

# AS81511/14

## Straight EMI/RFI Environmental Backshell A & B



AS81511

### CONNECTOR DESIGNATOR:

**J** AS81511 Series I, II, III & IV

Basic  
Part Number

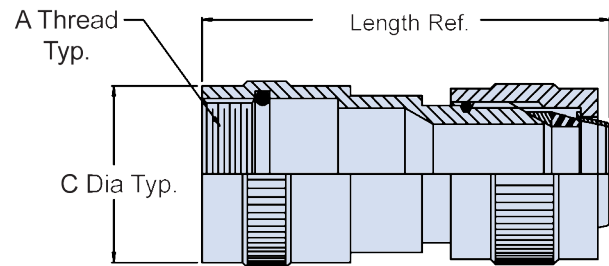
Dash Number  
(Table I)

**M81511/14 - 050**

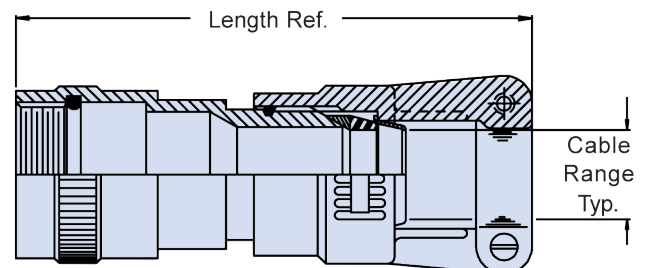
**TABLE I: Dash Number and Dimensions**

| Dash No. | Shell Size | Function | A Thread Class 2B | Length Ref. | Cable Range |             |
|----------|------------|----------|-------------------|-------------|-------------|-------------|
|          |            |          |                   |             | Min         | Max         |
| 001      | 08         | A        | .500 - 28 UNEF    | 2.22 (56.4) | .062 (1.6)  | .125 (3.2)  |
| 002      | 08         | A        | .500 - 28 UNEF    | 2.22 (56.4) | .125 (3.2)  | .250 (6.4)  |
| 003      | 08         | B        | .500 - 28 UNEF    | 2.72 (69.1) | .062 (1.6)  | .125 (3.2)  |
| 004      | 08         | B        | .500 - 28 UNEF    | 2.72 (69.1) | .125 (3.2)  | .250 (6.4)  |
| 005      | 08         | A        | .500 - 28 UNEF    | 2.72 (69.1) | .062 (1.6)  | .125 (3.2)  |
| 006      | 08         | A        | .500 - 28 UNEF    | 2.72 (69.1) | .125 (3.2)  | .250 (6.4)  |
| 007      | 08         | B        | .500 - 28 UNEF    | 3.22 (81.8) | .062 (1.6)  | .125 (3.2)  |
| 008      | 08         | B        | .500 - 28 UNEF    | 3.22 (81.8) | .125 (3.2)  | .250 (6.4)  |
| 009      | 10         | A        | .625 - 28 UN      | 2.22 (56.4) | .125 (3.2)  | .250 (6.4)  |
| 010      | 10         | A        | .625 - 28 UN      | 2.22 (56.4) | .250 (6.4)  | .375 (9.5)  |
| 011      | 10         | A        | .625 - 28 UN      | 2.22 (56.4) | .375 (9.5)  | .500 (12.7) |
| 012      | 10         | B        | .625 - 28 UN      | 2.72 (69.1) | .125 (3.2)  | .250 (6.4)  |
| 013      | 10         | B        | .625 - 28 UN      | 2.72 (69.1) | .250 (6.4)  | .375 (9.5)  |
| 014      | 10         | B        | .625 - 28 UN      | 2.72 (69.1) | .375 (9.5)  | .500 (12.7) |
| 015      | 10         | A        | .625 - 28 UN      | 2.72 (69.1) | .125 (3.2)  | .250 (6.4)  |
