

Glenair Connector  
Designator J

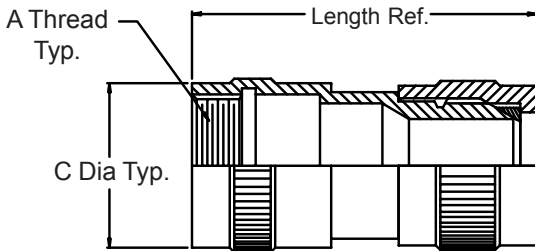
**M81511/14-100**

Basic Part No.

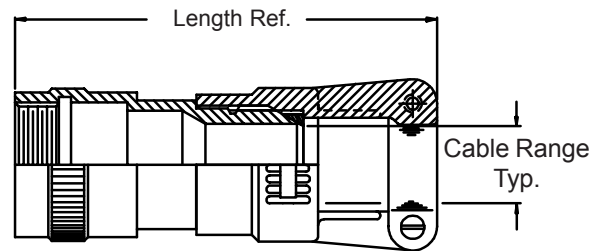
Dash No.

MIL-C-81511

**Inactive for New Design**



Function "C" Adapter Assembly



Function "D" Adapter Assembly

**TABLE I**

Dash No.	Shell Size	Function	A Thread Class 2B	C Dia. Max	Length Ref.	Cable Range	
						Min	Max
057	08	C	.500 - 28 UNEF	.555 (14.1)	1.71 (43.4)	.062 (1.6)	.125 (3.2)
058	08	C	.500 - 28 UNEF	.555 (14.1)	1.71 (43.4)	.125 (3.2)	.250 (6.4)
059	08	D	.500 - 28 UNEF	.555 (14.1)	2.47 (62.7)	.062 (1.6)	.125 (3.2)
060	08	D	.500 - 28 UNEF	.555 (14.1)	2.47 (62.7)	.125 (3.2)	.250 (6.4)
061	08	C	.500 - 28 UNEF	.555 (14.1)	2.21 (56.1)	.062 (1.6)	.125 (3.2)
062	08	C	.500 - 28 UNEF	.555 (14.1)	2.21 (56.1)	.125 (3.2)	.250 (6.4)
063	08	D	.500 - 28 UNEF	.555 (14.1)	2.97 (75.4)	.062 (1.6)	.125 (3.2)
064	08	D	.500 - 28 UNEF	.555 (14.1)	2.97 (75.4)	.125 (3.2)	.250 (6.4)
065	10	C	.625 - 28 UN	.680 (17.3)	1.71 (43.4)	.125 (3.2)	.250 (6.4)
066	10	C	.625 - 28 UN	.680 (17.3)	1.71 (43.4)	.250 (6.4)	.375 (9.5)
067	10	C	.625 - 28 UN	.680 (17.3)	1.71 (43.4)	.375 (9.5)	.500 (12.7)
068	10	D	.625 - 28 UN	.680 (17.3)	2.47 (62.7)	.125 (3.2)	.250 (6.4)
069	10	D	.625 - 28 UN	.680 (17.3)	2.47 (62.7)	.250 (6.4)	.375 (9.5)
070	10	D	.625 - 28 UN	.680 (17.3)	2.47 (62.7)	.375 (9.5)	.500 (12.7)
071	10	C	.625 - 28 UN	.680 (17.3)	2.21 (56.1)	.125 (3.2)	.250 (6.4)
072	10	C	.625 - 28 UN	.680 (17.3)	2.21 (56.1)	.250 (6.4)	.375 (9.5)
073	10	C	.625 - 28 UN	.680 (17.3)	2.21 (56.1)	.375 (9.5)	.500 (12.7)
074	10	D	.625 - 28 UN	.680 (17.3)	2.97 (75.4)	.125 (3.2)	.250 (6.4)
075	10	D	.625 - 28 UN	.680 (17.3)	2.97 (75.4)	.250 (6.4)	.375 (9.5)
076	10	D	.625 - 28 UN	.680 (17.3)	2.97 (75.4)	.375 (9.5)	.500 (12.7)
077	14	C	.875 - 28 UN	.930 (23.6)	1.71 (43.4)	.250 (6.4)	.375 (9.5)
078	14	C	.875 - 28 UN	.930 (23.6)	1.71 (43.4)	.375 (9.5)	.500 (12.7)
079	14	C	.875 - 28 UN	.930 (23.6)	1.71 (43.4)	.500 (12.7)	.625 (15.9)
080	14	D	.875 - 28 UN	.930 (23.6)	2.47 (62.7)	.250 (6.4)	.375 (9.5)
081	14	D	.875 - 28 UN	.930 (23.6)	2.47 (62.7)	.375 (9.5)	.500 (12.7)
082	14	D	.875 - 28 UN	.930 (23.6)	2.47 (62.7)	.500 (12.7)	.625 (15.9)
083	14	C	.875 - 28 UN	.930 (23.6)	2.21 (56.1)	.250 (6.4)	.375 (9.5)
084	14	C	.875 - 28 UN	.930 (23.6)	2.21 (56.1)	.375 (9.5)	.500 (12.7)

Table I Continued on Page 38-3

1. For complete dimensions see applicable Military Specification.
2. Metric dimensions (mm) are indicated in parentheses.
3. For Functions A and B see page 39-6.

