

Composite Ultra Low Profile EMI/RFI Micro-Banding Backshell with Qwik-Ty, Shrink Boot Porch and Self-Locking Rotatable Coupling

CONNECTOR DESIGNATOR:

F MIL-DTL-38999 Series I, II**H** MIL-DTL-38999 Series III and IV**SELF-LOCKING****ROTATABLE COUPLING****ULTRA LOW PROFILE**

Angle and Profile

S - Straight **A** - 90° Low Profile, Std
T - 45° Elbow **E** - 90° Low Profile, Split
W - 90° Low Profile, Solid

Cable Entry

(See Table II)
 Omit for E and
 W Option Only

Drain Hole Option

(Omit "D" if not required)

Shrink Boot Option

Shrink boot supplied
 with **T** option
 O-Ring will not be supplied
 with Connector Designator A
 (Omit for none)

Product Series

440 - EMI/RFI Non-Environmental
 Micro-Banding Backshells

Basic Part
Number

Finish Symbol

(See Table III)

440**H****S****143****XM****15****09****D****B****T****S**

Connector Designator

A, F or H

(See Table I)

See Note 1

Connector Shell Size

(See Table I)

See Note 1

Band Option

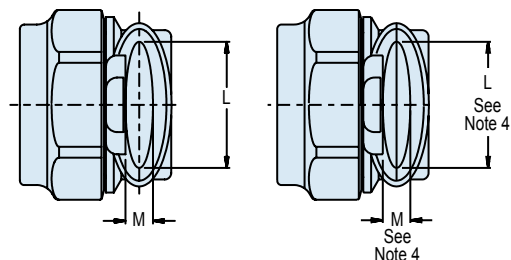
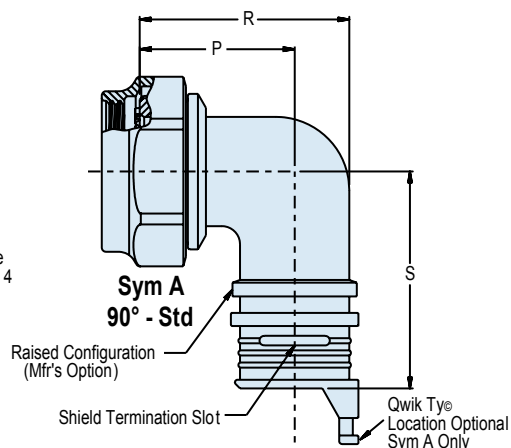
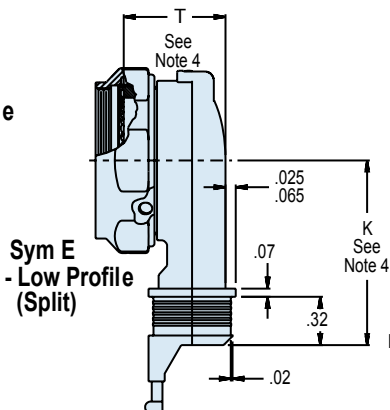
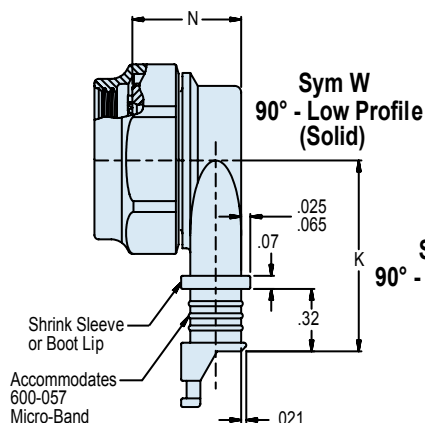
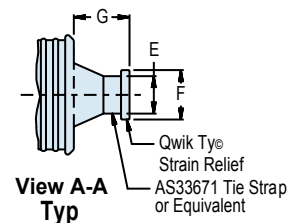
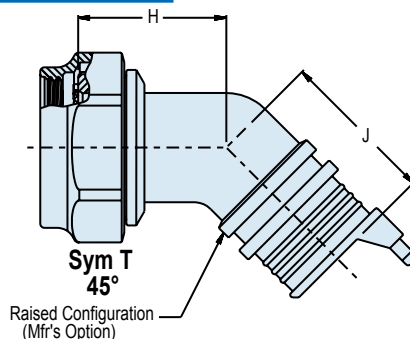
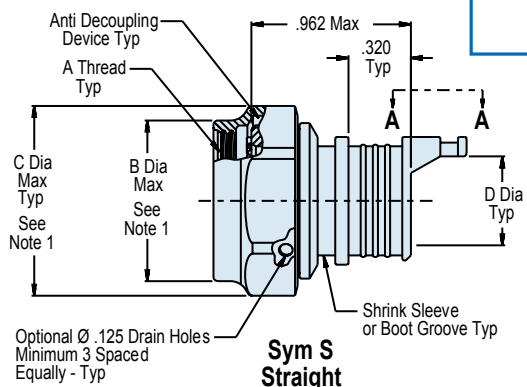
Band supplied

with **B** option

(Omit for none)

