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AS85049™/10

FEDERAL SUPPLY CLASS  
5935

#### RATIONALE

REVISION IS REQUIRED TO MODIFY DRAWINGS TO SHOW ALL STYLE 2 DIMENSIONS AND IMPROVE QUALITY, TO CLARIFY USAGE RESTRICTIONS, TO ADD AS95234 CONNECTORS TO THE TITLE, AND TO UPDATE DOCUMENT FORMAT/DETAILS TO LATEST SAE GUIDELINES.

#### NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

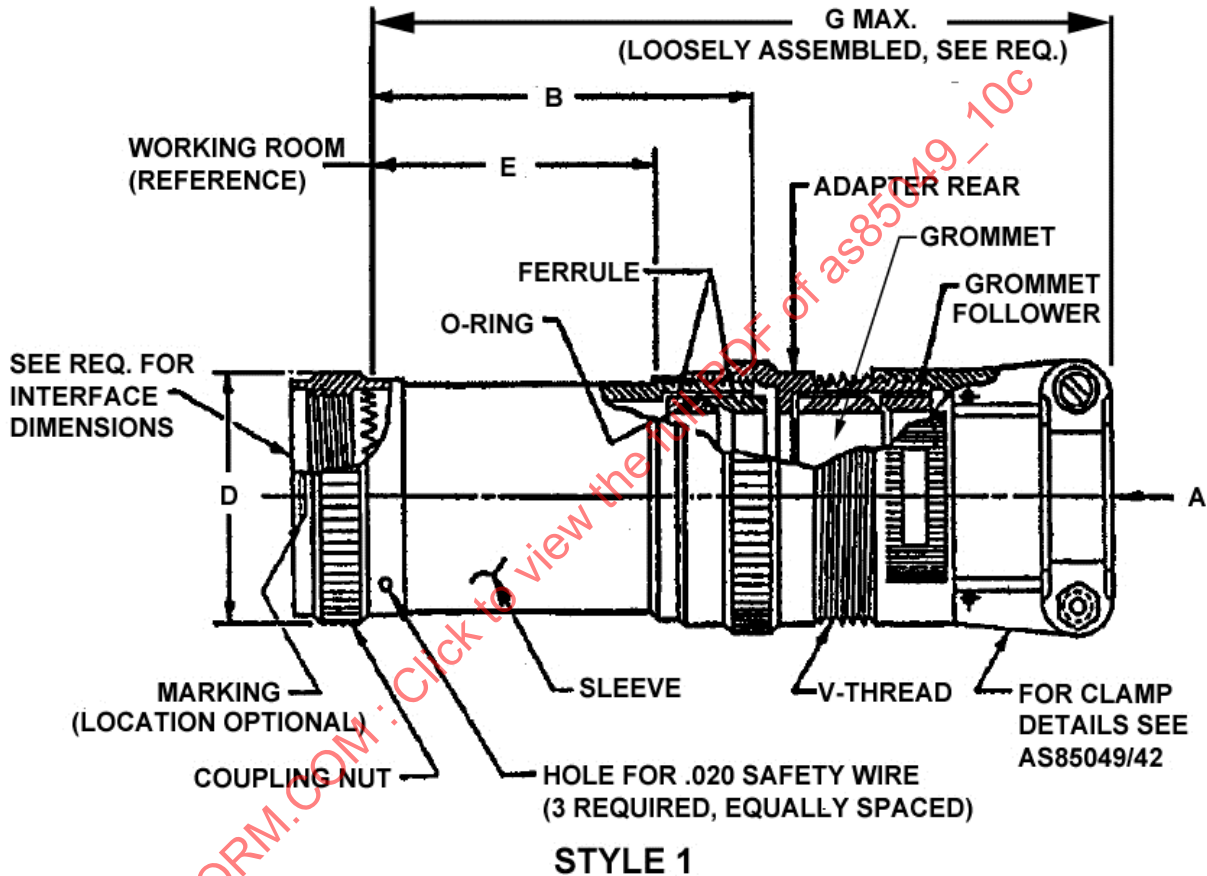
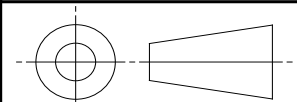


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS (STYLE 1)

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS85049/10c/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



#### AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION, CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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ISSUED 2001-07 REVISED 2016-06 REAFFIRMED 2021-01

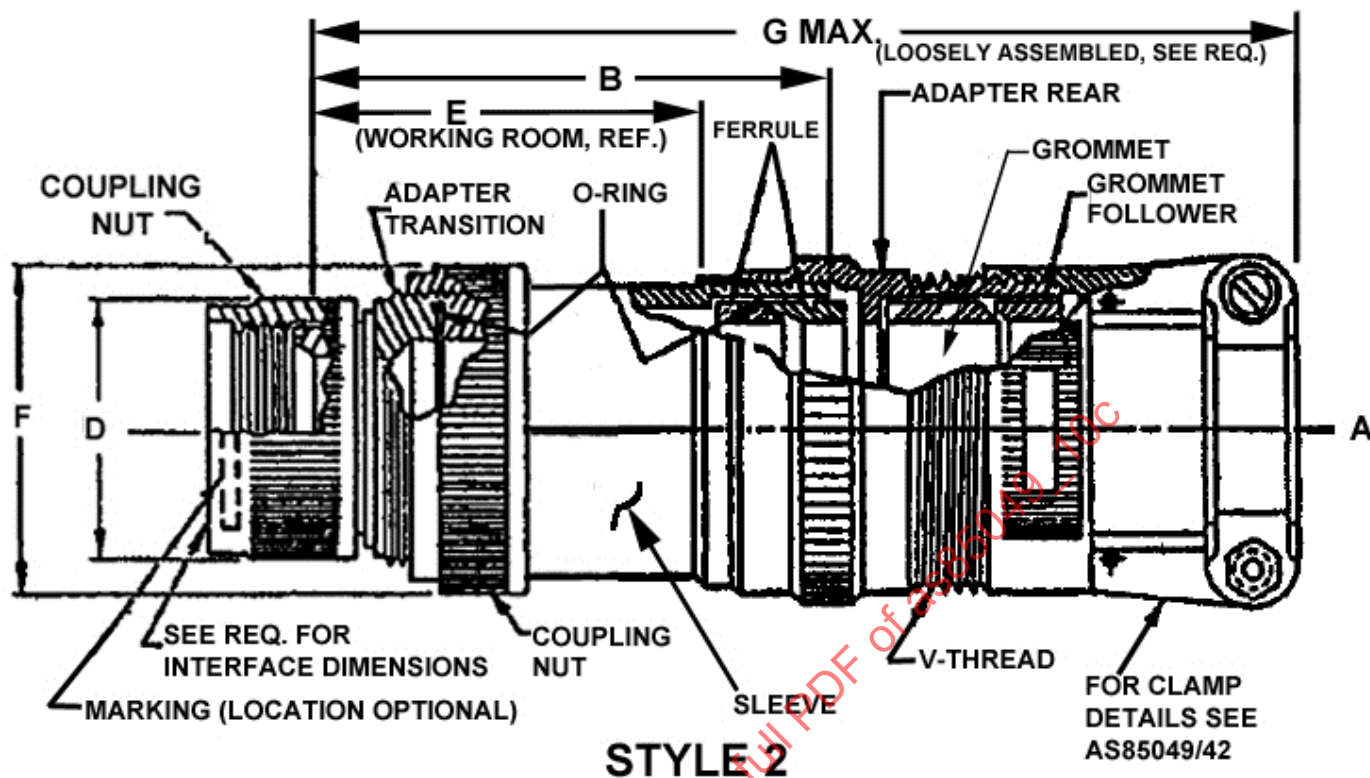


FIGURE 2 - ACCESSORY CONFIGURATION AND DIMENSIONS (STYLE 2)

