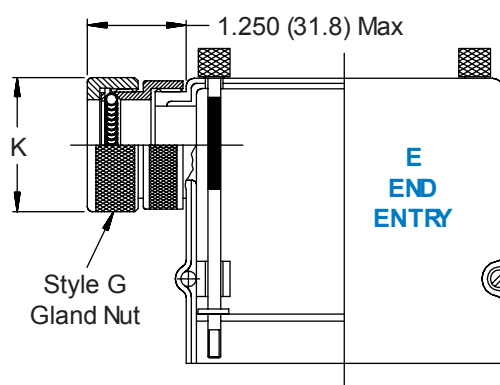
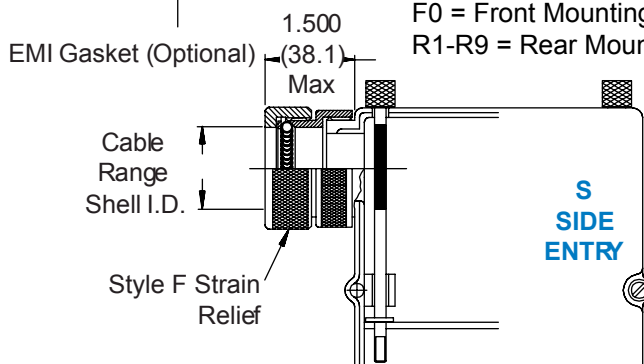
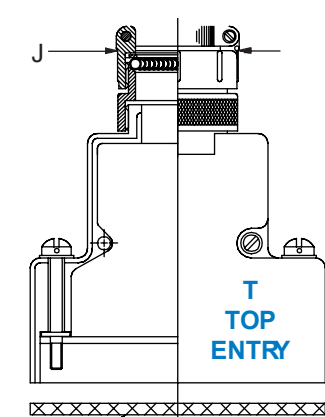




550-008 EMI/RFI D-Subminiature Split Backshell G-Spring Shield Termination with Strain-Relief



550 T 008 M 2 F0 B 1 F 02-04

Basic Part No. ——— Inner Support Ring Dash No. (Part No. 469-001 - Table III) Omit for none (Ring Not Shown)

Cable Entry Style ——— Cable Entry Dash No. (Table II)

T = Top, S = Side, E = End

Basic Part Number ——— F = Strain Relief, G = Gland Nut

Finish Symbol (Page 3) ——— 0 = Without EMI Gasket, 1 = With EMI Gasket

Shell Size (Table I) ——— Jackscrew Type (Page A-4)

Receptacle Mounting (Right Page) ———

CC = Cable-to-Cable Mounting

F0 = Front Mounting

R1-R9 = Rear Mounting

TABLE I: SHELL SIZE & ENTRY

Com'l Shell Size	Entry Style T (Ref)	Entry Style E
Size Ref	Shell I.D.	Shell I.D.
1 E/09	.250 (6.4)	.375 (9.5)
2 A/15	.375 (9.5)	.375 (9.5)
3 B/25	.475 (12.1)	.475 (12.1)
4 C/37	.475 (12.1)	.475 (12.1)
5 D/50	.575 (14.6)	.575 (14.6)
6* F/104	1.000 (25.4)	n/a

* Shell Size 6 Available in Top Entry Only.

1. Metric dimensions (mm) are indicated in parentheses.
2. **DO NOT USE CONNECTORS WITH FLOAT MOUNTINGS.**

TABLE II: BACKSHELL DIMENSIONS & CABLE

Dash No.	J Dim Max	K Max	Cable Range	
			Min	Max
02	.968 (24.6)	.781 (19.8)	.125 (3.2)	.250 (6.4)
03	1.046 (26.6)	.906 (23.0)	.250 (6.4)	.375 (9.5)
04	1.156 (29.4)	1.031 (26.2)	.312 (7.9)	.500 (12.7)
05	1.218 (30.9)	1.156 (29.4)	.437 (11.1)	.625 (15.9)
06	1.343 (34.1)	1.281 (32.5)	.562 (14.3)	.750 (19.1)
07*	1.468 (37.3)	1.406 (35.7)	.687 (17.4)	.875 (22.2)
08*	1.593 (40.5)	1.531 (38.9)	.812 (20.6)	1.000 (25.4)

* Available in Shell Size 6 Only

TABLE III: SUPPORT RING

Dash No.	I.D.		O.D.	
	±.010	(.3)	±.010	(.3)
01	.187	(4.7)	.227	(5.8)
02	.218	(5.5)	.258	(6.6)
03	.250	(6.4)	.290	(7.4)
04	.281	(7.1)	.321	(8.2)
05	.312	(7.9)	.352	(8.9)
06	.343	(8.7)	.383	(9.7)
07	.375	(9.5)	.415	(10.5)
08	.406	(10.3)	.446	(11.3)
09	.438	(11.1)	.478	(12.1)
10	.468	(11.9)	.508	(12.9)
11	.500	(12.7)	.540	(13.7)
12	.531	(13.5)	.571	(14.5)
13	.562	(14.3)	.602	(15.3)
14	.593	(15.1)	.633	(16.1)
15	.625	(15.9)	.665	(16.9)
16	.656	(16.7)	.696	(17.7)
17	.687	(17.4)	.727	(18.5)
18	.718	(18.2)	.758	(19.3)
19	.750	(19.1)	.790	(20.1)
20	.781	(19.8)	.821	(20.9)
21	.812	(20.6)	.852	(21.6)

