



470-015

StarShield™ EMI/RFI Shield Termination Backshell for MIL-DTL-38999 Series I and II Connectors

Non
EnvironmentalSelf
LockingRear End
OptionsStandard
LengthHigh
Ferrule Count

StarShield™ non-environmental, standard length backshell with self-locking coupling

Product Series470 -
StarShield™**Angular
Function**S - Straight
H - 45°
J - 90°**Finish Code
(See Table II)**

NF

**Ferrule
Quantity Code
(See Table I)**

16

Drilled StarDS - Drilled Star -
Optional
(Omit if Not Required)
(See Note 4)

470

F

S

015

NF

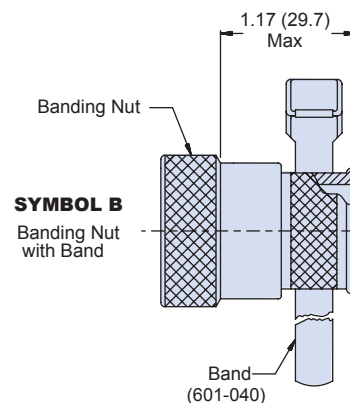
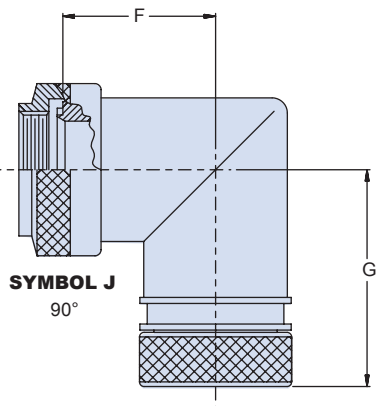
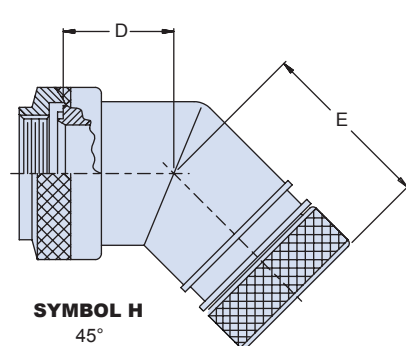
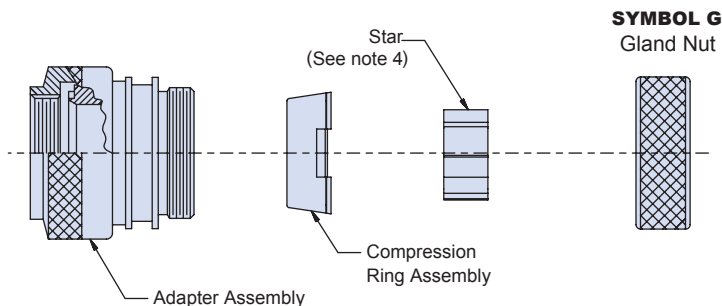
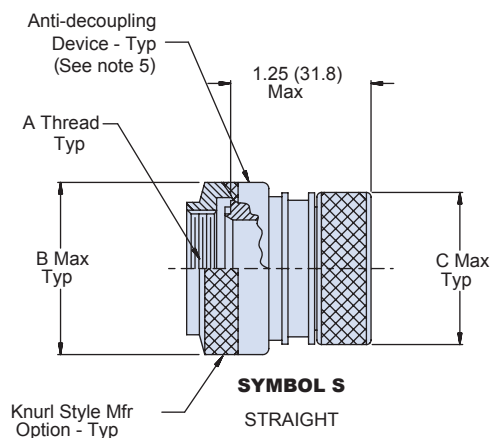
16

6

G

DS

- T

Connector DesignatorF - MIL-DTL-38999
Series 1 and II**Basic
Number****Order
Number
(See Table I)****Rear End Options**B - Compression Nut
with Band
C - Conduit Adapter
G - Gland Nut**Shrink Boot**T - Shrink Boot -
Optional
(Omit for None)
(See Table III)

Dimensions in inches (millimeters) and are subject to change without notice.

