



477-004 StarShield™ Enviromental EMI/RFI Extended Length Shield Termination Backshell For MIL-DTL-38999 Series III & IV Connectors



Environmental

Extended
LengthSelf
NestorRear End
OptionsHigh
Ferrule Count

StarShield™ environmental, extended length, backshell with self-nestor coupling

Product
Series

477

Angular Function
S = Straight
H = 45°
J = 90°

H

S

Finish Code
(See Table II)

004

Ferrule
Quantity
Code
(See Table I)

17

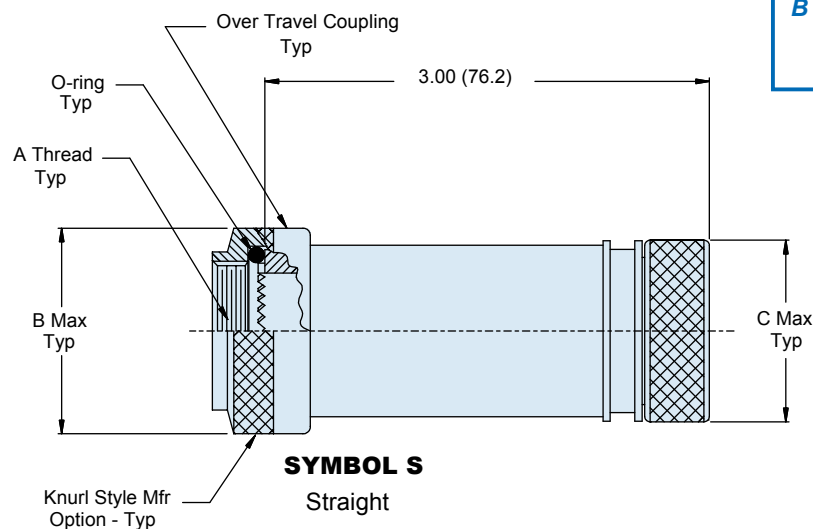
6

G

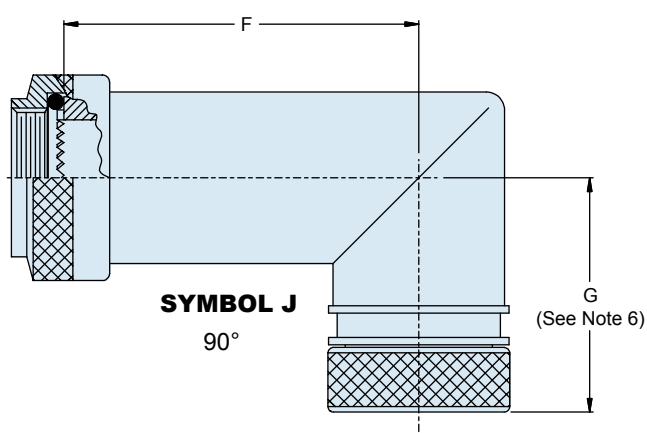
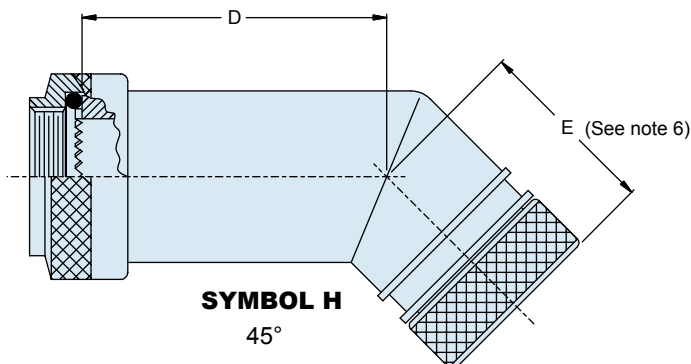
D = Drilled Star
Optional
(See note 4)

DS

- T

Connector Designator
H = MIL-DTL-38999 Series
III & IVBasic
NumberOrder No.,
(See Table I)Rear End
Options
G = Gland nut
B = Banding nut
with band
(see note 6)Shrink Boot
T = Shrink Boot - Optional
(Omit for None)
(See Table III)

Material/Finish	
Backshell, elbows, coupling & gland nut, compression ring, star, banding nut	Al alloy or CRES/ Table II
O-ring	Silicone/n.a.
Band	CRES/passivate



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

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477-004
StarShield™ Enviromental EMI/RFI Extended Length
Shield Termination Backshell
For MIL-DTL-38999 Series III & IV Connectors



