

REV.
C

RATIONALE

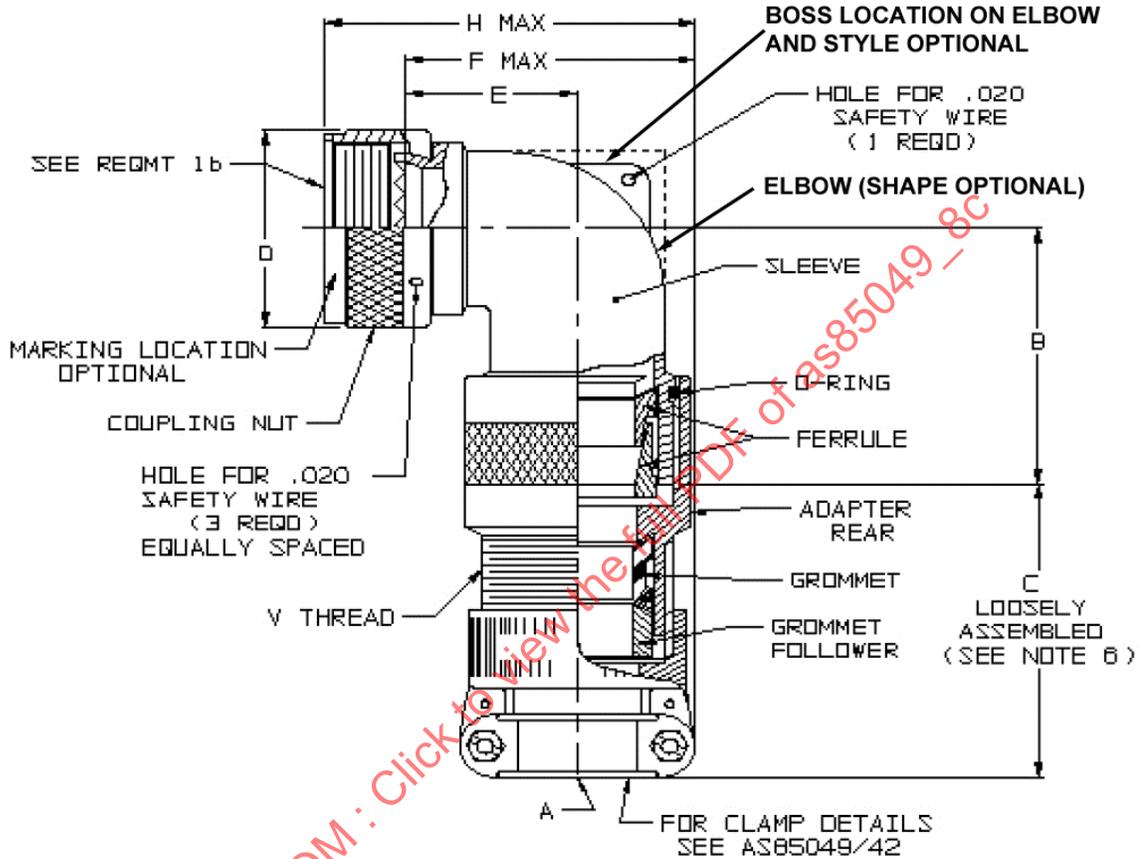
REVISION IS REQUIRED TO ELIMINATE QUALITY INSPECTION ISSUES AND ALIGN THE PRODUCT DETAIL FEATURES WITH SIMILAR DETAIL SHEETS.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS85049.

SAE AS85049/8

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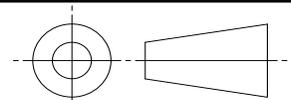


STYLE 1

FIGURE 1 - CONFIGURATION AND DIMENSIONS

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

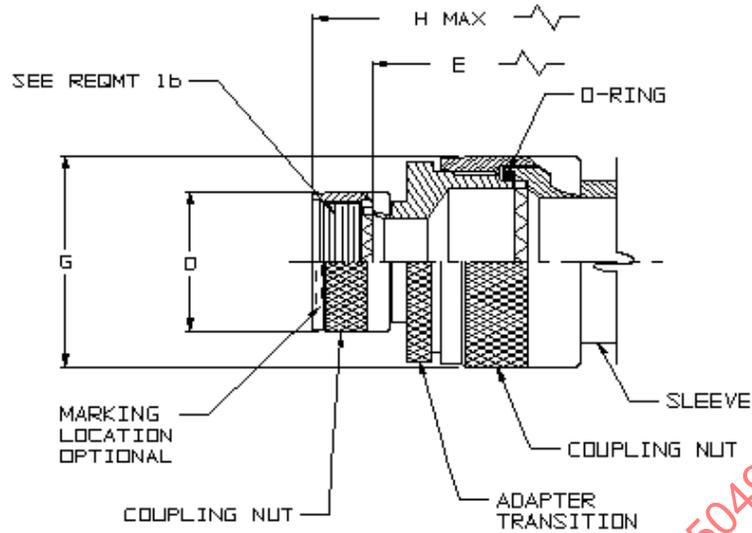
SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, 90°, SHIELD TERMINATION, CATEGORY 1A (FOR AS50151 CRIMP, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