Consult Factory For Larger Sizes

D-Subminiature Split Backshells Standard Dimensions



MIL-DTL-24308
D-Subminiature



COMMON CONNECTOR/SHELL INTERFACE & BACKSHELL DIMENSIONS

Shell Size	Com'l Shell Size Ref	A Max	B Max	C Ref.	D ±.005 (.1)	P	R Ref
1	E/09	1.393 (35.4)	.624 (15.8)	.312 (7.9)	.984 (25.0)	.730 (18.5)	.719 (18.3)
2	A/15	1.706 (43.3)	.624 (15.8)	.312 (7.9)	1.312 (33.3)	1.050 (26.7)	.719 (18.3)
3	B/25	2.265 (57.5)	.624 (15.8)	.312 (7.9)	1.852 (47.0)	1.594 (40.5)	.938 (23.8)
4	C/37	2.900 (73.7)	.624 (15.8)	.312 (7.9)	2.500 (63.5)	2.240 (56.9)	.938 (23.8)
5	D/50	2.800 (71.1)	.750 (19.1)	.375 (9.5)	2.406 (61.1)	2.140 (54.4)	.938 (23.8)
6	F/104	2.900 (73.7)	.844 (21.4)	.422 (10.7)	2.500 (63.5)	2.240 (56.9)	1.094 (27.8)

CABLE MOUNTING AND BACKSHELL DIMENSIONS

Dash No.	Panel Thickness	E	F ± .031 (0.79)			G ± .031 (0.79)	
			Sizes 1 & 2	Sizes 3 - 5	Size 6	Sizes 1 & 2	Sizes 3 - 5
CC	n/a	.174 (4.4)	1.451 (36.9)	1.671 (42.4)	1.820 (46.2)	1.583 (40.2)	1.831 (46.5)
F0	n/a	.343 (8.7)	1.625 (41.3)	1.844 (46.8)	2.000 (50.8)	1.750 (44.5)	2.000 (50.8)
R1	.031 (.8)	.247 (6.3)	1.525 (38.7)	1.745 (44.3)	1.890 (48.0)	1.656 (42.1)	1.904 (48.4)
R2	.047 (1.2)	.231 (5.9)	1.509 (38.3)	1.728 (43.9)	1.875 (47.6)	1.640 (41.7)	1.888 (48.0)
R3	.062 (1.6)	.216 (5.5)	1.500 (38.1)	1.720 (43.7)	1.860 (47.2)	1.625 (41.3)	1.873 (47.6)
R4	.093 (2.4)	.185 (4.7)	1.470 (37.3)	1.690 (42.9)	1.829 (46.5)	1.594 (40.5)	1.842 (46.8)
R5	.104 (2.6)	.174 (4.4)	1.451 (36.9)	1.671 (42.4)	1.820 (46.2)	1.583 (40.2)	1.831 (46.5)
R6	.125 (3.2)	.153 (3.9)	1.430 (36.3)	1.650 (41.9)	1.798 (45.7)	1.563 (39.7)	1.811 (46.0)
R7	.156 (4.0)	.125 (3.2)	1.400 (35.6)	1.620 (41.1)	1.767 (44.9)	1.531 (38.9)	1.781 (45.2)
R8	.135 (3.4)	.140 (3.6)	1.417 (36.0)	1.637 (41.6)	1.805 (45.8)	1.550 (39.4)	1.798 (45.7)
R9	.188 (4.8)	.094 (2.4)	1.368 (34.7)	1.590 (40.4)	1.740 (44.2)	1.500 (38.1)	1.750 (44.5)

Metric dimensions (mm) are indicated in parentheses.

Standard Materials and Finishes



The following are Glenair's standard finishes. Individual product pages within this catalog list their most common finishes. Additional finishes are listed within the table below.

TABLE II - STANDARD FINISHES

GLENAIR M85049 SYMBOL		FINISH	SPECIFICATION(S)
SYMBOL	REFERENCE ONLY		
B		Cadmium Plate, Olive Drab	AMS-QQ-P-416, Type II, Class 3
C*	A	Anodize, Black	AMS-A-8625, Type II, Class 2
G*		Hard Coat, Anodic	AMS-A-8625, Type III, Class 1
J		Iridite, Gold Over Cadmium Plate Over Electroless Nickel	MIL-C-5541, Class 3 AMS-QQ-P-416, Type II, Class 3 over AMS-C-26074, Class 3 or 4, Grade B
LF		Cadmium Plate, Bright Over Electroless Nickel	1000 Hour Corrosion Resistance
M	N	Electroless Nickel	AMS-C-26074, Class 4, Grade B; & ASTM B733-90, SC2, Type 1, Class 4
N		Cadmium Plate, Olive Drab Over Electroless Nickel	AMS-QQ-P-416, Type II, Class 3 over Electroless Nickel AMS-C-26074
NC		Zinc Cobalt, Dark Olive Drab	96 Hour Corrosion Resistance
NF	W	Cadmium Plate, Olive Drab Over Electroless Nickel	1000 Hour Corrosion Resistance
T		Cadmium Plate, Bright Over Electroless Nickel	AMS-QQ-P-416, Type II, Class 3 over Electroless Nickel, AMS-C-26074, Class 3 or 4, Grade B
U**		Cadmium Plate, Black	AMS-QQ-P-416, Type II, Class 3
ZN		Zinc-Nickel Alloy, Olive Drab	ASTMB 841-91, Over Electroless Nickel 1000 Hour Salt Spray

