking Rotatable Coupling

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

Finish Symbol

(See Table III)

Slot Option

S - Pigtail
Termin. Slot
(Omit for none)

Product Series

447 - EMI/RFI Non-Environmental
Banding Backshells

Basic Part Number

Cable Entry
(See Table IV)

447

H

S

330

XM

19

28

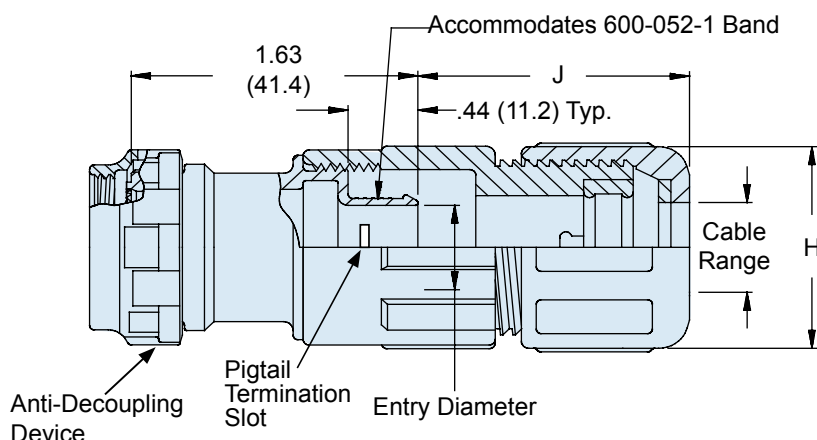
K

S

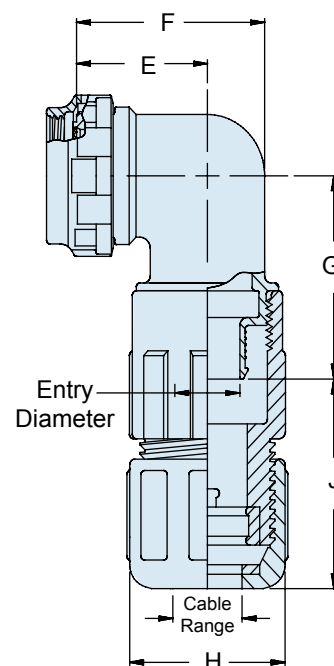
Connector Designator
A, F, L, H, G and U

Connector Shell Size
(See Table II)

Band Option
Band supplied
with *K* option
(Omit for none)



US PATENT 5211576



NOTES

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

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**Composite Non-Environmental EMI/RFI
Band-in-a-Can Backshell with Qwik-Clamp Strain-Relief
and Self-Locking Rotatable Coupling**

Composite
Backshells

A

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)	08
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)	16
14	14	15	13	12	.88	(22.4)	1.31	(33.3)	1.38	(35.1)	20
16	16	17	15	14	.94	(23.9)	1.38	(35.1)	1.44	(36.6)	24
18	18	19	17	16	.97	(24.6)	1.44	(36.6)	1.47	(37.3)	28
20	20	21	19	18	1.06	(26.9)	1.63	(41.4)	1.56	(39.6)	32
22	22	23	—	20	1.13	(28.7)	1.75	(44.5)	1.63	(41.4)	36
24	24	25	23	22	1.19	(30.2)	1.88	(47.8)	1.69	(42.9)	40
28	—	—	25	24	1.34	(34.0)	2.13	(54.1)	1.78	(45.2)	44

**Consult factory for additional entry sizes available.

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

TABLE IV: CABLE ENTRY

Entry Code	H	J	Entry Dia.		Cable Range	
	±.06 (1.5)	±.06 (1.5)	±.03 (0.8)		Minimum	Maximum
08	.72 (18.3)	.97 (24.6)	.25 (6.4)		.10 (2.5)	.25 (6.4)
12	.91 (23.1)	1.11 (28.2)	.38 (9.7)		.20 (5.1)	.38 (9.7)
16	1.09 (27.7)	1.21 (30.7)	.50 (12.7)		.33 (8.4)	.50 (12.7)
20	1.22 (31.0)	1.21 (30.7)	.63 (15.9)		.45 (11.4)	.63 (15.9)
24	1.34 (34.0)	1.21 (30.7)	.75 (19.1)		.52 (13.2)	.75 (19.1)
28	1.53 (38.9)	1.36 (34.5)	.88 (22.2)		.64 (16.3)	.88 (22.2)
32	1.72 (43.7)	1.51 (38.4)	1.00 (25.4)		.77 (19.6)	1.00 (25.4)
36	1.85 (47.0)	1.51 (38.4)	1.13 (28.6)		.86 (21.8)	1.13 (28.6)
40	1.97 (50.0)	1.51 (38.4)	1.25 (31.8)		.98 (24.9)	1.25 (31.8)
44	2.09 (53.1)	1.63 (41.4)	1.38 (35.1)		1.13 (28.6)	1.38 (35.1)

* Entry diameter equals maximum wire bundle diameter.

** Cable range equals cable outer diameter.