

# 311-002

## Lamp-Base Thread EMI/RFI Shrink Boot Adapter with Strain Relief and Optional Shrink Boot Direct Coupling - Low Profile

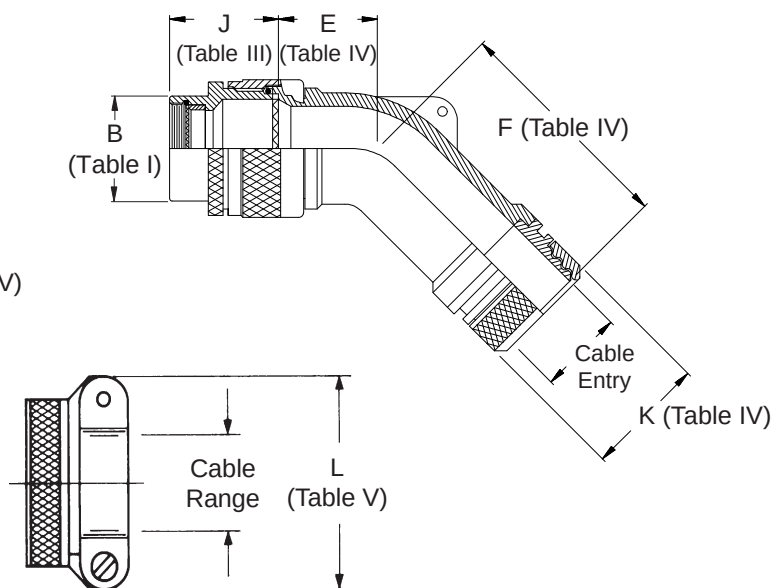
### CONNECTOR DESIGNATORS

## A-B\*-C-D-E-F

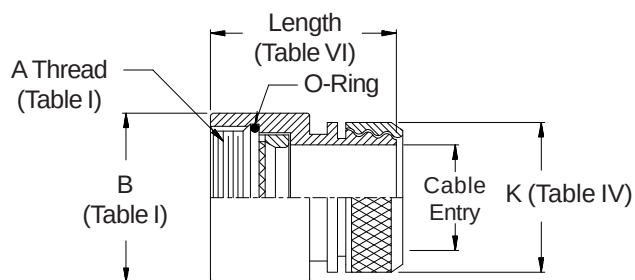
## G-H-J-K-L-S

\* Conn. Desig. B See Note 5

### DIRECT COUPLING



**STYLE E  
STRAIN RELIEF**



**STYLE 1**



**STYLE 2  
(STRAIGHT  
See Note 4)**

**TABLE II - STANDARD FINISHES**

| GLENAIR                                                                             |                                                   |
|-------------------------------------------------------------------------------------|---------------------------------------------------|
| SYMBOL                                                                              | FINISH                                            |
| B                                                                                   | Cadmium Plate, Olive Drab                         |
| M                                                                                   | Electroless Nickel                                |
| NF                                                                                  | Cadmium Plate, Olive Drab Over Electroless Nickel |
| See Inside Back Cover for Complete Finish Information and Additional Finish Options |                                                   |

# 311-002

## Lamp-Base Thread EMI/RFI Shrink Boot Adapter

### with Strain Relief and Optional Shrink Boot

### Direct Coupling - Low Profile



311

See inside back cover fold-out  
or pages 13 and 14  
for unabridged Tables I and II.

1. Cable Entry or range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
2. See Shrink Boot Reference Information (page 40).
3. Metric dimensions (mm) are indicated in parentheses.
4. When maximum entry (page 21) is exceeded, Style 2 will be supplied. (Function S only)
5. When using Connector Designator B refer to pages 18 and 19 for part number development.

TABLE III: FRONT ADAPTER

| Shell Size | J Max - Conn. Designator |              |              |
|------------|--------------------------|--------------|--------------|
|            | A-E-F<br>J-H-L-S         | D-B-G-K      | C            |
| 08/09      | 1.180 (30.0)             | 1.250 (31.8) |              |
| 10/11      | 1.180 (30.0)             | 1.250 (31.8) |              |
| 12/13      | 1.180 (30.0)             | 1.250 (31.8) | 1.735 (44.1) |
| 14/15      | 1.180 (30.0)             | 1.250 (31.8) | 1.915 (48.6) |
| 16/17      | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 18/19      | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 20/21      | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 22/23      | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 24/25      | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 28/29      | 1.610 (40.9)             | 1.560 (39.6) | 1.915 (48.6) |
| 32/33      | 1.610 (40.9)             | 1.750 (44.5) | 1.915 (48.6) |
| 36         | 1.610 (40.9)             | 1.750 (44.5) | 1.915 (48.6) |
| 40         | 1.610 (40.9)             | 2.190 (55.6) | 1.915 (48.6) |