* Anodize finish; not suitable for EMI Shielding or grounding applications.
 ** Applicable to corrosion resisting steel backshells and accessories. Consult factory for other available finishes.

STANDARD MATERIALS - BACKSHELLS AND ACCESSORIES

COMPONENT	MATERIAL	SPECIFICATION
Machined components: such as backshell bodies, fabricated elbows, protective covers, rotatable couplers, dummy stowage receptacles, lock nuts, G-spring support rings, EMI ground rings, grommet followers, etc.	Aluminum	AMS-QQ-A-200 ASTMB221, 209
Die cast components: such as angular backshells, strain relief backshells, strain relief bodies, strain relief saddles, special EMI ground rings, etc.	Aluminum	QQ-A-591 ASTMB85, 26
Backshells or strain reliefs: available in optional corrosion resisting steel; and hardware: such as screws, washers, rivets, wire rope, sash chain, band straps, etc.	Corrosion Resisting Steel	ASTMA582 (300 Series) AMS-QQ-S-763
Elastomeric seals: such as O-rings, cable jacket seals, grommets, etc.	Silicone	ZZ-R-765, MIL-R-25988
Anti-friction and thrust washers	Teflon	TFE
Anti-rotation device	Corrosion Resistant Material	N/A

NOTES

Unless otherwise specified, the following dimensional tolerances will apply:

.xx = $\pm .03$ (0.8)
 .xxx = $\pm .015$ (0.4)
 Lengths = $\pm .060$ (1.52)
 Angles = $\pm 5^\circ$

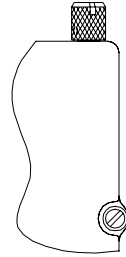
Metric dimensions (mm) are indicated in parentheses

D-Subminiature Backshells Jackscrew Options

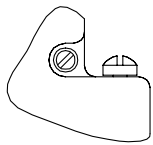
JACKSCREW - STYLE E (END ENTRY)

Type J Knurled Slotted Head

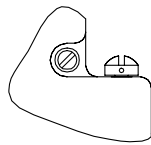
All jackscrews have 4-40 UNC-2A threads to mate with M24308/26 female screwlocks or 559-001 mounting kits. Not applicable for cable-to-cable applications.



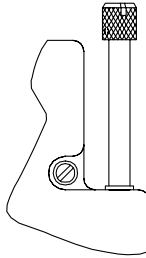
MALE JACKSCREW OPTIONS



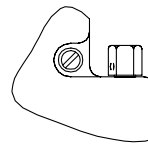
Type B
Fillister Head



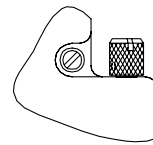
Type D
Drilled
Fillister Head



Type E *
Extended Knurled
Slotted Head



Type H
Hex Head

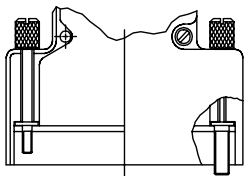


Type K *
Knurled Slotted
Head

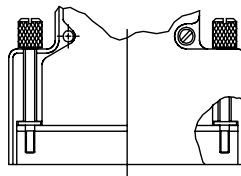
Unless otherwise noted, all jackscrews have 4-40 UNC-2A threads to mate with M24308/26 female screwlocks or 559-001 mounting kits. Not applicable for cable-to-cable applications.

* Not available for Style "E" (end entry backshells).

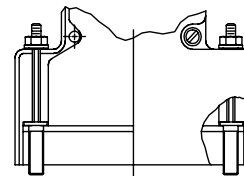
POLARIZING JACKSCREW OPTIONS



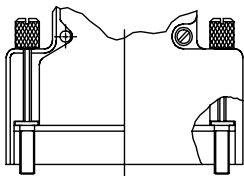
Type F
Turnable Male & Female



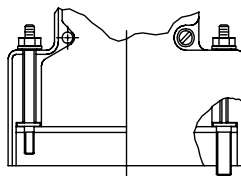
Type M
Turnable Males



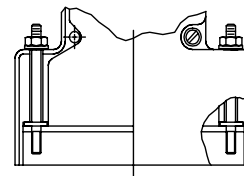
Type P
Fixed Females



Type L
Turnable Females



Type N
Fixed Male & Female



Type R
Fixed Males