# M81511/14 Functions C and D RFI Non-Environmental Backshells



EMI/RFI  
Non-Env.  
Backshells

**TABLE I (Continued From Page 38-2)**

Dash No.	Shell Size	Function	A Thread Class 2B	C Dia. Max	Length Ref.	Cable Range	
						Min	Max
085	14	C	.875 - 28 UN	.930 (23.6)	2.21 (56.1)	.500 (12.7)	.625 (15.9)
086	14	D	.875 - 28 UN	.930 (23.6)	2.97 (75.4)	.250 (6.4)	.375 (9.5)
087	14	D	.875 - 28 UN	.930 (23.6)	2.97 (75.4)	.375 (9.5)	.500 (12.7)
088	14	D	.875 - 28 UN	.930 (23.6)	2.97 (75.4)	.500 (12.7)	.625 (15.9)
089	16	C	1.000 - 28 UN	1.056 (26.8)	1.71 (43.4)	.250 (6.4)	.375 (9.5)
090	16	C	1.000 - 28 UN	1.056 (26.8)	1.71 (43.4)	.375 (9.5)	.500 (12.7)
091	16	C	1.000 - 28 UN	1.056 (26.8)	1.71 (43.4)	.500 (12.7)	.625 (15.9)
092	16	D	1.000 - 28 UN	1.056 (26.8)	2.47 (62.7)	.250 (6.4)	.375 (9.5)
093	16	D	1.000 - 28 UN	1.056 (26.8)	2.47 (62.7)	.375 (9.5)	.500 (12.7)
094	16	D	1.000 - 28 UN	1.056 (26.8)	2.47 (62.7)	.500 (12.7)	.625 (15.9)
095	16	C	1.000 - 28 UN	1.056 (26.8)	2.21 (56.1)	.250 (6.4)	.375 (9.5)
096	16	C	1.000 - 28 UN	1.056 (26.8)	2.21 (56.1)	.375 (9.5)	.500 (12.7)
097	16	C	1.000 - 28 UN	1.056 (26.8)	2.21 (56.1)	.500 (12.7)	.625 (15.9)
098	16	D	1.000 - 28 UN	1.056 (26.8)	2.97 (75.4)	.250 (6.4)	.375 (9.5)
099	16	D	1.000 - 28 UN	1.056 (26.8)	2.97 (75.4)	.375 (9.5)	.500 (12.7)
100	16	D	1.000 - 28 UN	1.056 (26.8)	2.97 (75.4)	.500 (12.7)	.625 (15.9)
101	18	C	1.125 - 28 UN	1.180 (30.0)	1.71 (43.4)	.375 (9.5)	.500 (12.7)
102	18	C	1.125 - 28 UN	1.180 (30.0)	1.71 (43.4)	.500 (12.7)	.625 (15.9)
103	18	C	1.125 - 28 UN	1.180 (30.0)	1.71 (43.4)	.625 (15.9)	.750 (19.1)
104	18	D	1.125 - 28 UN	1.180 (30.0)	2.47 (62.7)	.375 (9.5)	.500 (12.7)
105	18	D	1.125 - 28 UN	1.180 (30.0)	2.47 (62.7)	.500 (12.7)	.625 (15.9)
106	18	D	1.125 - 28 UN	1.180 (30.0)	2.47 (62.7)	.625 (15.9)	.750 (19.1)
107	18	C	1.125 - 28 UN	1.180 (30.0)	2.21 (56.1)	.375 (9.5)	.500 (12.7)
108	18	C	1.125 - 28 UN	1.180 (30.0)	2.21 (56.1)	.500 (12.7)	.625 (15.9)
109	18	C	1.125 - 28 UN	1.180 (30.0)	2.21 (56.1)	.625 (15.9)	.750 (19.1)
110	18	D	1.125 - 28 UN	1.180 (30.0)	2.97 (75.4)	.375 (9.5)	.500 (12.7)
111	18	D	1.125 - 28 UN	1.180 (30.0)	2.97 (75.4)	.500 (12.7)	.625 (15.9)
112	18	D	1.125 - 28 UN	1.180 (30.0)	2.97 (75.4)	.625 (15.9)	.750 (19.1)
149	20	C	1.250 - 28 UN	1.305 (33.1)	1.78 (45.2)	.500 (12.7)	.625 (15.9)
150	20	C	1.250 - 28 UN	1.305 (33.1)	1.78 (45.2)	.625 (15.9)	.750 (19.1)
151	20	C	1.250 - 28 UN	1.305 (33.1)	1.78 (45.2)	.750 (19.1)	.875 (22.2)
152	20	D	1.250 - 28 UN	1.305 (33.1)	2.55 (64.8)	.500 (12.7)	.625 (15.9)
153	20	D	1.250 - 28 UN	1.305 (33.1)	2.55 (64.8)	.625 (15.9)	.750 (19.1)
154	20	D	1.250 - 28 UN	1.305 (33.1)	2.55 (64.8)	.750 (19.1)	.875 (22.2)
155	20	C	1.250 - 28 UN	1.305 (33.1)	2.28 (57.9)	.500 (12.7)	.625 (15.9)
156	20	C	1.250 - 28 UN	1.305 (33.1)	2.28 (57.9)	.625 (15.9)	.750 (19.1)
157	20	C	1.250 - 28 UN	1.305 (33.1)	2.28 (57.9)	.750 (19.1)	.875 (22.2)
158	20	D	1.250 - 28 UN	1.305 (33.1)	3.05 (77.5)	.500 (12.7)	.625 (15.9)
159	20	D	1.250 - 28 UN	1.305 (33.1)	3.05 (77.5)	.625 (15.9)	.750 (19.1)
160	20	D	1.250 - 28 UN	1.305 (33.1)	3.05 (77.5)	.750 (19.1)	.875 (22.2)
161	22	C	1.375 - 28 UN	1.430 (36.3)	1.78 (45.2)	.625 (15.9)	.750 (19.1)
162	22	C	1.375 - 28 UN	1.430 (36.3)	1.78 (45.2)	.750 (19.1)	.875 (22.2)
163	22	C	1.375 - 28 UN	1.430 (36.3)	1.78 (45.2)	.875 (22.2)	1.000 (25.4)
164	22	D	1.375 - 28 UN	1.430 (36.3)	2.55 (64.8)	.625 (15.9)	.750 (19.1)
165	22	D	1.375 - 28 UN	1.430 (36.3)	2.55 (64.8)	.750 (19.1)	.875 (22.2)