| 016      | 10         | A        | .625 - 28 UN      | 2.72 (69.1) | .250 (6.4)  | .375 (9.5)  |
| 017      | 10         | A        | .625 - 28 UN      | 2.72 (69.1) | .375 (9.5)  | .500 (12.7) |
| 018      | 10         | B        | .625 - 28 UN      | 3.22 (81.8) | .125 (3.2)  | .250 (6.4)  |
| 019      | 10         | B        | .625 - 28 UN      | 3.22 (81.8) | .250 (6.4)  | .375 (9.5)  |
| 020      | 10         | B        | .625 - 28 UN      | 3.22 (81.8) | .375 (9.5)  | .500 (12.7) |
| 021      | 14         | A        | .875 - 28 UN      | 2.22 (56.4) | .250 (6.4)  | .375 (9.5)  |
| 022      | 14         | A        | .875 - 28 UN      | 2.22 (56.4) | .375 (9.5)  | .500 (12.7) |
| 023      | 14         | A        | .875 - 28 UN      | 2.22 (56.4) | .500 (12.7) | .625 (15.9) |
| 024      | 14         | B        | .875 - 28 UN      | 2.72 (69.1) | .250 (6.4)  | .375 (9.5)  |
| 025      | 14         | B        | .875 - 28 UN      | 2.72 (69.1) | .375 (9.5)  | .500 (12.7) |
| 026      | 14         | B        | .875 - 28 UN      | 2.72 (69.1) | .500 (12.7) | .625 (15.9) |
| 027      | 14         | A        | .875 - 28 UN      | 2.72 (69.1) | .250 (6.4)  | .375 (9.5)  |
| 028      | 14         | A        | .875 - 28 UN      | 2.72 (69.1) | .375 (9.5)  | .500 (12.7) |
| 029      | 14         | A        | .875 - 28 UN      | 2.72 (69.1) | .500 (12.7) | .625 (15.9) |
| 030      | 14         | B        | .875 - 28 UN      | 3.22 (81.8) | .250 (6.4)  | .375 (9.5)  |
| 031      | 14         | B        | .875 - 28 UN      | 3.22 (81.8) | .375 (9.5)  | .500 (12.7) |
| 032      | 14         | B        | .875 - 28 UN      | 3.22 (81.8) | .500 (12.7) | .625 (15.9) |
| 033      | 16         | A        | 1.000 - 28 UN     | 2.22 (56.4) | .250 (6.4)  | .375 (9.5)  |
| 034      | 16         | A        | 1.000 - 28 UN     | 2.22 (56.4) | .375 (9.5)  | .500 (12.7) |
| 035      | 16         | A        | 1.000 - 28 UN     | 2.22 (56.4) | .500 (12.7) | .625 (15.9) |
| 036      | 16         | B        | 1.000 - 28 UN     | 2.72 (69.1) | .250 (6.4)  | .375 (9.5)  |
| 037      | 16         | B        | 1.000 - 28 UN     | 2.72 (69.1) | .375 (9.5)  | .500 (12.7) |