TABLE 1 - DIMENSIONS

| DASH NO. | FITS SHELL OF CONNECTOR |                            |                              |                              | CLAMP SIZE | A (SEE REQUIREMENTS)                  |              | STYLE | B<br>±.125   | D DIA.<br>MAX. |
|----------|-------------------------|----------------------------|------------------------------|------------------------------|------------|---------------------------------------|--------------|-------|--------------|----------------|
|          | AS81703<br>SER 3        | MIL-DTL-<br>26482<br>SER 2 | AS50151<br>CRIMP,<br>AS95234 | MIL-DTL-<br>83723<br>SER III |            | WIRE BUNDLE<br>ACCOMMODATION<br>RANGE |              |       |              |                |
|          |                         |                            |                              |                              |            | MIN.                                  | MAX.         |       |              |                |
| 01       | 3                       | --                         | --                           | --                           | 4          | .125 (3.18)                           | .250 (6.35)  | 1     | 2.00 (50.80) | .669 (16.99)   |
| 02       | 3                       | --                         | --                           | --                           | 4          | .125 (3.18)                           | .250 (6.35)  | 1     | 3.00 (76.20) | .669 (16.99)   |
| 03       | 3                       | --                         | --                           | --                           | 6          | .250 (6.35)                           | .437 (11.10) | 2     | 2.75 (69.85) | .669 (16.99)   |
| 04       | 3                       | --                         | --                           | --                           | 6          | .250 (6.35)                           | .437 (11.10) | 2     | 3.75 (95.25) | .669 (16.99)   |
| 05       | --                      | 8                          | 8S                           | 8                            | 4          | .125 (3.18)                           | .250 (6.35)  | 1     | 2.00 (50.80) | .617 (15.67)   |
| 06       | --                      | 8                          | 8S                           | 8                            | 4          | .125 (3.18)                           | .250 (6.35)  | 1     | 3.00 (76.20) | .617 (15.67)   |
| 07       | --                      | 8                          | 8S                           | 8                            | 6          | .250 (6.35)                           | .437 (11.10) | 2     | 2.75 (69.85) | .617 (15.67)   |
| 08       | --                      | 8                          | 8S                           | 8                            | 6          | .250 (6.35)                           | .437 (11.10) | 2     | 3.75 (95.25) | .617 (15.67)   |
| 09       | --                      | 10                         | 10S,10SL                     | 10                           | 4          | .125 (3.18)                           | .312 (7.92)  | 1     | 2.00 (50.80) | .734 (18.64)   |
| 10       | --                      | 10                         | 10S,10SL                     | 10                           | 4          | .125 (3.18)                           | .312 (7.92)  | 1     | 3.00 (76.20) | .734 (18.64)   |
| 11       | --                      | 10                         | 10S,10SL                     | 10                           | 6          | .250 (6.35)                           | .437 (11.10) | 2     | 2.75 (69.85) | .734 (18.64)   |
| 12       | --                      | 10                         | 10S,10SL                     | 10                           | 6          | .250 (6.35)                           | .437 (11.10) | 2     | 3.75 (95.25) | .734 (18.64)   |
| 13       | 7                       | 12                         | 12,12S                       | 12                           | 6          | .250 (6.35)                           | .437 (11.10) | 1     | 2.00 (50.80) | .858 (21.79)   |
| 14       | 7                       | 12                         | 12,12S                       | 12                           | 6          | .250 (6.35)                           | .437 (11.10) | 1     | 3.00 (76.20) | .858 (21.79)   |
| 15       | 7                       | 12                         | 12,12S                       | 12                           | 10         | .350 (8.89)                           | .625 (15.88) | 2     | 2.75 (69.85) | .858 (21.79)   |
| 16       | 7                       | 12                         | 12,12S                       | 12                           | 10         | .350 (8.89)                           | .625 (15.88) | 2     | 3.75 (95.25) | .858 (21.79)   |
| 17       | 12                      | 14                         | 14,14S                       | 14                           | 10         | .350 (8.89)                           | .575 (14.61) | 1     | 2.00 (50.80) | .984 (24.99)   |
| 18       | 12                      | 14                         | 14,14S                       | 14                           | 10         | .350 (8.89)                           | .575 (14.61) | 1     | 3.00 (76.20) | .984 (24.99)   |
| 19       | 12                      | 14                         | 14,14S                       | 14                           | 12         | .500 (12.70)                          | .750 (19.05) | 2     | 2.75 (69.85) | .984 (24.99)   |
| 20       | 12                      | 14                         | 14,14S                       | 14                           | 12         | .500 (12.70)                          | .750 (19.05) | 2     | 3.75 (95.25) | .984 (24.99)   |

**TABLE 1 - DIMENSIONS (CONTINUED)**

| DASH NO. | E REF.       | V THREAD CLASS 2A | F DIA. MAX.   | G MAX.        |
|----------|--------------|-------------------|---------------|---------------|
| 01       | 1.06 (26.92) | .625-24 UNEF      | --            | 4.28 (108.71) |
| 02       | 2.06 (52.32) | .625-24 UNEF      | --            | 5.28 (134.11) |
| 03       | 1.81 (45.97) | .750-20 UNEF      | .858 (21.79)  | 5.02 (127.51) |
| 04       | 2.81 (71.37) | .750-20 UNEF      | .858 (21.79)  | 6.02 (152.91) |
| 05       | 1.06 (26.92) | .625-24 UNEF      | --            | 4.28 (108.71) |
| 06       | 2.06 (52.32) | .625-24 UNEF      | --            | 5.28 (134.11) |
| 07       | 1.81 (45.97) | .750-20 UNEF      | .858 (21.79)  | 5.02 (127.51) |
| 08       | 2.81 (71.37) | .750-20 UNEF      | .858 (21.79)  | 6.02 (152.91) |
| 09       | 1.06 (26.92) | .625-24 UNEF      | --            | 4.28 (108.71) |
| 10       | 2.06 (52.32) | .625-24 UNEF      | --            | 5.28 (134.11) |
| 11       | 1.81 (45.97) | .750-20 UNEF      | .858 (21.79)  | 5.02 (127.51) |
| 12       | 2.81 (71.37) | .750-20 UNEF      | .858 (21.79)  | 6.02 (152.91) |
| 13       | 1.06 (26.92) | .750-20 UNEF      | --            | 4.26 (108.20) |
| 14       | 2.06 (52.32) | .750-20 UNEF      | --            | 5.26 (133.60) |
| 15       | 1.67 (42.42) | 1.000-20 UNEF     | 1.112 (28.24) | 5.02 (127.51) |
| 16       | 2.67 (67.82) | 1.000-20 UNEF     | 1.112 (28.24) | 6.02 (152.91) |
| 17       | .92 (23.37)  | 1.000-20 UNEF     | --            | 4.26 (108.20) |
| 18       | 1.92 (48.77) | 1.000-20 UNEF     | --            | 5.26 (133.60) |
| 19       | 1.67 (42.42) | 1.1875-18 UNEF    | 1.218 (30.94) | 5.08 (129.03) |
| 20       | 2.87 (72.90) | 1.1875-18 UNEF    | 1.218 (30.94) | 6.08 (154.43) |