*Table I Continued on Page 38-4*

1. For complete dimensions see applicable Military Specification.
2. Metric dimensions (mm) are indicated in parentheses.
3. For Functions A and B see page 39-6.

## M81511/14 Functions C and D RFI Non-Environmental Backshells

**TABLE I (Continued From Page 38-4)**

Dash No.	Shell Size	Function	A Thread Class 2B	C Dia. Max	Length Ref.	Cable Range	
						Min	Max
171	22	D	1.375 - 28 UN	1.430 (36.3)	3.05 (77.5)	.750 (19.1)	.875 (22.2)
172	22	D	1.375 - 28 UN	1.430 (36.3)	3.05 (77.5)	.875 (22.2)	1.000 (25.4)
173	24	C	1.500 - 28 UN	1.555 (39.5)	1.78 (45.2)	.750 (19.1)	.875 (22.2)
174	24	C	1.500 - 28 UN	1.555 (39.5)	1.78 (45.2)	.875 (22.2)	1.000 (25.4)
175	24	C	1.500 - 28 UN	1.555 (39.5)	1.78 (45.2)	1.000 (25.4)	1.125 (28.6)
176	24	D	1.500 - 28 UN	1.555 (39.5)	2.55 (64.8)	.750 (19.1)	.875 (22.2)
177	24	D	1.500 - 28 UN	1.555 (39.5)	2.55 (64.8)	.875 (22.2)	1.000 (25.4)
178	24	D	1.500 - 28 UN	1.555 (39.5)	2.55 (64.8)	1.000 (25.4)	1.125 (28.6)
179	24	C	1.500 - 28 UN	1.555 (39.5)	2.28 (57.9)	.750 (19.1)	.875 (22.2)
180	24	C	1.500 - 28 UN	1.555 (39.5)	2.28 (57.9)	.875 (22.2)	1.000 (25.4)
181	24	C	1.500 - 28 UN	1.555 (39.5)	2.28 (57.9)	1.000 (25.4)	1.125 (28.6)
182	24	D	1.500 - 28 UN	1.555 (39.5)	3.05 (77.5)	.750 (19.1)	.875 (22.2)
183	24	D	1.500 - 28 UN	1.555 (39.5)	3.05 (77.5)	.875 (22.2)	1.000 (25.4)
184	24	D	1.500 - 28 UN	1.555 (39.5)	3.05 (77.5)	1.000 (25.4)	1.125 (28.6)
166	22	D	1.375 - 28 UN	1.430 (36.3)	2.55 (64.8)	.875 (22.2)	1.000 (25.4)
167	22	C	1.375 - 28 UN	1.430 (36.3)	2.28 (57.9)	.625 (15.9)	.750 (19.1)
168	22	C	1.375 - 28 UN	1.430 (36.3)	2.28 (57.9)	.750 (19.1)	.875 (22.2)
169	22	C	1.375 - 28 UN	1.430 (36.3)	2.28 (57.9)	.875 (22.2)	1.000 (25.4)
170	22	D	1.375 - 28 UN	1.430 (36.3)	3.05 (77.5)	.625 (15.9)	.750 (19.1)

1. For complete dimensions see applicable Military Specification.
2. Metric dimensions (mm) are indicated in parentheses.
3. For Functions A and B see page 39-6.