Shield
Termination
Slot

(Omit for none)



440-143
Composite Ultra Low Profile EMI/RFI
Micro-Banding Backshell with Qwik-Ty, Shrink Boot Porch
and Self-Locking Rotatable Coupling



Composite Backshells

A

TABLE I: SHELL SIZE

Shell Size		Entry Code Available for Straight, 45° and 90° Std Configuration	K ± .03	L	M	N Max	P ±.09	R ±.09	S Max	T Max
A & F	H									
08	09	04	1.042 (26.5)	.304 (7.7)	.160 (4.1)	.630 (16.0)	.690 (17.5)	.880 (22.4)	1.360 (34.5)	.810 (20.6)
10	11	05	1.107 (28.1)	.432 (11.0)	.174 (4.4)	.660 (16.8)	.750 (19.1)	1.000 (24.5)	1.420 (36.1)	.810 (20.6)
12	13	07	1.174 (29.8)	.546 (13.9)	.195 (5.0)	.720 (18.3)	.810 (20.6)	1.130 (28.7)	1.480 (37.6)	.820 (20.8)
14	15	09	1.241 (31.5)	.670 (17.0)	.315 (8.0)	.830 (21.1)	.880 (22.4)	1.310 (33.3)	1.550 (39.4)	.880 (22.4)
16	17	05 and 11	1.305 (33.1)	.796 (20.2)	.385 (9.8)	.910 (23.1)	.940 (23.9)	1.380 (35.1)	1.610 (40.9)	.930 (23.6)
18	19	07 and 13	1.371 (34.8)	.902 (22.9)	.445 (11.3)	.930 (23.6)	.970 (24.6)	1.440 (36.6)	1.640 (41.7)	.990 (25.1)
20	21	09 and 15	1.438 (36.5)	1.027 (26.1)	.525 (13.3)	1.040 (26.4)	1.060 (26.9)	1.630 (41.4)	1.730 (43.9)	1.060 (26.9)
22	23	11 and 16	1.505 (38.2)	1.152 (29.3)	.595 (15.1)	1.120 (28.4)	1.130 (28.7)	1.750 (44.5)	1.800 (45.7)	1.130 (28.7)
24	25	07, 13 and 17	1.572 (39.9)	1.276 (32.4)	.655 (16.6)	1.180 (30.0)	1.190 (30.2)	1.880 (47.8)	1.860 (47.2)	1.050 (26.7)
24*	25		1.850 (47.0)	1.460 (37.1)	.450 (11.4)	1.020 (26.0)				1.050 (26.7)

*See Note 4

TABLE II: CABLE ENTRY

Entry Code	D ± .030	E Ref	F Ref	G Ref	H ± .060	J ± .090
04	.250 (6.4)	.187 (4.7)	.312 (7.9)	.512 (13.0)	.720 (18.3)	.870 (22.1)
05	.310 (7.9)	.187 (4.7)	.312 (7.9)	.512 (13.0)	.750 (19.1)	.930 (23.6)
07	.440 (11.2)	.187 (4.7)	.312 (7.9)	.512 (13.0)	.750 (19.1)	1.00 (25.4)
09	.560 (14.2)	.219 (5.6)	.375 (9.5)	.630 (16.0)	.760 (19.3)	1.03 (26.2)
11	.680 (17.3)	.219 (5.6)	.375 (9.5)	.630 (16.0)	.780 (19.8)	1.05 (26.7)
13	.810 (20.6)	.219 (5.6)	.375 (9.5)	.630 (16.0)	.790 (20.1)	1.06 (26.9)
15	.940 (23.9)	.219 (5.6)	.375 (9.5)	.630 (16.0)	.820 (20.8)	1.09 (27.7)
16	1.000 (25.4)	.219 (5.6)	.375 (9.5)	.630 (16.0)	.860 (21.8)	1.13 (28.7)
17	1.160 (29.5)	.250 (6.4)	.437 (11.1)	.630 (16.0)	.890 (22.6)	1.16 (29.5)

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

NOTES

1. 770-001S**-0 shrink boot supplied with T option. See shrink boot product page for more details.
2. Coupling nut supplied unplated.
3. See Table I in Intro for front-end dimensional details.
4. For Sym "E" low profile split shell sizes 24 and 25 dimensions, use indicator row in Table I.

Mouser Electronics

Authorized Distributor

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[440HS143XM1105DS](#) [440HT143XM1509DS](#) [440HS143XM1509DS](#) [440HS143XM0904S](#) [440FA143XW1611DS](#)
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