**TABLE 1 - DIMENSIONS (CONTINUED)**

| DASH NO. | FITS SHELL OF CONNECTOR |                            |                              |                              | CLAMP SIZE | A (SEE REQUIREMENTS)                  |               | STYLE | B<br>±.125    | D DIA.<br>MAX. |
|----------|-------------------------|----------------------------|------------------------------|------------------------------|------------|---------------------------------------|---------------|-------|---------------|----------------|
|          | AS81703<br>SER 3        | MIL-DTL-<br>26482<br>SER 2 | AS50151<br>CRIMP,<br>AS05234 | MIL-DTL-<br>83723<br>SER III |            | WIRE BUNDLE<br>ACCOMMODATION<br>RANGE |               |       |               |                |
|          |                         |                            |                              |                              |            | MIN.                                  | MAX.          |       |               |                |
| 21       | 19                      | 16                         | 16,16S                       | 16                           | 12         | .500 (12.70)                          | .700 (17.78)  | 1     | 2.00 (50.80)  | 1.112 (28.24)  |
| 22       | 19                      | 16                         | 16,16S                       | 16                           | 12         | .500 (12.70)                          | .700 (17.78)  | 1     | 3.00 (76.20)  | 1.112 (28.24)  |
| 23       | 19                      | 16                         | 16,16S                       | 16                           | 16         | .625 (15.88)                          | .937 (23.80)  | 2     | 2.75 (69.85)  | 1.112 (28.24)  |
| 24       | 19                      | 16                         | 16,16S                       | 16                           | 16         | .625 (15.88)                          | .937 (23.80)  | 2     | 3.75 (95.25)  | 1.112 (28.24)  |
| 25       | 27                      | 18                         | 18                           | 18                           | 10         | .350 (8.89)                           | .625 (15.88)  | 1     | 2.00 (50.80)  | 1.218 (30.94)  |
| 26       | 27                      | 18                         | 18                           | 18                           | 10         | .350 (8.89)                           | .625 (15.88)  | 1     | 3.00 (76.20)  | 1.218 (30.94)  |
| 27       | 27                      | 18                         | 18                           | 18                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 2.00 (50.80)  | 1.218 (30.94)  |
| 28       | 27                      | 18                         | 18                           | 18                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 3.00 (76.20)  | 1.218 (30.94)  |
| 29       | 27                      | 18                         | 18                           | 18                           | 16         | .625 (15.88)                          | .937 (23.80)  | 2     | 2.75 (69.85)  | 1.218 (30.94)  |
| 30       | 27                      | 18                         | 18                           | 18                           | 16         | .625 (15.88)                          | .937 (23.80)  | 2     | 3.75 (95.25)  | 1.218 (30.94)  |
| 31       | 37                      | 20                         | 20                           | 20                           | 10         | .350 (8.89)                           | .625 (15.88)  | 1     | 3.00 (76.20)  | 1.345 (34.16)  |
| 32       | 37                      | 20                         | 20                           | 20                           | 10         | .350 (8.89)                           | .625 (15.88)  | 1     | 4.00 (101.60) | 1.345 (34.16)  |
| 33       | 37                      | 20                         | 20                           | 20                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 3.00 (76.20)  | 1.345 (34.16)  |
| 34       | 37                      | 20                         | 20                           | 20                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 4.00 (101.60) | 1.345 (34.16)  |
| 35       | 37                      | 20                         | 20                           | 20                           | 16         | .625 (15.88)                          | .937 (23.80)  | 2     | 3.75 (95.25)  | 1.345 (34.16)  |
| 36       | 37                      | 20                         | 20                           | 20                           | 16         | .625 (15.88)                          | .937 (23.80)  | 2     | 4.75 (120.65) | 1.345 (34.16)  |
| 37       | 37                      | 20                         | 20                           | 20                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 2     | 3.75 (95.25)  | 1.345 (34.16)  |
| 38       | 37                      | 20                         | 20                           | 20                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 2     | 4.75 (120.65) | 1.345 (34.16)  |
| 39       | --                      | 22                         | 22                           | 22                           | 10         | .350 (8.89)                           | .625 (15.88)  | 1     | 3.00 (76.20)  | 1.468 (37.29)  |
| 40       | --                      | 22                         | 22                           | 22                           | 10         | .350 (8.89)                           | .625 (15.88)  | 1     | 4.00 (101.60) | 1.468 (37.29)  |