SAE AS85049/8
SHEET 1 OF 9

REV.
C



STYLE 2

FIGURE 1 - CONFIGURATION AND DIMENSIONS (CONTINUED)

TABLE 1 - DIMENSIONS

| DASH NO. | CONNECTOR SHELL SIZE | | | | CLAMP SIZE | A (SEE NOTE 6) | | STYLE | B ±.125 | | C REF | |
|----------|----------------------|------------------------|---------------|--------------------------|------------|---------------------------------|---------------|-------|---------------|---------------|-------|--|
| | AS81703 SERIES 3 | MIL-DTL-26482 SERIES 2 | AS50151 CRIMP | MIL-DTL-83723 SERIES III | | WIRE BUNDLE ACCOMMODATION RANGE | | | | | | |
| | | | | | | MIN | MAX | | | | | |
| 1 | 3 | N/A | N/A | N/A | 4 | .125 (3.18) | .250 (6.35) | 1 | 1.800 (45.72) | 1.544 (39.22) | | |
| 2 | | | | | 6 | .250 (6.35) | .437 (11.10) | 2 | 1.320 (33.53) | 1.544 (39.22) | | |
| 3 | N/A | 8 | 8S | 8 | 4 | .125 (3.18) | .250 (6.35) | 1 | 1.200 (30.48) | 1.544 (39.22) | | |
| 4 | | 10 | 10S, 10SL | 10 | 4 | .125 (3.18) | .312 (7.92) | 1 | 1.920 (48.77) | 1.544 (39.22) | | |
| 5 | | 6 | .250 (6.35) | .375 (9.53) | 1 | 1.320 (33.53) | 1.544 (39.22) | | | | | |
| 6 | 7 | 12 | 12, 12S | 12 | 4 | .125 (3.18) | .312 (7.92) | 1 | 1.940 (49.28) | 1.544 (39.22) | | |
| 7 | | | | | 6 | .250 (6.35) | .437 (11.10) | 1 | 1.940 (49.28) | 1.544 (39.22) | | |
| 8 | | | | | 10 | .350 (8.89) | .500 (12.70) | 1 | 1.335 (33.91) | 1.844 (46.84) | | |
| 9 | 12 | 14 | 14, 14S | 14 | 6 | .250 (6.35) | .437 (11.10) | 1 | 2.010 (51.05) | 1.544 (39.22) | | |
| 10 | | | | | 10 | .350 (8.89) | .575 (14.61) | 1 | 1.655 (42.04) | 1.844 (46.84) | | |
| 11 | 19 | 16 | 16, 16S | 16 | 6 | .250 (6.35) | .437 (11.10) | 1 | 2.100 (53.34) | 1.544 (39.22) | | |
| 12 | | | | | 12 | .500 (12.70) | .700 (17.78) | 1 | 1.745 (44.32) | 1.916 (48.67) | | |
| 13 | 27 | 18 | 18 | 18 | 10 | .350 (8.89) | .625 (15.88) | 1 | 2.270 (57.66) | 1.844 (46.84) | | |
| 14 | | | | | 16 | .625 (15.88) | .779 (19.79) | 1 | 1.920 (48.77) | 2.000 (50.8) | | |
| 15 | 37 | 20 | 20 | 20 | 10 | .350 (8.89) | .625 (15.88) | 1 | 2.270 (57.66) | 1.844 (46.84) | | |
| 16 | | | | | 16 | .625 (15.88) | .904 (22.96) | 1 | 1.920 (48.77) | 2.000 (50.8) | | |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | D DIA MAX | E ±.125 | V THREAD CLASS 2A | F MAX | G DIA MAX | H MAX |
|----------|---------------|---------------|-------------------|--------------|--------------|--------------|
| 1 | .669 (16.99) | .636 (16.15) | .625-24 UNEF | 1.18 (29.97) | - | 1.57 (39.88) |
| 2 | .669 (16.99) | 1.386 (35.20) | .750-20 UNEF | 2.02 (51.31) | .858 (21.79) | 2.41 (61.21) |
| 3 | .617 (15.67) | .541 (13.74) | .625-24 UNEF | 1.09 (27.69) | - | 1.48 (37.59) |
