

# M28840/6 EMI/RFI ENVIRONMENTAL BACKSHELL

| M28840/6                               | 16          | W                                                                                                                                                              | A                                                  |
|----------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| DESIGNATION                            | DASH #      | MATERIAL & FINISH                                                                                                                                              | BACKSHELL STYLE                                    |
| QPL: M28840/6<br>Commercial: IN28840/6 | See Table A | W: Aluminum, Cadmium Plate, O.D. over Electroless Nickel<br>S: Aluminum -Zinc Nickel, Non-Reflective<br>L: Aluminum-Tin-Zinc, Non-Reflective (Commercial only) | A: EMI, Non-Environmental<br>B: EMI, Environmental |

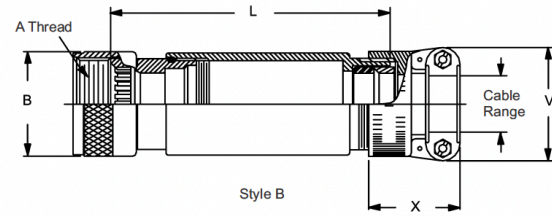
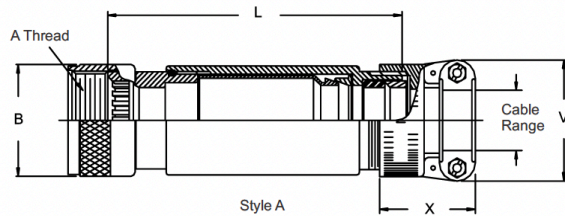