**AEROSPACE STANDARD**

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,  
ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION,  
CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES  
2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | E REF.       | V THREAD CLASS 2A | F DIA. MAX.   | G MAX.        |
|----------|--------------|-------------------|---------------|---------------|
| 21       | .92 (23.37)  | 1.1875-18 UNEF    | --            | 4.33 (109.98) |
| 22       | 1.92 (48.77) | 1.1875-18 UNEF    | --            | 5.33 (135.38) |
| 23       | 1.67 (42.42) | 1.4375-18 UNEF    | 1.468 (37.29) | 5.17 (131.32) |
| 24       | 2.67 (67.82) | 1.4375-18 UNEF    | 1.468 (37.29) | 6.17 (156.72) |
| 25       | .92 (23.37)  | 1.000-20 UNEF     | --            | 4.26 (108.20) |
| 26       | 1.92 (48.77) | 1.000-20 UNEF     | --            | 5.26 (133.60) |
| 27       | .92 (23.37)  | 1.1875-18 UNEF    | --            | 4.33 (109.98) |
| 28       | 1.92 (48.77) | 1.1875-18 UNEF    | --            | 5.33 (135.38) |
| 29       | 1.67 (42.42) | 1.4375-18 UNEF    | 1.468 (37.29) | 5.17 (131.32) |
| 30       | 2.67 (67.82) | 1.4375-18 UNEF    | 1.468 (37.29) | 6.17 (156.72) |
| 31       | 1.92 (48.77) | 1.000-20 UNEF     | --            | 5.26 (133.60) |
| 32       | 2.92 (74.17) | 1.000-20 UNEF     | --            | 6.26 (159.00) |
| 33       | 1.92 (48.77) | 1.1875-18 UNEF    | --            | 5.33 (135.38) |
| 34       | 2.92 (74.17) | 1.1875-18 UNEF    | --            | 6.33 (160.78) |
| 35       | 2.67 (67.82) | 1.4375-18 UNEF    | 1.468 (37.29) | 6.17 (156.72) |
| 36       | 3.67 (93.22) | 1.4375-18 UNEF    | 1.468 (37.29) | 7.17 (182.12) |
| 37       | 2.67 (67.82) | 1.750-18 UNS      | 1.969 (50.01) | 6.32 (160.53) |
| 38       | 3.67 (93.22) | 1.750-18 UNS      | 1.969 (50.01) | 7.32 (185.93) |
| 39       | 1.92 (48.77) | 1.000-20 UNEF     | --            | 5.26 (133.60) |
| 40       | 2.92 (74.17) | 1.000-20 UNEF     | --            | 6.26 (159.00) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | FITS SHELL OF CONNECTOR |                            |                              |                              | CLAMP SIZE | A (SEE REQUIREMENTS)                  |               | STYLE | B<br>±.125    | D DIA.<br>MAX. |
|----------|-------------------------|----------------------------|------------------------------|------------------------------|------------|---------------------------------------|---------------|-------|---------------|----------------|
|          | AS81703<br>SER 3        | MIL-DTL-<br>26482<br>SER 2 | AS50151<br>CRIMP,<br>AS95234 | MIL-DTL-<br>83723<br>SER III |            | WIRE BUNDLE<br>ACCOMMODATION<br>RANGE |               |       |               |                |
|          |                         |                            |                              |                              |            | MIN.                                  | MAX.          |       |               |                |
| 41       | --                      | 22                         | 22                           | 22                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 3.00 (76.20)  | 1.468 (37.29)  |
| 42       | --                      | 22                         | 22                           | 22                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 4.00 (101.60) | 1.468 (37.29)  |
| 43       | --                      | 22                         | 22                           | 22                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 3.00 (76.20)  | 1.468 (37.29)  |
| 44       | --                      | 22                         | 22                           | 22                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 4.00 (101.60) | 1.468 (37.29)  |
| 45       | --                      | 22                         | 22                           | 22                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 2     | 3.75 (95.25)  | 1.468 (37.29)  |
| 46       | --                      | 22                         | 22                           | 22                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 2     | 4.75 (120.65) | 1.468 (37.29)  |
| 47       | --                      | 24                         | 24                           | 24                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 3.00 (76.20)  | 1.593 (40.46)  |
| 48       | --                      | 24                         | 24                           | 24                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 4.00 (101.60) | 1.593 (40.46)  |
| 49       | --                      | 24                         | 24                           | 24                           | 16         | .625 (15.88)                          | .812 (20.62)  | 1     | 3.00 (76.20)  | 1.593 (40.46)  |
| 50       | --                      | 24                         | 24                           | 24                           | 16         | .625 (15.88)                          | .812 (20.62)  | 1     | 4.00 (101.60) | 1.593 (40.46)  |
| 51       | --                      | 24                         | 24                           | 24                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 3.00 (76.20)  | 1.593 (40.46)  |
| 52       | --                      | 24                         | 24                           | 24                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 4.00 (101.60) | 1.593 (40.46)  |
| 53       | --                      | 24                         | 24                           | 24                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 2     | 3.75 (95.25)  | 1.593 (40.46)  |
| 54       | --                      | 24                         | 24                           | 24                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 2     | 4.75 (120.65) | 1.593 (40.46)  |
| 55       | --                      | --                         | 28                           | --                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 3.00 (76.20)  | 1.969 (50.01)  |
| 56       | --                      | --                         | 28                           | --                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 4.00 (101.60) | 1.969 (50.01)  |
| 57       | --                      | --                         | 28                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 3.00 (76.20)  | 1.969 (50.01)  |
| 58       | --                      | --                         | 28                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 4.00 (101.60) | 1.969 (50.01)  |
| 59       | --                      | --                         | 28                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 1     | 3.00 (76.20)  | 1.969 (50.01)  |
| 60       | --                      | --                         | 28                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 1     | 4.00 (101.60) | 1.969 (50.01)  |



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2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | E REF.       | V THREAD CLASS 2A | F DIA. MAX.   | G MAX.        |
|----------|--------------|-------------------|---------------|---------------|
| 41       | 1.92 (48.77) | 1.1875-18 UNEF    | -             | 5.33 (135.38) |
| 42       | 2.92 (74.17) | 1.1875-18 UNEF    | -             | 6.33 (160.78) |
| 43       | 1.92 (48.77) | 1.4375-18 UNEF    | -             | 5.42 (137.67) |
| 44       | 2.92 (74.17) | 1.4375-18 UNEF    | -             | 6.42 (163.07) |
| 45       | 2.67 (67.82) | 1.750-18 UNS      | 1.969 (50.01) | 6.26 (159.00) |
| 46       | 3.67 (93.22) | 1.750-18 UNS      | 1.969 (50.01) | 7.26 (184.40) |
| 47       | 1.92 (48.77) | 1.1875-18 UNEF    | -             | 5.33 (135.38) |
| 48       | 2.92 (74.17) | 1.1875-18 UNEF    | -             | 6.33 (160.78) |
| 49       | 1.92 (48.77) | 1.4375-18 UNEF    | -             | 5.42 (137.67) |
| 50       | 2.92 (74.17) | 1.4375-18 UNEF    | -             | 6.42 (163.07) |
| 51       | 1.92 (48.77) | 1.4375-18 UNEF    | -             | 5.42 (137.67) |
| 52       | 2.92 (74.17) | 1.4375-18 UNEF    | -             | 6.42 (163.07) |
| 53       | 2.67 (67.82) | 1.750-18 UNS      | 1.969 (50.01) | 6.26 (159.00) |
| 54       | 3.67 (93.22) | 1.750-18 UNS      | 1.969 (50.01) | 7.26 (184.40) |
| 55       | 1.92 (48.77) | 1.1875-18 UNEF    | -             | 5.34 (135.64) |
| 56       | 2.92 (74.17) | 1.1875-18 UNEF    | -             | 6.34 (161.04) |
| 57       | 1.92 (48.77) | 1.4375-18 UNEF    | -             | 5.42 (137.67) |
| 58       | 2.92 (74.17) | 1.4375-18 UNEF    | -             | 6.42 (163.07) |
| 59       | 1.92 (48.77) | 1.750-18 UNS      | -             | 5.57 (141.48) |
| 60       | 2.92 (74.17) | 1.750-18 UNS      | -             | 6.57 (166.88) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | FITS SHELL OF CONNECTOR |                            |                              |                              | CLAMP SIZE | A (SEE REQUIREMENTS)                  |               | STYLE | B<br>±.125    | D DIA.<br>MAX. |
|----------|-------------------------|----------------------------|------------------------------|------------------------------|------------|---------------------------------------|---------------|-------|---------------|----------------|
|          | AS81703<br>SER 3        | MIL-DTL-<br>26482<br>SER 2 | AS50151<br>CRIMP,<br>AS95234 | MIL-DTL-<br>83723<br>SER III |            | WIRE BUNDLE<br>ACCOMMODATION<br>RANGE |               |       |               |                |
|          |                         |                            |                              |                              |            | MIN.                                  | MAX.          |       |               |                |
| 61       | --                      | --                         | 28                           | --                           | 24         | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 3.00 (76.20)  | 1.969 (50.01)  |
| 62       | --                      | --                         | 28                           | --                           | 24         | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 4.00 (101.60) | 1.969 (50.01)  |
| 63       | --                      | --                         | 32                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 3.00 (76.20)  | 2.219 (56.36)  |
| 64       | --                      | --                         | 32                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 4.00 (101.60) | 2.219 (56.36)  |
| 65       | --                      | --                         | 32                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 1     | 3.00 (76.20)  | 2.219 (56.36)  |
| 66       | --                      | --                         | 32                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 1     | 4.00 (101.60) | 2.219 (56.36)  |
| 67       | --                      | --                         | 32                           | --                           | 24         | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 3.00 (76.20)  | 2.219 (56.36)  |
| 68       | --                      | --                         | 32                           | --                           | 24         | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 4.00 (101.60) | 2.219 (56.36)  |
| 69       | --                      | --                         | 32                           | --                           | 28         | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 3.00 (76.20)  | 2.219 (56.36)  |
| 70       | --                      | --                         | 32                           | --                           | 28         | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 4.00 (101.60) | 2.219 (56.36)  |
| 71       | --                      | --                         | 36                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 1     | 4.00 (101.60) | 2.469 (62.71)  |
| 72       | --                      | --                         | 36                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 1     | 5.00 (127.00) | 2.469 (62.71)  |
| 73       | --                      | --                         | 36                           | --                           | 24         | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 4.00 (101.60) | 2.469 (62.71)  |
| 74       | --                      | --                         | 36                           | --                           | 24         | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 5.00 (127.00) | 2.469 (62.71)  |
| 75       | --                      | --                         | 36                           | --                           | 28         | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 4.00 (101.60) | 2.469 (62.71)  |
| 76       | --                      | --                         | 36                           | --                           | 28         | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 5.00 (127.00) | 2.469 (62.71)  |
| 77       | --                      | --                         | 36                           | --                           | 32         | 1.437 (36.50)                         | 1.875 (47.63) | 2     | 4.88 (123.95) | 2.469 (62.71)  |
| 78       | --                      | --                         | 36                           | --                           | 32         | 1.437 (36.50)                         | 1.875 (47.63) | 2     | 5.88 (149.35) | 2.469 (62.71)  |
| 79       | --                      | --                         | 40                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 1     | 4.00 (101.60) | 2.719 (69.06)  |
| 80       | --                      | --                         | 40                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 1     | 5.00 (127.00) | 2.719 (69.06)  |



## AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION, CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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**TABLE 1 - DIMENSIONS (CONTINUED)**

| DASH NO. | E REF.        | V THREAD CLASS 2A | F DIA. MAX.   | G MAX.        |
|----------|---------------|-------------------|---------------|---------------|
| 61       | 1.92 (48.77)  | 2.000-18 UNS      | --            | 5.60 (142.24) |
| 62       | 2.92 (74.17)  | 2.000-18 UNS      | --            | 6.60 (167.64) |
| 63       | 1.92 (48.77)  | 1.4375-18 UNEF    | --            | 5.42 (137.67) |
| 64       | 2.92 (74.17)  | 1.4375-18 UNEF    | --            | 6.42 (163.07) |
| 65       | 1.92 (48.77)  | 1.750-18 UNS      | --            | 5.57 (141.48) |
| 66       | 2.92 (74.17)  | 1.750-18 UNS      | --            | 6.57 (166.88) |
| 67       | 1.92 (48.77)  | 2.000-18 UNS      | --            | 5.60 (142.24) |
| 68       | 2.92 (74.17)  | 2.000-18 UNS      | --            | 6.60 (167.64) |
| 69       | 1.92 (48.77)  | 2.250-16 UN       | --            | 5.86 (148.84) |
| 70       | 2.92 (74.17)  | 2.250-16 UN       | --            | 6.86 (174.24) |
| 71       | 2.92 (74.17)  | 1.750-18 UNS      | --            | 6.57 (166.88) |
| 72       | 3.92 (99.57)  | 1.750-18 UNS      | --            | 7.57 (192.28) |
| 73       | 2.92 (74.17)  | 2.000-18 UNS      | --            | 6.60 (167.64) |
| 74       | 3.92 (99.57)  | 2.000-18 UNS      | --            | 7.60 (193.04) |
| 75       | 2.92 (74.17)  | 2.250-16 UN       | --            | 6.86 (174.24) |
| 76       | 3.92 (99.57)  | 2.250-16 UN       | --            | 7.86 (199.64) |
| 77       | 3.80 (96.52)  | 2.500-16 UN       | 2.719 (69.06) | 7.70 (195.58) |
| 78       | 4.80 (121.92) | 2.500-16 UN       | 2.719 (69.06) | 8.70 (220.98) |
| 79       | 2.92 (74.17)  | 1.750-18 UNS      | --            | 6.57 (166.88) |
| 80       | 3.92 (99.57)  | 1.750-18 UNS      | --            | 7.57 (192.28) |

**TABLE 1 - DIMENSIONS (CONTINUED)**

| DASH<br>NO. | FITS SHELL OF CONNECTOR |                            |                              |                              | CLAMP<br>SIZE | A (SEE REQUIREMENTS)                  |               | STYLE | B<br>±.125    | D DIA.<br>MAX. |
|-------------|-------------------------|----------------------------|------------------------------|------------------------------|---------------|---------------------------------------|---------------|-------|---------------|----------------|
|             | AS81703<br>SER 3        | MIL-DTL-<br>26482<br>SER 2 | AS50151<br>CRIMP,<br>AS95234 | MIL-DTL-<br>83723<br>SER III |               | WIRE BUNDLE<br>ACCOMMODATION<br>RANGE |               |       |               |                |
|             |                         |                            |                              |                              |               | MIN.                                  | MAX.          |       |               |                |
| 81          | --                      | --                         | 40                           | --                           | 24            | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 4.00 (101.60) | 2.719 (69.06)  |
| 82          | --                      | --                         | 40                           | --                           | 24            | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 5.00 (127.00) | 2.719 (69.06)  |
| 83          | --                      | --                         | 40                           | --                           | 28            | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 4.00 (101.60) | 2.719 (69.06)  |
| 84          | --                      | --                         | 40                           | --                           | 28            | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 5.00 (127.00) | 2.719 (69.06)  |
| 85          | --                      | --                         | 40                           | --                           | 32            | 1.437 (36.50)                         | 1.875 (47.63) | 1     | 4.00 (101.60) | 2.719 (69.06)  |
| 86          | --                      | --                         | 40                           | --                           | 32            | 1.437 (36.50)                         | 1.875 (47.63) | 1     | 5.00 (127.00) | 2.719 (69.06)  |
| 87          | --                      | --                         | 44                           | --                           | 20            | .875 (22.23)                          | 1.250 (31.75) | 1     | 4.00 (101.60) | 2.969 (75.41)  |
| 88          | --                      | --                         | 44                           | --                           | 20            | .875 (22.23)                          | 1.250 (31.75) | 1     | 5.00 (127.00) | 2.969 (75.41)  |
| 89          | --                      | --                         | 44                           | --                           | 24            | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 4.00 (101.60) | 2.969 (75.41)  |
| 90          | --                      | --                         | 44                           | --                           | 24            | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 5.00 (127.00) | 2.969 (75.41)  |
| 91          | --                      | --                         | 44                           | --                           | 28            | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 4.00 (101.60) | 2.969 (75.41)  |
| 92          | --                      | --                         | 44                           | --                           | 28            | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 5.00 (127.00) | 2.969 (75.41)  |
| 93          | --                      | --                         | 44                           | --                           | 32            | 1.437 (36.50)                         | 1.875 (47.63) | 1     | 4.00 (101.60) | 2.969 (75.41)  |
| 94          | --                      | --                         | 44                           | --                           | 32            | 1.437 (36.50)                         | 1.875 (47.63) | 1     | 5.00 (127.00) | 2.969 (75.41)  |
| 95          | --                      | --                         | 48                           | --                           | 20            | .875 (22.23)                          | 1.250 (31.75) | 1     | 4.00 (101.60) | 3.219 (81.76)  |
| 96          | --                      | --                         | 48                           | --                           | 20            | .875 (22.23)                          | 1.250 (31.75) | 1     | 5.00 (127.00) | 3.219 (81.76)  |
| 97          | --                      | --                         | 48                           | --                           | 24            | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 4.00 (101.60) | 3.219 (81.76)  |
| 98          | --                      | --                         | 48                           | --                           | 24            | 1.000 (25.40)                         | 1.375 (34.93) | 1     | 5.00 (127.00) | 3.219 (81.76)  |
| 99          | --                      | --                         | 48                           | --                           | 28            | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 4.00 (101.60) | 3.219 (81.76)  |
| 100         | --                      | --                         | 48                           | --                           | 28            | 1.250 (31.75)                         | 1.625 (41.28) | 1     | 5.00 (127.00) | 3.219 (81.76)  |