| 4 | .734 (18.64) | .636 (16.15) | .625-24 UNEF | 1.18 (29.97) | - | 1.57 (39.88) |
| 5 | .734 (18.64) | .636 (16.15) | .750-20 UNEF | 1.27 (32.26) | - | 1.66 (42.16) |
| 6 | .858 (21.79) | .641 (16.28) | .625-24 UNEF | 1.18 (29.97) | - | 1.57 (39.88) |
| 7 | .858 (21.79) | .641 (16.28) | .750-20 UNEF | 1.28 (32.51) | - | 1.67 (42.42) |
| 8 | .858 (21.79) | .641 (16.28) | 1.000-20 UNEF | 1.37 (34.80) | - | 1.76 (44.70) |
| 9 | .984 (24.99) | .741 (18.82) | .750-20 UNEF | 1.38 (35.05) | - | 1.77 (44.96) |
| 10 | .984 (24.99) | .741 (18.82) | 1.000-20 UNEF | 1.47 (37.34) | - | 1.86 (47.24) |
| 11 | 1.112 (28.24) | .926 (23.52) | .750-20 UNEF | 1.59 (40.39) | - | 1.98 (50.29) |
| 12 | 1.112 (28.24) | .926 (23.52) | 1.1875-18 UNEF | 1.77 (44.96) | - | 2.16 (54.86) |
| 13 | 1.218 (30.94) | 1.016 (25.81) | 1.000-20 UNEF | 1.80 (45.72) | - | 2.19 (55.63) |
| 14 | 1.218 (30.94) | 1.016 (25.81) | 1.4375-18 UNEF | 1.97 (50.04) | - | 2.36 (59.94) |
| 15 | 1.345 (34.16) | 1.016 (25.81) | 1.000-20 UNEF | 1.80 (45.72) | - | 2.19 (55.63) |
| 16 | 1.345 (34.16) | 1.016 (25.81) | 1.4375-18 UNEF | 1.97 (50.04) | - | 2.36 (59.94) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | CONNECTOR SHELL SIZE | | | | CLAMP SIZE | A (SEE NOTE 6) | | STYLE | B ±.125 | C REF | | | | |
|----------|----------------------|------------------------|---------------|--------------------------|---------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | AS81703 SERIES 3 | MIL-DTL-26482 SERIES 2 | AS50151 CRIMP | MIL-DTL-83723 SERIES III | | WIRE BUNDLE ACCOMMODATION RANGE | | | | | | | | |
| | | | | | | MIN | MAX | | | | | | | |
| 17 | N/A | 22 | 22 | 22 | 12 | .500 (12.70) | .750 (19.05) | 1 | 2.380 (60.45) | 1.916 (48.72) | | | | |
| 18 | | | | | 20 | .875 (22.23) | 1.029 (26.14) | 1 | 2.025 (51.44) | 2.230 (56.64) | | | | |
| 19 | | | | | 24 | 24 | 24 | 12 | .500 (12.70) | .750 (19.05) | 1 | 2.380 (60.45) | 1.916 (48.67) | |
| 20 | | | | | | | | 20 | .875 (22.23) | 1.144 (29.06) | 1 | 2.025 (51.44) | 2.230 (56.64) | |
| 21 | | N/A | 28 | N/A | N/A | 16 | .625 (15.88) | .937 (23.80) | 1 | 2.550 (64.77) | 2.000 (50.8) | | | |
| 22 | | | | | | 24 | 1.000 (25.40) | 1.375 (34.93) | 1 | 2.195 (55.75) | 2.024 (51.41) | | | |
| 23 | | | | | | 32 | N/A | N/A | 16 | .625 (15.88) | .937 (23.80) | 1 | 2.800 (71.12) | 2.000 (50.8) |
| 24 | | | | | | | | | 20 | .875 (22.23) | 1.250 (31.75) | 1 | 2.800 (71.12) | 2.230 (56.64) |
| 25 | | | | | | | | | 28 | 1.250 (31.75) | 1.625 (41.28) | 1 | 2.445 (62.10) | 2.550 (64.77) |
| 26 | | | | | | | | | 36 | N/A | N/A | 16 | .625 (15.88) | .937 (23.80) |
| 27 | | | 24 | 1.000 (25.40) | 1.375 (34.93) | 1 | 2.770 (70.36) | 2.024 (51.41) | | | | | | |
