



**MIL-DTL-38999 Series III Type
440-144 Composite Micro Banding Backshell**

BACKSHELLS AND ACCESSORIES

Part Number Development														
Sample Part Number	440				H	S	144	XM	15	09	D	B	T	S
Product Series	440 = EMI/RFI non-environmental, composite self-locking, micro-band backshell													
Connector Designator	H = MIL-DTL-38999 Series III													
Angle and Profile	S = Straight T = 45° Elbow W = 90° Low Profile, Solid Profile A = 90° Standard E = 90° Low Profile, Split D = 90° Med Profile, Split													
Basic Number	144													
Finish	XM = Electroless Nickel XW = Cadmium O/D over Electroless Nickel XMT = Nickel-PTFE 1000 Hour Gray XMD = Electroless Nickel - Enhanced All finishes are 2000 hour corrosion resistant													
Connector Shell Size	See dimensions table													
Cable Entry Code	See cable entry table; omit for low profile 90° symbols D, E and W only.													
Drain Hole Option	D = With Drain Hole; omit if not required													
Band Option	B = Supplied with Band, omit for none.													
Shrink Boot Option	T = Shrink Boot, omit for none.													
Shield Termination Slot	S = with Slot, omit for none.													

Dimensions												
Shell Size	Entry Code*	G Max	H ± .03 (0.76)	J	K	L ±.09 (2.29)	M ±.09 (2.29)	N Max	P Max	W Dim	X Max	Sym W, E Shrink Boot Option
09	04	.63 (16.0)	1.042 (26.5)	.304 (7.7)	.160 (4.1)	.69 (17.5)	.88 (22.4)	1.36 (34.5)	.81 (20.6)	.232 (5.89)	.91 (23.11)	770-003S102
11	05	.66 (16.8)	1.107 (28.1)	.432 (11.0)	.174 (4.4)	.75 (19.1)	1.00 (24.5)	1.42 (36.1)	.81 (20.6)	.303 (7.70)	.97 (24.64)	770-003S103
13	07	.72 (18.3)	1.174 (29.8)	.546 (13.9)	.195 (5.0)	.81 (20.6)	1.13 (28.7)	1.48 (37.6)	.82 (20.8)	.370 (9.40)	1.02 (25.91)	770-003S103
15	09	.83 (21.1)	1.241 (31.5)	.670 (17.0)	.315 (8.0)	.88 (22.4)	1.31 (33.3)	1.55 (39.4)	.88 (22.4)	.492 (12.50)	1.08 (27.43)	770-003S103
17	05 & 11	.91 (23.1)	1.305 (33.1)	.796 (20.2)	.385 (9.8)	.94 (23.9)	1.38 (35.1)	1.61 (40.9)	.93 (23.6)	.590 (14.99)	1.16 (29.46)	770-003S104
19	07 & 13	.93 (23.6)	1.371 (34.8)	.902 (22.9)	.445 (11.3)	.97 (24.6)	1.44 (36.6)	1.64 (41.7)	.99 (25.1)	.673 (17.09)	1.25 (31.75)	770-003S105
21	09 & 15	1.04 (26.4)	1.438 (36.5)	1.027 (26.1)	.525 (13.3)	1.06 (26.9)	1.63 (41.4)	1.73 (43.9)	1.06 (26.9)	.776 (19.71)	1.34 (34.04)	770-003S105
23	11 & 16	1.12 (28.4)	1.505 (38.2)	1.152 (29.3)	.595 (15.1)	1.13 (28.7)	1.75 (44.5)	1.80 (45.7)	1.13 (28.7)	.873 (22.17)	1.43 (36.32)	770-003S106
25	07, 13 & 17	1.18 (30.0)	1.572 (39.9)	1.276 (32.4)	.655 (16.6)	1.19 (30.2)	1.88 (47.8)	1.86 (47.2)	1.05 (26.7)	.909 (23.09)	1.54 (39.12)	770-003S106
25	--	--	1.850 (47.0)	1.460 (37.1)	.450 (11.4)	--	--	--	1.05 (26.7)	.909 (23.09)	1.54 (39.12)	770-003S106

*Available for Straight, 45° and 90° Standard Configuration

Cable Entry				
Entry Code	D ± .030 (0.76)	H ± .060 (1.52)	J ± .090 (2.29)	Sym S, T, A Shrink Boot (Option T)
04	.25 (6.4)	.72 (18.3)	.87 (22.1)	770-003S102
05	.31 (7.9)	.75 (19.1)	.93 (23.6)	770-003S102
07	.44 (11.2)	.75 (19.1)	1.00 (25.4)	770-003S103
09	.56 (14.2)	.76 (19.3)	1.03 (26.2)	770-003S103
11	.68 (17.3)	.78 (19.8)	1.05 (26.7)	770-003S104
13	.81 (20.6)	.79 (20.1)	1.06 (26.9)	770-003S105
15	.94 (23.9)	.82 (20.8)	1.09 (27.7)	770-003S106
16	1.00 (25.4)	.86 (21.8)	1.13 (28.7)	770-003S106
17	1.16 (29.5)	.89 (22.6)	1.16 (29.5)	770-003S107