TABLE A

| DASH # | Military Shell Size | Shell Size | A Thread Class 2B | B Ø Max.      | C Ø Max.      | D Ø Min.      | Cable Entry   |               |
|--------|---------------------|------------|-------------------|---------------|---------------|---------------|---------------|---------------|
|        |                     |            |                   |               |               |               | Max.          | Min.          |
| 01     | A                   | 11         | .750-20 UNEF      | (1.028) 26.11 | (1.156) 29.36 | (.750) 19.05  | (.312) 7.92   | (.188) 4.77   |
| 02     | B                   | 13         | .875-20 UNEF      | (1.141) 28.98 | (1.156) 29.36 | (.750) 19.05  | (.312) 7.92   | (.188) 4.77   |
| 03     | B                   | 13         | .875-20 UNEF      | (1.141) 28.98 | (1.156) 29.36 | (.750) 19.05  | (.438) 11.12  | (.281) 7.14   |
| 04     | C                   | 15         | 1.000-20 UNEF     | (1.263) 32.08 | (1.281) 32.54 | (.875) 22.23  | (.312) 7.92   | (.188) 4.77   |
| 05     | C                   | 15         | 1.000-20 UNEF     | (1.263) 32.08 | (1.281) 32.54 | (.875) 22.23  | (.438) 11.12  | (.281) 7.14   |
| 06     | C                   | 15         | 1.000-20 UNEF     | (1.263) 32.08 | (1.281) 32.54 | (.875) 22.23  | (.562) 14.27  | (.344) 8.74   |
| 07     | C                   | 15         | 1.000-20 UNEF     | (1.263) 32.08 | (1.406) 35.71 | (1.000) 25.40 | (.750) 19.05  | (.438) 11.12  |
| 08     | D                   | 17         | 1.125-18 UNEF     | (1.387) 35.23 | (1.406) 35.71 | (1.000) 25.40 | (.625) 15.87  | (.375) 9.52   |
| 09     | D                   | 17         | 1.125-18 UNEF     | (1.387) 35.23 | (1.406) 35.71 | (1.000) 25.40 | (.750) 19.05  | (.438) 11.12  |
| 10     | D                   | 17         | 1.125-18 UNEF     | (1.387) 35.23 | (1.531) 38.89 | (1.125) 28.58 | (.938) 23.82  | (.625) 15.87  |
| 11     | E                   | 19         | 1.250-18 UNEF     | (1.513) 38.43 | (1.531) 38.89 | (1.125) 28.58 | (.625) 15.87  | (.375) 9.52   |
| 12     | E                   | 19         | 1.250-18 UNEF     | (1.513) 38.43 | (1.531) 38.89 | (1.125) 28.58 | (.938) 23.82  | (.625) 15.87  |
| 13     | E                   | 19         | 1.438-18 UNEF     | (1.703) 45.51 | (1.656) 42.06 | (1.250) 31.75 | (.750) 19.05  | (.438) 11.12  |
| 14     | F                   | 23         | 1.438-18 UNEF     | (1.703) 45.51 | (1.656) 42.06 | (1.250) 31.75 | (.938) 23.82  | (.625) 15.87  |
| 15     | F                   | 23         | 1.438-18 UNEF     | (1.703) 45.51 | (1.781) 45.24 | (1.375) 34.93 | (1.188) 30.17 | (.812) 20.62  |
| 16     | F                   | 23         | 1.562-18 UNEF     | (1.825) 46.35 | (1.781) 45.24 | (1.375) 34.93 | (.938) 23.82  | (.625) 15.87  |
| 17     | G                   | 25         | 1.562-18 UNEF     | (1.825) 46.35 | (1.781) 45.24 | (1.375) 34.93 | (1.188) 30.17 | (.812) 20.62  |
| 18     | G                   | 25         | 1.562-18 UNEF     | (1.825) 46.35 | (1.781) 45.24 | (1.375) 34.93 | (1.250) 31.75 | (.875) 22.23  |
| 19     | G                   | 25         | 1.562-18 UNEF     | (1.825) 46.35 | (2.156) 54.76 | (1.750) 44.45 | (1.380) 35.05 | (1.000) 25.4  |
| 20     | G                   | 25         | 1.875-16 UNS      | (2.143) 54.43 | (2.156) 54.76 | (1.750) 44.45 | (1.188) 30.17 | (.812) 20.62  |
| 21     | H                   | 29         | 1.875-16 UNS      | (2.143) 54.43 | (2.156) 54.76 | (1.750) 44.45 | (1.380) 35.05 | (1.000) 25.4  |
| 22     | H                   | 29         | 2.062-16 UNS      | (2.329) 59.16 | (2.281) 57.94 | (1.875) 47.63 | (1.380) 35.05 | (1.000) 25.4  |
| 23     | J                   | 33         | 2.062-16 UNS      | 2.329 59.16   | (2.281) 57.94 | (1.875) 47.63 | (1.625) 41.28 | (1.250) 31.75 |
| 24     | J                   | 33         | .750-20 UNEF      | (1.028) 26.11 | (1.156) 29.36 | (.750) 19.05  | (.438) 11.12  | (.281) 7.14   |
| 25     | A                   | 11         | .750-20 UNEF      | (1.028) 26.11 | (1.281) 32.54 | (.875) 22.22  | (.562) 14.27  | (.344) 8.74   |
| 26     | B                   | 13         | .875-30 UNEF      | (1.141) 28.98 | (1.281) 32.54 | (.875) 22.22  | (.562) 14.27  | (.344) 8.74   |
| 27     | B                   | 13         | .875-30 UNEF      | (1.141) 28.98 | (1.406) 35.71 | (1.000) 25.4  | (.625) 15.87  | (.375) 9.52   |
| 28     | C                   | 15         | 1.000-20 UNEF     | (1.263) 32.08 | (1.406) 35.71 | (1.000) 25.4  | (.625) 15.87  | (.375) 9.52   |