Table I Continued on Page F-4



**Function "A" Adapter Assembly**



**Function "B" Adapter Assembly**

### APPLICATION NOTES

1. For complete dimensions see the applicable Military Specification.
2. Metric dimensions (mm) are in parentheses.
3. Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
4. For functions C and D see page F-5.

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

© 2013 Glenair, Inc.

U.S. CAGE Code 06324

Printed in U.S.A.

**GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912**  
**www.glenair.com F-3 E-Mail: sales@glenair.com**



# AS81511/14

## Straight EMI/RFI Environmental Backshell A & B

TABLE I: Dash Number and Dimensions (Continued from Page F-3)

| Dash No. | Shell Size | Function | A Thread Class 2B | C Dia Max    | Length Ref. | Cable Range Min | Cable Range Max |
|----------|------------|----------|-------------------|--------------|-------------|-----------------|-----------------|
| 038      | 16         | B        | 1.000 - 28 UN     | 1.056 (26.8) | 2.72 (69.1) | .500 (12.7)     | .625 (15.9)     |
| 039      | 16         | A        | 1.000 - 28 UN     | 1.056 (26.8) | 2.72 (69.1) | .250 (6.4)      | .375 (9.5)      |
| 040      | 16         | A        | 1.000 - 28 UN     | 1.056 (26.8) | 2.72 (69.1) | .375 (9.5)      | .500 (12.7)     |
| 041      | 16         | A        | 1.000 - 28 UN     | 1.056 (26.8) | 2.72 (69.1) | .500 (12.7)     | .625 (15.9)     |
| 042      | 16         | B        | 1.000 - 28 UN     | 1.056 (26.8) | 3.22 (81.8) | .250 (6.4)      | .375 (9.5)      |
| 043      | 16         | B        | 1.000 - 28 UN     | 1.056 (26.8) | 3.22 (81.8) | .375 (9.5)      | .500 (12.7)     |
| 044      | 16         | B        | 1.000 - 28 UN     | 1.056 (26.8) | 3.22 (81.8) | .500 (12.7)     | .625 (15.9)     |
| 045      | 18         | A        | 1.125 - 28 UN     | 1.180 (30.0) | 2.22 (56.4) | .375 (9.5)      | .500 (12.7)     |
| 046      | 18         | A        | 1.125 - 28 UN     | 1.180 (30.0) | 2.22 (56.4) | .500 (12.7)     | .625 (15.9)     |
| 047      | 18         | A        | 1.125 - 28 UN     | 1.180 (30.0) | 2.22 (56.4) | .625 (15.9)     | .750 (19.1)     |
| 048      | 18         | B        | 1.125 - 28 UN     | 1.180 (30.0) | 2.72 (69.1) | .375 (9.5)      | .500 (12.7)     |
| 049      | 18         | B        | 1.125 - 28 UN     | 1.180 (30.0) | 2.72 (69.1) | .500 (12.7)     | .625 (15.9)     |
| 050      | 18         | B        | 1.125 - 28 UN     | 1.180 (30.0) | 2.72 (69.1) | .625 (15.9)     | .750 (19.1)     |
| 051      | 18         | A        | 1.125 - 28 UN     | 1.180 (30.0) | 2.72 (69.1) | .375 (9.5)      | .500 (12.7)     |
| 052      | 18         | A        | 1.125 - 28 UN     | 1.180 (30.0) | 2.72 (69.1) | .500 (12.7)     | .625 (15.9)     |
| 053      | 18         | A        | 1.125 - 28 UN     | 1.180 (30.0) | 2.72 (69.1) | .625 (15.9)     | .750 (19.1)     |
| 054      | 18         | B        | 1.125 - 28 UN     | 1.180 (30.0) | 3.22 (81.8) | .375 (9.5)      | .500 (12.7)     |
| 055      | 18         | B        | 1.125 - 28 UN     | 1.180 (30.0) | 3.22 (81.8) | .500 (12.7)     | .625 (15.9)     |
| 056      | 18         | B        | 1.125 - 28 UN     | 1.180 (30.0) | 3.22 (81.8) | .625 (15.9)     | .750 (19.1)     |
| 113      | 20         | A        | 1.250 - 28 UN     | 1.305 (33.1) | 2.30 (58.4) | .500 (12.7)     | .625 (15.9)     |
| 114      | 20         | A        | 1.250 - 28 UN     | 1.305 (33.1) | 2.30 (58.4) | .625 (15.9)     | .750 (19.1)     |
| 115      | 20         | A        | 1.250 - 28 UN     | 1.305 (33.1) | 2.30 (58.4) | .750 (19.1)     | .875 (22.2)     |
| 116      | 20         | B        | 1.250 - 28 UN     | 1.305 (33.1) | 2.80 (71.1) | .500 (12.7)     | .625 (15.9)     |
| 117      | 20         | B        | 1.250 - 28 UN     | 1.305 (33.1) | 2.80 (71.1) | .625 (15.9)     | .750 (19.1)     |