Table I: Dimensions

Order No	Connector Shell Size Ref	A Thread Iso Metric	B Dia Max	C Dia Max	D Max	E Max (See Note 6)	F Max	G Max (See Note 6)	H ±.004 (0.10)	Ferrule Quantity (See Note 4)	
										Std.	Opt.
09	A/9	M12 X 1 - 6H	.75 (19.0)	.69(17.5)	2.49 (63.3)	1.00 (25.4)	2.63 (66.8)	1.14 (29.0)	.315 (8.00)	1	-
11	B/11	M15 X 1 - 6H	.87 (22.0)	.85(21.5)	2.51 (63.8)	1.02 (26.0)	2.69 (68.3)	1.20 (30.5)	.531 (13.50)	2	-
13	C/13	M18 X 1 - 6H	1.00 (25.5)	.89(22.5)	2.55 (64.8)	1.04 (26.5)	2.75 (69.8)	1.26 (32.0)	.591 (15.00)	3	-
15	D/15	M22 X 1 - 6H	1.20 (30.5)	1.00(25.5)	2.57 (65.3)	1.08 (27.5)	2.81 (71.3)	1.32 (33.5)	.709 (18.00)	5	-
17	E/17	M25 X 1 - 6H	1.32 (33.5)	1.12(28.5)	2.59 (65.8)	1.10 (28.0)	2.87 (72.8)	1.38 (35.0)	.827 (21.00)	6	7
19	F/19	M28 X 1 - 6H	1.46 (37.0)	1.24(31.5)	2.61 (66.3)	1.12 (28.5)	2.93 (74.3)	1.44 (36.5)	.945 (24.00)	7	-
21	G/21	M31 X 1 - 6H	1.52 (38.5)	1.38(35.0)	2.65 (67.3)	1.14 (29.0)	3.00 (76.3)	1.52 (38.5)	1.063 (27.00)	9	11
23	H/23	M34 X 1 - 6H	1.65 (42.0)	1.50 (38.0)	2.67 (67.8)	1.18 (30.0)	3.06 (77.8)	1.57 (40.0)	1.181 (30.00)	10	13
25	J/25	M37 X 1 - 6H	1.83 (46.5)	1.61 (41.0)	2.71 (68.8)	1.22 (31.0)	3.12 (79.3)	1.63 (41.5)	1.299 (33.00)	12	17

Notes:

- Assembly identified with manufacturer's name and P/N, space permitting.
- For effective grounding, connector with conductive finish should be used.
- Glenair 600 series backshell assembly tools are recommended for assembly and installation.
- Star not supplied with order number 09. Drilled star is available on order numbers 15-25 only. If optional ferrule qty per table 1 is selected, one split and one solid star will be supplied
- Ferrule kit sold separately.
 - 687-764 ferrule and HST device kit
 - 687-748 solder ferrule
 - 687-809 ferrule and sealing device kit
 - 687-841-01 HST flex device
- Selection of banding nut option (B) will add 1.17(29.7) to indicated dimensions

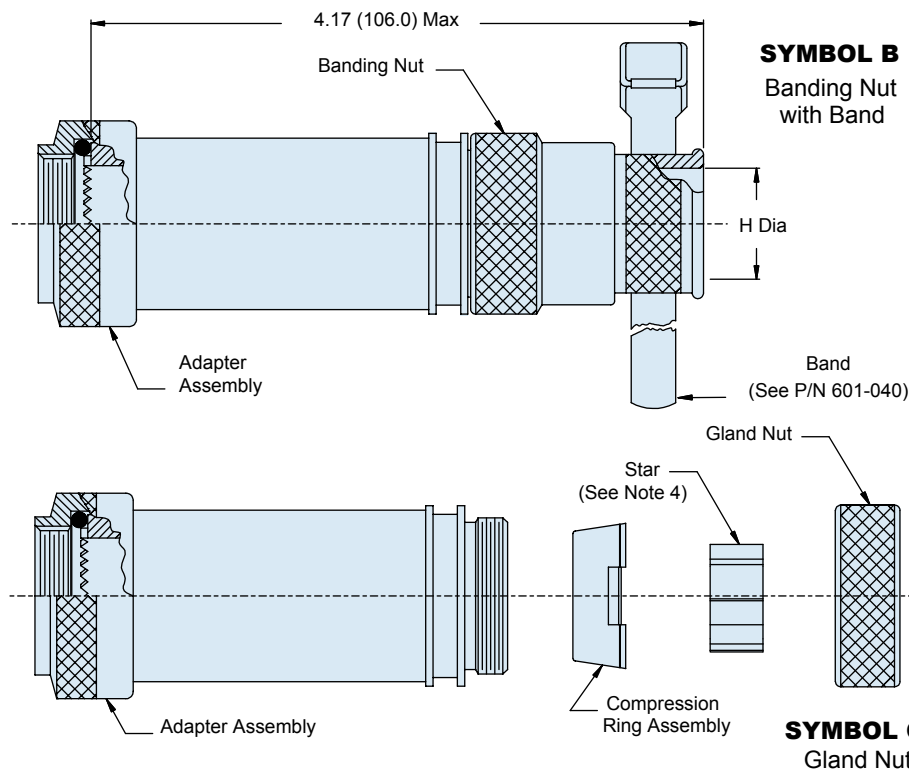


Table II: Material and Finish Options

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

Table III: Shrink Boot

Shell Size	Shrink Boot Ref. Part No.
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

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

Mouser Electronics

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[477HJ004NF2517G](#)