NOTES

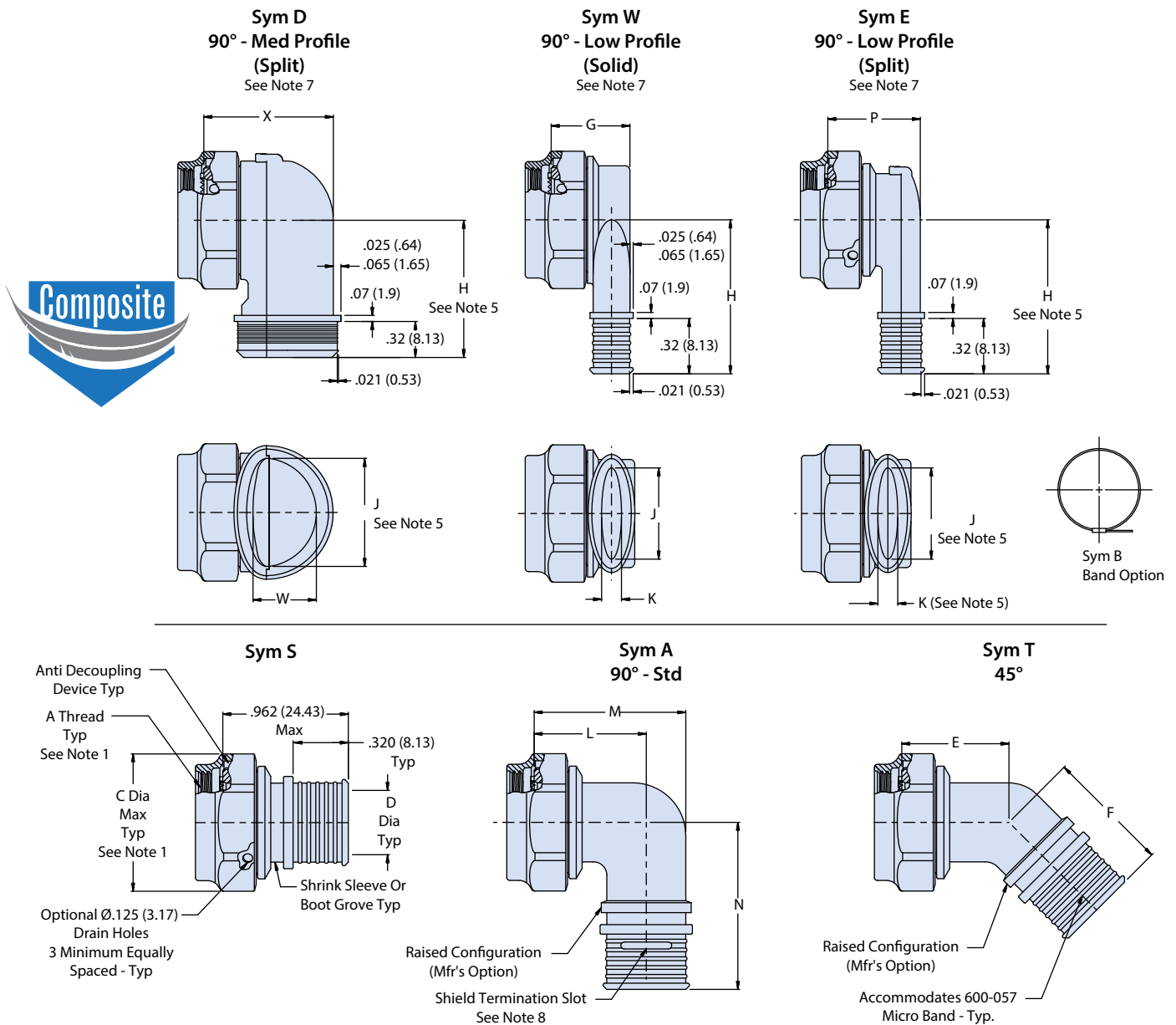
1. See composite accessory interface data on page H-6
2. Assembly identified with manufacturer's name and P/N space permitting
3. for effective grounding, connector with conductive finish should be used
4. Glenair 600 series backshell assembly tools are recommended for assembly and installation
5. For Sym 'E' and 'D' low profile split (SS24/25) dimensions used indicated row in dimensions table
6. For interface O-ring seal, contact engineering

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COMPOSITE BACKSHELL WITH SELF-LOCKING COUPLING NUT, SHRINK BOOT GROOVE AND MICRO-BAND BANDING PORCH

BACKSHELLS AND ACCESSORIES



NOTES (CONT.)

- Entry code is not used for angular functions 'W', 'E', and 'D'.
Entry dimensions for these configurations are per shell size in dimensions table
- A minimum of two shield terminations slots will be supplied on backshell with exception to symbol, 'E', which are supplied with one slot
- Material/finish
 - Adapter: high grade engineering thermoplastic/see P/N development, finish
 - coupling nut and anti-decoupling device: high grade engineering thermoplastic/supplied unplated, black