\* Dimensions in (inches) mm

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| DASH # | TABLE A             |            |               |                   |                  |               |               |
|--------|---------------------|------------|---------------|-------------------|------------------|---------------|---------------|
|        | Military Shell Size | Shell Size | L             | Working Room Ref. | V Thread Class 2 | X Ø Max.      | Y Ref.        |
| 01     | A                   | 11         | (3.62) 91.55  | (2.00) 50.80      | .625-24 UNEF     | (1.281) 32.53 | (.938) 23.82  |
| 02     | B                   | 13         | (3.62) 91.55  | (2.00) 50.80      | .625-24 UNEF     | (1.281) 32.53 | (.938) 23.82  |
| 03     | B                   | 13         | (3.62) 91.55  | (2.00) 50.80      | .750-20 UNEF     | (1.281) 32.53 | (1.125) 23.82 |
| 04     | C                   | 15         | (3.62) 91.55  | (2.00) 50.80      | .625-24 UNEF     | (1.281) 32.53 | (.938) 23.82  |
| 05     | C                   | 15         | (3.62) 91.55  | (2.00) 50.80      | .750-20 UNEF     | (1.281) 32.53 | (1.125) 28.57 |
| 06     | C                   | 15         | (3.62) 91.55  | (2.00) 50.80      | .875-20 UNEF     | (1.281) 32.53 | (1.312) 33.32 |
| 07     | C                   | 15         | (4.12) 104.65 | (2.50) 63.50      | 1.188-18 UNEF    | (1.312) 33.32 | (1.593) 40.62 |
| 08     | D                   | 17         | (4.12) 104.65 | (2.50) 63.50      | 1.000-20 UNEF    | (1.281) 32.54 | (1.312) 33.32 |
| 09     | D                   | 17         | (4.12) 104.65 | (2.50) 63.50      | 1.188-19 UNEF    | (1.312) 33.32 | (1.593) 40.62 |
| 10     | D                   | 17         | (4.12) 104.65 | (2.50) 63.50      | 1.438-18 UNEF    | (1.406) 35.71 | (1.750) 44.45 |
| 11     | E                   | 19         | (4.12) 104.65 | (2.50) 63.50      | 1.000-20 UNEF    | (1.281) 32.54 | (1.312) 33.32 |
| 12     | E                   | 19         | (4.12) 104.65 | (2.50) 63.50      | 1.438-18 UNEF    | (1.406) 35.71 | (1.750) 44.45 |
| 13     | E                   | 19         | (4.62) 117.35 | (3.00) 76.20      | 1.188-18 UNEF    | (1.312) 33.32 | (1.593) 40.62 |
| 14     | F                   | 23         | (4.62) 117.35 | (3.00) 76.20      | 1.438-18 UNEF    | (1.406) 35.71 | (1.750) 44.45 |
| 15     | F                   | 23         | (4.62) 117.35 | (3.00) 76.20      | 1.750-18 UNS     | (1.593) 40.46 | (2.093) 53.16 |
| 16     | F                   | 23         | (4.62) 117.35 | (3.00) 76.20      | 1.438-18 UNEF    | (1.406) 35.71 | (1.750) 44.45 |
| 17     | G                   | 25         | (5.12) 130.05 | (3.50) 88.90      | 1.750-18 UNS     | (1.593) 40.46 | (2.093) 53.16 |
| 18     | G                   | 25         | (5.12) 130.05 | (3.50) 88.90      | 1.750-18 UNS     | (1.593) 40.46 | (2.093) 53.16 |
| 19     | G                   | 25         | (5.12) 130.05 | (3.50) 88.90      | 2.000-18 UNS     | (1.625) 41.28 | (2.343) 59.51 |
| 20     | G                   | 25         | (5.12) 130.05 | (3.50) 88.90      | 1.750-18 UNS     | (1.593) 40.46 | (2.093) 53.16 |
| 21     | H                   | 29         | (5.12) 130.05 | (3.50) 88.90      | 2.000-18 UNS     | (1.625) 41.28 | (2.343) 59.51 |
| 22     | H                   | 29         | (5.12) 130.05 | (3.50) 88.90      | 2.000-18 UNS     | (1.625) 41.28 | (2.343) 59.51 |
| 23     | J                   | 33         | (5.12) 130.05 | (3.50) 88.90      | 2.250-16 UNS     | (1.900) 48.26 | (2.750) 69.85 |
| 24     | J                   | 33         | (3.62) 91.95  | (2.00) 50.80      | .750-20 UNEF     | (1.281) 32.54 | (1.125) 28.57 |
| 25     | A                   | 11         | (3.62) 91.95  | (2.00) 50.80      | .875-20 UNEF     | (1.281) 32.54 | (1.312) 33.32 |
| 26     | B                   | 13         | (3.62) 91.95  | (2.00) 50.80      | .875-20 UNEF     | (1.281) 32.54 | (1.312) 33.32 |
| 27     | B                   | 13         | (4.12) 104.65 | (2.50) 63.50      | 1.000-20 UNEF    | (1.281) 32.54 | (1.312) 33.32 |
| 28     | C                   | 15         | (4.12) 104.65 | (2.50) 63.50      | 1.000-20 UNEF    | (1.281) 32.54 | (1.312) 33.32 |

\* Dimensions in (inches) mm