| 118      | 20         | B        | 1.250 - 28 UN     | 1.305 (33.1) | 2.80 (71.1) | .750 (19.1)     | .875 (22.2)     |
| 119      | 20         | A        | 1.250 - 28 UN     | 1.305 (33.1) | 2.80 (71.1) | .500 (12.7)     | .625 (15.9)     |
| 120      | 20         | A        | 1.250 - 28 UN     | 1.305 (33.1) | 2.80 (71.1) | .625 (15.9)     | .750 (19.1)     |
| 121      | 20         | A        | 1.250 - 28 UN     | 1.305 (33.1) | 2.80 (71.1) | .750 (19.1)     | .875 (22.2)     |
| 122      | 20         | B        | 1.250 - 28 UN     | 1.305 (33.1) | 3.30 (83.8) | .500 (12.7)     | .625 (15.9)     |
| 123      | 20         | B        | 1.250 - 28 UN     | 1.305 (33.1) | 3.30 (83.8) | .625 (15.9)     | .750 (19.1)     |
| 124      | 20         | B        | 1.250 - 28 UN     | 1.305 (33.1) | 3.30 (83.8) | .750 (19.1)     | .875 (22.2)     |
| 125      | 22         | A        | 1.375 - 28 UN     | 1.430 (36.3) | 2.30 (58.4) | .625 (15.9)     | .750 (19.1)     |
| 126      | 22         | A        | 1.375 - 28 UN     | 1.430 (36.3) | 2.30 (58.4) | .750 (19.1)     | .875 (22.2)     |
| 127      | 22         | A        | 1.375 - 28 UN     | 1.430 (36.3) | 2.30 (58.4) | .875 (22.2)     | 1.000 (25.4)    |
| 128      | 22         | B        | 1.375 - 28 UN     | 1.430 (36.3) | 2.80 (71.1) | .625 (15.9)     | .750 (19.1)     |
| 129      | 22         | B        | 1.375 - 28 UN     | 1.430 (36.3) | 2.80 (71.1) | .750 (19.1)     | .875 (22.2)     |
| 130      | 22         | B        | 1.375 - 28 UN     | 1.430 (36.3) | 2.80 (71.1) | .875 (22.2)     | 1.000 (25.4)    |
| 131      | 22         | A        | 1.375 - 28 UN     | 1.430 (36.3) | 2.80 (71.1) | .625 (15.9)     | .750 (19.1)     |
| 132      | 22         | A        | 1.375 - 28 UN     | 1.430 (36.3) | 2.80 (71.1) | .750 (19.1)     | .875 (22.2)     |
| 133      | 22         | A        | 1.375 - 28 UN     | 1.430 (36.3) | 2.80 (71.1) | .875 (22.2)     | 1.000 (25.4)    |
| 134      | 22         | B        | 1.375 - 28 UN     | 1.430 (36.3) | 3.30 (83.8) | .625 (15.9)     | .750 (19.1)     |
| 135      | 22         | B        | 1.375 - 28 UN     | 1.430 (36.3) | 3.30 (83.8) | .750 (19.1)     | .875 (22.2)     |
| 136      | 22         | B        | 1.375 - 28 UN     | 1.430 (36.3) | 3.30 (83.8) | .875 (22.2)     | 1.000 (25.4)    |
| 137      | 24         | A        | 1.500 - 28 UN     | 1.555 (39.5) | 2.30 (58.4) | .750 (19.1)     | .875 (22.2)     |
| 138      | 24         | A        | 1.500 - 28 UN     | 1.555 (39.5) | 2.30 (58.4) | .875 (22.2)     | 1.000 (25.4)    |
| 139      | 24         | A        | 1.500 - 28 UN     | 1.555 (39.5) | 2.30 (58.4) | 1.000 (25.4)    | 1.125 (28.6)    |
| 140      | 24         | B        | 1.500 - 28 UN     | 1.555 (39.5) | 2.80 (71.1) | .750 (19.1)     | .875 (22.2)     |
| 141      | 24         | B        | 1.500 - 28 UN     | 1.555 (39.5) | 2.80 (71.1) | .875 (22.2)     | 1.000 (25.4)    |
| 142      | 24         | B        | 1.500 - 28 UN     | 1.555 (39.5) | 2.80 (71.1) | 1.000 (25.4)    | 1.125 (28.6)    |
| 143      | 24         | A        | 1.500 - 28 UN     | 1.555 (39.5) | 2.80 (71.1) | .750 (19.1)     | .875 (22.2)     |
| 144      | 24         | A        | 1.500 - 28 UN     | 1.555 (39.5) | 2.80 (71.1) | .875 (22.2)     | 1.000 (25.4)    |
| 145      | 24         | A        | 1.500 - 28 UN     | 1.555 (39.5) | 2.80 (71.1) | 1.000 (25.4)    | 1.125 (28.6)    |
| 146      | 24         | B        | 1.500 - 28 UN     | 1.555 (39.5) | 3.30 (83.8) | .750 (19.1)     | .875 (22.2)     |
| 147      | 24         | B        | 1.500 - 28 UN     | 1.555 (39.5) | 3.30 (83.8) | .875 (22.2)     | 1.000 (25.4)    |
| 148      | 24         | B        | 1.500 - 28 UN     | 1.555 (39.5) | 3.30 (83.8) | 1.000 (25.4)    | 1.125 (28.6)    |

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



**Стандарт  
Электрон  
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

**Наши контакты:**

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331