| 28 | | | 32 | 1.437 (36.50) | 1.840 (46.74) | 1 | 2.415 (61.34) | 2.600 (66.04) | | | | | | |
| 29 | | | 40 | N/A | N/A | 16 | .625 (15.88) | .937 (23.80) | | | | 1 | 2.770 (70.36) | 2.000 (50.8) |
| 30 | | | | | | 24 | 1.000 (25.40) | 1.375 (34.93) | 1 | 2.770 (70.36) | 2.024 (51.41) | | | |
| 31 | | 32 | | | | 1.437 (36.50) | 1.875 (47.63) | 1 | 2.415 (61.34) | 2.600 (66.04) | | | | |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | D DIA MAX | E ±.125 | V THREAD CLASS 2A | F MAX | G DIA MAX | H MAX |
|----------|---------------|---------------|-------------------|---------------|-----------|---------------|
| 17 | 1.468 (37.29) | 1.166 (29.62) | 1.1875-18 UNEF | 2.11 (53.59) | — | 2.50 (63.50) |
| 18 | 1.468 (37.29) | 1.166 (29.62) | 1.750-18 UNS | 2.29 (58.17) | — | 2.68 (68.07) |
| 19 | 1.593 (40.46) | 1.166 (29.62) | 1.1875-18 UNEF | 2.11 (53.59) | — | 2.50 (63.50) |
| 20 | 1.593 (40.46) | 1.166 (29.62) | 1.750-18 UNS | 2.29 (58.17) | — | 2.68 (68.07) |
| 21 | 1.969 (50.01) | 1.266 (32.16) | 1.4375-18 UNEF | 2.33 (59.18) | — | 2.88 (73.15) |
| 22 | 1.969 (50.01) | 1.266 (32.16) | 2.000-18 UNS | 2.51 (63.75) | — | 3.06 (77.72) |
| 23 | 2.219 (56.36) | 1.616 (41.05) | 1.4375-18 UNEF | 2.81 (71.37) | — | 3.36 (85.34) |
| 24 | 2.219 (56.36) | 1.616 (41.05) | 1.750-18 UNS | 2.81 (71.37) | — | 3.36 (85.34) |
| 25 | 2.219 (56.36) | 1.616 (41.05) | 2.250-16 UN | 3.07 (77.98) | — | 3.62 (91.95) |
| 26 | 2.469 (62.71) | 1.816 (46.13) | 1.4375-18 UNEF | 3.13 (79.50) | — | 3.68 (93.47) |
| 27 | 2.469 (62.71) | 1.816 (46.13) | 2.000-18 UNS | 3.13 (79.50) | — | 3.68 (93.47) |
| 28 | 2.469 (62.71) | 1.816 (46.13) | 2.500-16 UN | 3.39 (86.11) | — | 3.94 (100.08) |
| 29 | 2.719 (69.06) | 2.566 (65.18) | 1.4375-18 UNEF | 3.88 (98.55) | — | 4.43 (112.52) |
| 30 | 2.719 (69.06) | 2.566 (65.18) | 2.000-18 UNS | 3.88 (98.55) | — | 4.43 (112.52) |
| 31 | 2.719 (69.06) | 2.566 (65.18) | 2.500-16 UN | 4.14 (105.16) | — | 4.69 (119.13) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | CONNECTOR SHELL SIZE | | | | CLAMP SIZE | A (SEE NOTE 6) | | STYLE | B ±.125 | C REF |
|----------|----------------------|------------------------|---------------|--------------------------|---------------|---------------------------------|---------------|---------------|---------------|---------------|
| | AS81703 SERIES 3 | MIL-DTL-26482 SERIES 2 | AS50151 CRIMP | MIL-DTL-83723 SERIES III | | WIRE BUNDLE ACCOMMODATION RANGE | | | | |
| | | | | | | MIN | MAX | | | |
| 32 | N/A | N/A | 44 | N/A | 16 | .625 (15.88) | .937 (23.80) | 1 | 2.770 (70.36) | 2.000 (50.8) |
| 33 | | | | | 24 | 1.000 (25.40) | 1.375 (34.93) | 1 | 2.770 (70.36) | 2.024 (51.41) |