**AEROSPACE STANDARD**

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION, CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | E REF.       | V THREAD CLASS 2A | F DIA MAX. | G MAX.        |
|----------|--------------|-------------------|------------|---------------|
| 81       | 2.92 (74.17) | 2.000-18 UNS      | --         | 6.60 (167.64) |
| 82       | 3.92 (99.57) | 2.000-18 UNS      | --         | 7.60 (193.04) |
| 83       | 2.92 (74.17) | 2.250-16 UN       | --         | 7.07 (179.58) |
| 84       | 3.92 (99.57) | 2.250-16 UN       | --         | 8.07 (204.98) |
| 85       | 2.92 (74.17) | 2.500-16 UN       | --         | 7.12 (180.85) |
| 86       | 3.92 (99.57) | 2.500-16 UN       | --         | 8.12 (206.25) |
| 87       | 2.92 (74.17) | 1.750-18 UNS      | --         | 6.75 (171.45) |
| 88       | 3.92 (99.57) | 1.750-18 UNS      | --         | 7.75 (196.85) |
| 89       | 2.92 (74.17) | 2.000-18 UNS      | --         | 6.60 (167.64) |
| 90       | 3.92 (99.57) | 2.000-18 UNS      | --         | 7.60 (193.04) |
| 91       | 2.92 (74.17) | 2.250-16 UN       | --         | 7.07 (179.58) |
| 92       | 3.92 (99.57) | 2.250-16 UN       | --         | 8.07 (204.98) |
| 93       | 2.92 (74.17) | 2.500-16 UN       | --         | 7.12 (180.85) |
| 94       | 3.92 (99.57) | 2.500-16 UN       | --         | 8.12 (206.25) |
| 95       | 2.92 (74.17) | 1.750-18 UNS      | --         | 6.75 (171.45) |
| 96       | 3.92 (99.57) | 1.750-18 UNS      | --         | 7.75 (196.85) |
| 97       | 2.92 (74.17) | 2.000-18 UNS      | --         | 6.60 (167.64) |
| 98       | 3.92 (99.57) | 2.000-18 UNS      | --         | 7.60 (193.04) |
| 99       | 2.92 (74.17) | 2.250-16 UN       | --         | 7.07 (179.58) |
| 100      | 3.92 (99.57) | 2.250-16 UN       | --         | 8.07 (204.98) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | FITS SHELL OF CONNECTOR |                            |                              |                              | CLAMP SIZE | A (SEE REQUIREMENTS)                  |               | STYLE | B<br>±.125    | D DIA.<br>MAX. |
|----------|-------------------------|----------------------------|------------------------------|------------------------------|------------|---------------------------------------|---------------|-------|---------------|----------------|
|          | AS81703<br>SER 3        | MIL-DTL-<br>26482<br>SER 2 | AS50151<br>CRIMP,<br>AS95234 | MIL-DTL-<br>83723<br>SER III |            | WIRE BUNDLE<br>ACCOMMODATION<br>RANGE |               |       |               |                |
|          |                         |                            |                              |                              |            | MIN.                                  | MAX.          |       |               |                |
| 101      | --                      | --                         | 48                           | --                           | 32         | 1.437 (36.50)                         | 1.875 (47.63) | 1     | 4.00 (101.60) | 3.219 (81.76)  |
| 102      | --                      | --                         | 48                           | --                           | 32         | 1.437 (36.50)                         | 1.875 (47.63) | 1     | 5.00 (127.00) | 3.219 (81.76)  |
| 103      | 61                      | --                         | --                           | --                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 3.00 (76.20)  | 1.653 (41.99)  |
| 104      | 61                      | --                         | --                           | --                           | 12         | .500 (12.70)                          | .750 (19.05)  | 1     | 4.00 (101.60) | 1.653 (41.99)  |
| 105      | 61                      | --                         | --                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 3.00 (76.20)  | 1.653 (41.99)  |
| 106      | 61                      | --                         | --                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 4.00 (101.60) | 1.653 (41.99)  |
| 107      | 61                      | --                         | --                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 2     | 3.75 (95.25)  | 1.653 (41.99)  |
| 108      | 61                      | --                         | --                           | --                           | 20         | .875 (22.23)                          | 1.250 (31.75) | 2     | 4.75 (120.65) | 1.653 (41.99)  |
| 109      | 61                      | --                         | --                           | --                           | 24         | 1.000 (25.40)                         | 1.375 (34.93) | 2     | 3.75 (95.25)  | 1.653 (41.99)  |
| 110      | 61                      | --                         | --                           | --                           | 24         | 1.000 (25.40)                         | 1.375 (34.93) | 2     | 4.75 (120.65) | 1.653 (41.99)  |
| 111      | 7                       | 12                         | 12,12S                       | 12                           | 10         | .350 (8.89)                           | .500 (12.70)  | 1     | 2.00 (50.80)  | .858 (21.79)   |
| 112      | 19                      | 16                         | 16,16S                       | 16                           | 6          | .250 (6.35)                           | .437 (11.10)  | 1     | 2.00 (50.80)  | 1.112 (28.24)  |
| 113      | 19                      | 16                         | 16,16S                       | 16                           | 6          | .250 (6.35)                           | .437 (11.10)  | 1     | 3.00 (76.20)  | 1.112 (28.24)  |
| 114      | 7                       | 12                         | 12,12S                       | 12                           | 4          | .125 (3.18)                           | .312 (7.92)   | 1     | 2.00 (50.80)  | .858 (21.79)   |
| 115      | 7                       | 12                         | 12,12S                       | 12                           | 4          | .125 (3.18)                           | .312 (7.92)   | 1     | 3.00 (76.20)  | .858 (21.79)   |
| 116      | 12                      | 14                         | 14,14S                       | 14                           | 6          | .250 (6.35)                           | .437 (11.10)  | 1     | 2.00 (50.80)  | .984 (24.99)   |
| 117      | 12                      | 14                         | 14,14S                       | 14                           | 6          | .250 (6.35)                           | .437 (11.10)  | 1     | 3.00 (76.20)  | .984 (24.99)   |
| 118      | 19                      | 16                         | 16,16S                       | 16                           | 10         | .350 (8.89)                           | .625 (15.88)  | 1     | 2.00 (50.80)  | 1.112 (28.24)  |
| 119      | 19                      | 16                         | 16,16S                       | 16                           | 10         | .350 (8.89)                           | .625 (15.88)  | 1     | 3.00 (76.20)  | 1.112 (28.24)  |



## AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,  
ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION,  
CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES  
2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS

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**TABLE 1 - DIMENSIONS (CONTINUED)**

| DASH NO. | E REF.       | V THREAD CLASS 2A | F DIA. MAX.   | G MAX.        |
|----------|--------------|-------------------|---------------|---------------|
| 101      | 2.92 (74.17) | 2.500-16 UN       | --            | 6.86 (174.24) |
| 102      | 3.92 (99.57) | 2.500-16 UN       | --            | 7.86 (199.64) |
| 103      | 1.92 (48.77) | 1.1875-18 UNEF    | --            | 5.33 (135.38) |
| 104      | 2.92 (74.17) | 1.1875-18 UNEF    | --            | 6.33 (160.78) |
| 105      | 1.92 (48.77) | 1.4375-18 UNEF    | --            | 5.42 (137.67) |
| 106      | 2.92 (74.17) | 1.4375-18 UNEF    | --            | 6.42 (163.07) |
| 107      | 2.67 (67.82) | 1.750-18 UNS      | 1.969 (50.01) | 6.32 (160.53) |
| 108      | 3.67 (93.22) | 1.750-18 UNS      | 1.969 (50.01) | 7.50 (190.50) |
| 109      | 2.67 (67.82) | 2.000-18 UNS      | 1.969 (50.01) | 6.35 (161.29) |
| 110      | 3.67 (93.22) | 2.000-18 UNS      | 1.969 (50.01) | 7.35 (186.69) |
| 111      | 1.00 (25.40) | 1.000-20 UNEF     | --            | 4.26 (108.20) |
| 112      | 1.00 (25.40) | 1.000-20 UNEF     | --            | 4.26 (108.20) |
| 113      | 2.00 (50.80) | .750-20 UNEF      | --            | 5.26 (133.60) |
| 114      | 1.00 (25.40) | .750-20 UNEF      | --            | 4.28 (108.71) |
| 115      | 2.00 (50.80) | .625-24 UNEF      | --            | 5.28 (134.11) |
| 116      | 1.00 (25.40) | .625-24 UNEF      | --            | 4.26 (108.20) |
| 117      | 2.00 (50.80) | .750-20 UNEF      | --            | 5.26 (133.60) |
| 118      | .92 (23.37)  | .750-20 UNEF      | --            | 4.38 (111.25) |
| 119      | 1.92 (48.77) | 1.000-20 UNEF     | --            | 5.38 (136.65) |

**TABLE 1 - DIMENSIONS (CONTINUED)**

| DASH NO. | FITS SHELL OF CONNECTOR |                            |                              |                              | CLAMP SIZE | A (SEE REQUIREMENTS)                  |              | STYLE | B<br>±.125    | D DIA.<br>MAX. |
|----------|-------------------------|----------------------------|------------------------------|------------------------------|------------|---------------------------------------|--------------|-------|---------------|----------------|
|          | AS81703<br>SER 3        | MIL-DTL-<br>26482<br>SER 2 | AS50151<br>CRIMP,<br>AS95234 | MIL-DTL-<br>83723<br>SER III |            | WIRE BUNDLE<br>ACCOMMODATION<br>RANGE |              |       |               |                |
|          |                         |                            |                              |                              |            | MIN.                                  | MAX.         |       |               |                |
| 120      | 27                      | 18                         | 18                           | 18                           | 4          | .125 (3.18)                           | .312 (7.92)  | 1     | 2.00 (50.80)  | 1.218 (30.94)  |
| 121      | 27                      | 18                         | 18                           | 18                           | 4          | .125 (3.18)                           | .312 (7.92)  | 1     | 3.00 (76.20)  | 1.218 (30.94)  |
| 122      | 27                      | 18                         | 18                           | 18                           | 6          | .250 (6.35)                           | .437 (11.10) | 1     | 2.00 (50.80)  | 1.218 (30.94)  |
| 123      | 27                      | 18                         | 18                           | 18                           | 6          | .250 (6.35)                           | .437 (11.10) | 1     | 3.00 (76.20)  | 1.218 (30.94)  |
| 124      | 37                      | 20                         | 20                           | 20                           | 6          | .250 (6.35)                           | .437 (11.10) | 1     | 3.00 (76.20)  | 1.345 (34.16)  |
| 125      | 37                      | 20                         | 20                           | 20                           | 6          | .250 (6.35)                           | .437 (11.10) | 1     | 4.00 (101.60) | 1.345 (34.16)  |
| 126      | --                      | 22                         | 22                           | 22                           | 4          | .125 (3.18)                           | .312 (7.92)  | 1     | 3.00 (76.20)  | 1.468 (37.29)  |
| 127      | --                      | 22                         | 22                           | 22                           | 4          | .125 (3.18)                           | .312 (7.92)  | 1     | 4.00 (101.60) | 1.468 (37.29)  |
| 128      | --                      | 22                         | 22                           | 22                           | 6          | .250 (6.35)                           | .437 (11.10) | 1     | 3.00 (76.20)  | 1.468 (37.29)  |
| 129      | --                      | 22                         | 22                           | 22                           | 6          | .250 (6.35)                           | .437 (11.10) | 1     | 4.00 (101.60) | 1.468 (37.29)  |
| 130      | --                      | 24                         | 24                           | 24                           | 10         | .350 (8.89)                           | .625 (15.88) | 1     | 3.00 (76.20)  | 1.593 (40.46)  |
| 131      | --                      | 24                         | 24                           | 24                           | 10         | .350 (8.89)                           | .625 (15.88) | 1     | 4.00 (101.60) | 1.593 (40.46)  |
| 132      | --                      | --                         | 36                           | --                           | 12         | .500 (12.70)                          | .750 (19.05) | 1     | 4.00 (101.60) | 2.469 (62.71)  |
| 133      | --                      | --                         | 36                           | --                           | 12         | .500 (12.70)                          | .750 (19.05) | 1     | 5.00 (127.00) | 2.469 (62.71)  |
| 134      | --                      | --                         | 40                           | --                           | 12         | .500 (12.70)                          | .750 (19.05) | 1     | 4.00 (101.60) | 2.719 (69.06)  |
| 135      | --                      | --                         | 40                           | --                           | 12         | .500 (12.70)                          | .750 (19.05) | 1     | 5.00 (127.00) | 2.719 (69.06)  |
| 136      | --                      | 10                         | 10S,10S                      | 10                           | 6          | .250 (6.35)                           | .375 (9.53)  | 1     | 2.00 (50.80)  | .734 (18.64)   |
| 137      | --                      | 10                         | 10S,10S                      | 10                           | 6          | .250 (6.35)                           | .375 (9.53)  | 1     | 3.00 (76.20)  | .734 (18.64)   |
| 138      | 7                       | 12                         | 12,12S                       | 12                           | 10         | .350 (8.89)                           | .500 (12.70) | 1     | 2.00 (50.80)  | .858 (21.79)   |
| 139      | 7                       | 12                         | 12,12S                       | 12                           | 10         | .350 (8.89)                           | .500 (12.70) | 1     | 3.00 (76.20)  | .858 (21.79)   |