TABLE IV: CABLE ENTRY/DIMENSIONS

| Dash No. | E Max        | F Max        | G Max        | H Max        | K Max        | Cable Entry Max | Shrink Boot |
|----------|--------------|--------------|--------------|--------------|--------------|-----------------|-------------|
| 01       | .457 (11.6)  | 1.630 (41.4) | .500 (12.7)  | 1.640 (41.7) | .448 (11.4)  | .125 (3.2)      | n/a         |
| 02       | .457 (11.6)  | 1.630 (41.4) | .500 (12.7)  | 1.640 (41.7) | .515 (13.1)  | .250 (6.4)      | 770-001S103 |
| 03       | .520 (13.2)  | 1.690 (42.9) | .595 (15.1)  | 1.760 (44.7) | .640 (16.3)  | .375 (9.5)      | 770-001S103 |
| 04       | .582 (14.8)  | 1.750 (44.5) | .610 (15.5)  | 1.780 (45.2) | .765 (19.4)  | .500 (12.7)     | 770-001S104 |
| 05       | .645 (16.4)  | 1.840 (46.7) | .700 (17.8)  | 1.850 (47.0) | .920 (23.4)  | .625 (15.9)     | 770-001S104 |
| 06       | .738 (18.7)  | 1.950 (49.5) | .885 (22.5)  | 1.940 (49.3) | 1.015 (25.8) | .750 (19.1)     | 770-001S105 |
| 07       | .926 (23.5)  | 2.140 (54.4) | .975 (24.8)  | 2.110 (53.6) | 1.140 (29.0) | .875 (22.2)     | 770-001S106 |
| 08       | .926 (23.5)  | 2.290 (58.2) | .975 (24.8)  | 2.220 (56.4) | 1.265 (32.1) | 1.000 (25.4)    | 770-001S106 |
| 09       | 1.020 (25.9) | 2.290 (58.2) | 1.125 (28.6) | 2.220 (56.4) | 1.432 (36.4) | 1.125 (28.6)    | 770-001S107 |
| 10       | 1.020 (25.9) | 2.290 (58.2) | 1.125 (28.6) | 2.220 (56.4) | 1.515 (38.5) | 1.250 (31.8)    | 770-001S107 |
| 11       | 1.145 (29.1) | 2.340 (59.4) | 1.225 (31.1) | 2.390 (60.7) | 1.640 (41.7) | 1.375 (34.9)    | 770-001S108 |
| 12       | 1.207 (30.7) | 2.440 (62.0) | 1.575 (40.0) | 2.640 (67.1) | 1.765 (44.8) | 1.500 (38.1)    | 770-001S108 |
| 13       | 1.238 (31.4) | 2.530 (64.3) | 1.775 (45.1) | 2.640 (67.1) | 2.015 (51.2) | 1.750 (44.5)    | 770-001S108 |

TABLE V: CABLE ENTRY/DIMENSIONS

| Dash No. | L Max        | Cable Range  |              |
|----------|--------------|--------------|--------------|
|          |              | Min          | Max          |
| 02       | .968 (24.6)  | .125 (3.2)   | .250 (6.4)   |
| 03       | 1.046 (26.6) | .250 (6.4)   | .375 (9.5)   |
| 04       | 1.156 (29.4) | .312 (7.9)   | .500 (12.7)  |
| 05       | 1.219 (31.0) | .437 (11.1)  | .625 (15.9)  |
| 06       | 1.343 (34.1) | .562 (14.3)  | .750 (19.1)  |
| 07       | 1.469 (37.3) | .687 (17.4)  | .875 (22.2)  |
| 08       | 1.594 (40.5) | .812 (20.6)  | 1.000 (25.4) |
| 09       | 1.719 (43.7) | .937 (23.8)  | 1.125 (28.6) |
| 10       | 1.844 (46.8) | 1.062 (27.0) | 1.250 (31.8) |

TABLE VI: LENGTH

| Conn. Design. | Length (Max) |              |
|---------------|--------------|--------------|
|               | Style 1      | Style 2      |
| A             | 1.750 (44.5) | 2.000 (50.8) |
| B             | 1.630 (41.4) | 1.880 (47.8) |
| C             | 2.130 (54.1) | 2.380 (60.5) |
| D             | 1.630 (41.4) | 1.880 (47.8) |
| E             | 1.250 (31.8) | 1.500 (38.1) |
| F             | 1.250 (31.8) | 1.500 (38.1) |
| G             | 1.750 (44.5) | 2.000 (50.8) |
| H             | 1.750 (44.5) | 2.000 (50.8) |
| J             | 1.250 (31.8) | 1.500 (38.1) |
| K             | 2.130 (54.1) | 2.380 (60.5) |
| L             | 1.380 (35.1) | 1.630 (41.4) |
| S             | 1.750 (44.5) | 2.000 (50.8) |