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StarShield™ Zero Length Shield Termination Catalog

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Rev. 03.08.21

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StarShield™
Backshells

Table I : Dimensions

Order No	Connector Shell Size		A Thread Class 2 B	B DIA MAX	C Dia Max	D Max	E Max	F Max
	MIL-DTL-38999 Series II	MIL-DTL-38999 Series I						
08	08	09	7/16-28 UNEF	.69(17.5)	.690 (17.5)	.750 (19.1)	1.000 (25.4)	.880 (22.4)
10	10	11	9/16-24 UNEF	.81(20.6)	.850 (21.5)	.780 (19.8)	1.020 (26.0)	.960 (24.4)
12	12	13	11/16-24 UNEF	.94(23.9)	.890 (22.5)	.810 (20.6)	1.040 (26.5)	1.000 (25.4)
14	14	15	13/16-20 UNEF	1.06(26.9)	1.000 (25.4)	.830 (21.1)	1.080 (27.5)	1.070 (27.2)
16	16	17	15/16-20 UNEF	1.17(29.7)	1.120 (28.5)	.860 (21.8)	1.100 ((28.0)	1.130 (28.7)
18	18	19	1 1/16-18 UNEF	1.29(32.8)	1.240 (31.5)	.880 (22.4)	1.120 (28.5)	1.180 (30.0)
20	20	21	1 3/16-18 UNEF	1.41(35.8)	1.380 (35.0)	.910 (23.1)	1.140 (29.0)	1.250 (31.8)
22	22	23	1 5/16-18 UNEF	1.54(39.1)	1.500 (38.0)	.930 (23.6)	1.180 (30.0)	1.310 (33.3)
24	24	25	1 7/16-18 UNEF	1.66(42.2)	1.610 (41.0)	.940 (23.9)	1.220 (31.0)	1.360 (34.5)

Table I: (Continued)

Order No.	G Max	J Thread ISO Metric	K ± .004 (.10)	Ferrule Quantity (See Note 4)	
				Std.	Opt.
09	1.140 (29.0)	M12 X 1 - 6g	.315 (8.00)	1	-
11	1.200 (30.5)	M15 X 1 - 6g	.531 (13.5)	2	-
13	1.260 (32.0)	M18 X 1 - 6g	.591 (15.0)	3	-
15	1.320 (33.5)	M22 X 1 - 6g	.709 (18.0)	5	-
17	1.380 (35.0)	M25 X 1 - 6g	.827 (21.0)	6	7
19	1.440 (36.5)	M28 X 1 - 6g	.945 (24.0)	7	-
21	1.520 (38.5)	M31 X 1 - 6g	1.063 (27.0)	9	11
23	1.570 (40.0)	M34 X 1 - 6g	1.181 (30.0)	10	13
25	1.630 (41.5)	M37 X 1 - 6g	1.299 (33.0)	12	17

Table II: Material and Finish Options

Code	Material; Finish Description
M	Aluminum; electroless nickel
MT	Aluminum; nickel - PTFE
NF	Aluminum; CAD/O. D. over electroless nickel
ZN	Aluminum; zinc nickel/O. D. over electroless nickel
ZR	Aluminum; zinc nickel/black over electroless nickel (RoHS)
ZRC	Aluminum; zinc nickel over electroless nickel (RoHS)
Z1	Stainless steel; passivate
ZM	Stainless steel; electroless nickel

Material/Finish

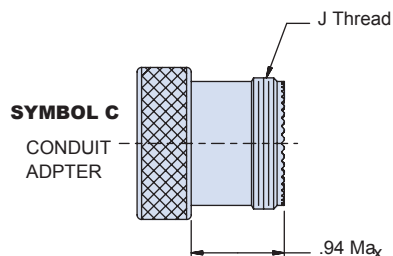
Backshell, elbows, coupling and gland nut, compression ring and star	Aluminum alloy or CRES/Table II
Anti-decoupling device	Corrosion resistant material
O-ring	Silicone/n.a.
Band	CRES/passivate

Table III: Shrink Boot

Shell Size	Shrink Boot Part Number
09	770-001S1 04
11	770-001S1 06
13	770-001S1 06
15	770-001S1 07
17	770-001S1 07
19	770-001S1 08
21	770-001S1 08
23	770-001S1 08
25	770-001S1 09

Notes:

1. Assembly identified with manufacturer's name, part number and date code, space permitting.
2. For effective grounding, connector with conductive finish should be used.
3. Glenair 600 Series Backshell Assembly Tools are recommended for assembly and installation.
4. Star not supplied with order number 09. Drilled star is available on order numbers 15-25 only. If optional ferrule quantity per Table I is selected, one split and one solid star will be supplied.
5. Self-locking functionality, eliminates lock-wire requirements.
6. Ferrule kit sold separately.
687-764 ferrule and HST device kit
687-809 ferrule and sealing device kit
687-748 solder ferrule
687-841-01 HST flex device



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