**AEROSPACE STANDARD**

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,  
ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION,  
CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES  
2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS

**AS85049™/10**  
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**REV.  
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**TABLE 1 - DIMENSIONS (CONTINUED)**

| DASH NO. | E REF.       | V THREAD CLASS 2A | F DIA. MAX. | G MAX.        |
|----------|--------------|-------------------|-------------|---------------|
| 120      | .92 (23.37)  | .625-24 UNEF      | --          | 4.28 (108.71) |
| 121      | 1.92 (48.77) | .625-24 UNEF      | --          | 5.28 (134.11) |
| 122      | .92 (23.37)  | .750-20 UNEF      | --          | 4.26 (108.20) |
| 123      | 1.92 (48.77) | .750-20 UNEF      | --          | 5.26 (133.60) |
| 124      | 1.92 (48.77) | .750-20 UNEF      | --          | 5.26 (133.60) |
| 125      | 2.92 (74.17) | .750-20 UNEF      | --          | 6.26 (159.00) |
| 126      | 1.92 (48.77) | .625-24 UNEF      | --          | 5.28 (134.11) |
| 127      | 2.97 (75.44) | .625-24 UNEF      | --          | 6.28 (159.51) |
| 128      | 1.92 (48.77) | .750-20 UNEF      | --          | 5.26 (133.60) |
| 129      | 2.92 (74.17) | .750-20 UNEF      | --          | 6.26 (159.00) |
| 130      | 1.92 (48.77) | 1.000-20 UNEF     | --          | 5.26 (133.60) |
| 131      | 2.92 (74.17) | 1.000-20 UNEF     | --          | 6.26 (159.00) |
| 132      | 2.92 (74.17) | 1.1875-18 UNEF    | --          | 6.34 (161.04) |
| 133      | 3.92 (99.57) | 1.1875-18 UNEF    | --          | 7.34 (186.44) |
| 134      | 2.92 (74.17) | 1.1875-18 UNEF    | --          | 6.34 (161.04) |
| 135      | 3.92 (99.57) | 1.1875-18 UNEF    | --          | 7.34 (186.44) |
| 136      | 1.06 (26.92) | .750-20 UNEF      | --          | 4.26 (108.20) |
| 137      | 2.06 (52.32) | .750-20 UNEF      | --          | 5.26 (133.60) |
| 138      | 1.06 (26.92) | 1.000-20 UNEF     | --          | 4.26 (108.20) |
| 139      | 2.06 (52.32) | 1.000-20 UNEF     | --          | 5.26 (133.60) |

**TABLE 1 - DIMENSIONS (CONTINUED)**

| DASH NO. | FITS SHELL OF CONNECTOR |                            |                              |                              | CLAMP SIZE | A (SEE REQUIREMENTS)                  |               | STYLE | B<br>±.125    | D DIA.<br>MAX. |
|----------|-------------------------|----------------------------|------------------------------|------------------------------|------------|---------------------------------------|---------------|-------|---------------|----------------|
|          | AS81703<br>SER 3        | MIL-DTL-<br>26482<br>SER 2 | AS50151<br>CRIMP,<br>AS95234 | MIL-DTL-<br>83723<br>SER III |            | WIRE BUNDLE<br>ACCOMMODATION<br>RANGE |               |       |               |                |
|          |                         |                            |                              |                              |            | MIN.                                  | MAX.          |       |               |                |
| 140      | 37                      | 20                         | 20                           | 20                           | 16         | .625 (15.88)                          | .904 (22.96)  | 1     | 3.00 (76.20)  | 1.345 (34.16)  |
| 141      | 37                      | 20                         | 20                           | 20                           | 16         | .625 (15.88)                          | .904 (22.96)  | 1     | 4.00 (101.60) | 1.345 (34.16)  |
| 142      | --                      | 22                         | 22                           | 22                           | 20         | .875 (22.23)                          | 1.029 (26.14) | 1     | 3.00 (76.20)  | 1.468 (37.29)  |
| 143      | --                      | 22                         | 22                           | 22                           | 20         | .875 (22.23)                          | 1.029 (26.14) | 1     | 4.00 (101.60) | 1.468 (37.29)  |
| 144      | --                      | 24                         | 24                           | 24                           | 20         | .875 (22.23)                          | 1.144 (29.06) | 1     | 3.00 (76.20)  | 1.593 (40.46)  |
| 145      | --                      | 24                         | 24                           | 24                           | 20         | .875 (22.23)                          | 1.144 (29.06) | 1     | 4.00 (101.60) | 1.593 (40.46)  |
| 146      | --                      | --                         | 36                           | --                           | 32         | 1.437 (36.50)                         | 1.840 (46.74) | 1     | 4.00 (101.60) | 2.469 (62.71)  |
| 147      | --                      | --                         | 36                           | --                           | 32         | 1.437 (36.50)                         | 1.840 (46.74) | 1     | 5.00 (127.00) | 2.469 (62.71)  |
| 148      | --                      | --                         | 36                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 4.00 (101.60) | 2.469 (62.71)  |
| 149      | --                      | --                         | 36                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 5.00 (127.00) | 2.469 (62.71)  |
| 150      | 12                      | 14                         | 14,14S                       | 14                           | 4          | .125 (3.18)                           | .312 (7.92)   | 1     | 2.00 (50.80)  | .984 (24.99)   |
| 151      | 12                      | 14                         | 14,14S                       | 14                           | 4          | .125 (3.18)                           | .312 (7.92)   | 1     | 3.00 (76.20)  | .984 (24.99)   |
| 152      | 19                      | 16                         | 16,16S                       | 16                           | 4          | .125 (3.18)                           | .312 (7.92)   | 1     | 2.00 (50.80)  | 1.112 (28.24)  |
| 153      | 19                      | 16                         | 16,16S                       | 16                           | 4          | .125 (3.18)                           | .312 (7.92)   | 1     | 3.00 (76.20)  | 1.112 (28.24)  |
| 154      | --                      | --                         | 44                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 4.00 (101.60) | 2.969 (75.41)  |
| 155      | --                      | --                         | 44                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 5.00 (127.00) | 2.969 (75.41)  |
| 156      | --                      | --                         | 40                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 4.00 (101.60) | 2.719 (69.06)  |
| 157      | --                      | --                         | 40                           | --                           | 16         | .625 (15.88)                          | .937 (23.80)  | 1     | 5.00 (127.00) | 2.719 (69.06)  |



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