| 34 | | | | | 32 | 1.437 (36.50) | 1.875 (47.63) | 1 | 2.415 (61.34) | 2.600 (66.04) |
| 35 | | | 16 | | .625 (15.88) | .937 (23.80) | 1 | 2.770 (70.36) | 2.000 (50.8) | |
| 36 | | | 24 | | 1.000 (25.40) | 1.375 (34.93) | 1 | 2.770 (70.36) | 2.024 (51.41) | |
| 37 | | | 32 | | 1.437 (36.50) | 1.875 (47.63) | 1 | 2.415 (61.34) | 2.600 (66.04) | |
| 38 | | | 61 | | N/A | N/A | 12 | .500 (12.70) | .750 (19.05) | 1 |
| 39 | 20 | .875 (22.23) | | 1.184 (30.07) | | | 1 | 2.025 (51.44) | 2.230 (56.64) | |
| 40 | 19 | 16 | | 16, 16S | | | 16 | 10 | .350 (8.89) | .625 (15.88) |
| 41 | 27 | 18 | 18 | 18 | 4 | .125 (3.18) | .312 (7.92) | 1 | 2.270 (57.66) | 1.544 (39.22) |
| 42 | | | | | 6 | .250 (6.35) | .437 (11.10) | 1 | 2.270 (57.66) | 1.544 (39.22) |
| 43 | 37 | 20 | 20 | 20 | 6 | .250 (6.35) | .437 (11.10) | 1 | 2.270 (57.66) | 1.544 (39.22) |
| 44 | N/A | 22 | 22 | 22 | 4 | .125 (3.18) | .312 (7.92) | 1 | 2.380 (60.45) | 1.544 (39.22) |
| 45 | | | | | 6 | .250 (6.35) | .437 (11.10) | 1 | 2.380 (60.45) | 1.544 (39.22) |
| 46 | | | | | 24 | 24 | 24 | 10 | .350 (8.89) | .625 (15.88) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | D DIA MAX | E ±.125 | V THREAD CLASS 2A | F MAX | G DIA MAX | H MAX |
|----------|---------------|---------------|-------------------|---------------|-----------|---------------|
| 32 | 2.969 (75.41) | 2.566 (65.18) | 1.4375-18 UNEF | 3.88 (98.55) | – | 4.43 (112.52) |
| 33 | 2.969 (75.41) | 2.566 (65.18) | 2.000-18 UNS | 3.88 (98.55) | – | 4.43 (112.52) |
| 34 | 2.969 (75.41) | 2.566 (65.18) | 2.500-16 UN | 4.14 (105.16) | – | 4.69 (119.13) |
| 35 | 3.219 (81.76) | 2.566 (65.18) | 1.4375-18 UNEF | 3.88 (98.55) | – | 4.43 (112.52) |
| 36 | 3.219 (81.76) | 2.566 (65.18) | 2.000-18 UNS | 3.88 (98.55) | – | 4.43 (112.52) |
| 37 | 3.219 (81.76) | 2.566 (65.18) | 2.500-16 UN | 4.14 (105.16) | – | 4.69 (119.13) |
| 38 | 1.653 (41.99) | 1.166 (29.62) | 1.1875-18 UNEF | 2.11 (53.59) | – | 2.50 (63.50) |
| 39 | 1.653 (41.99) | 1.166 (29.62) | 1.750-18 UNS | 2.29 (58.17) | – | 2.68 (68.07) |
| 40 | 1.112 (28.24) | .926 (23.52) | 1.000-20 UNEF | 1.66 (42.16) | – | 2.05 (52.07) |
| 41 | 1.218 (30.94) | 1.016 (25.81) | .625-24 UNEF | 1.80 (45.72) | – | 2.19 (55.63) |
| 42 | 1.218 (30.94) | 1.016 (25.81) | .750-20 UNEF | 1.80 (45.72) | – | 2.19 (55.63) |
| 43 | 1.345 (34.16) | 1.016 (25.81) | .750-20 UNEF | 1.80 (45.72) | – | 2.19 (55.63) |
| 44 | 1.468 (37.29) | 1.166 (29.62) | .625-24 UNEF | 2.11 (53.59) | – | 2.50 (63.50) |
| 45 | 1.468 (37.29) | 1.166 (29.62) | .750-20 UNEF | 2.11 (53.59) | – | 2.50 (63.50) |
| 46 | 1.593 (40.46) | 1.166 (29.62) | 1.000-20 UNEF | 2.11 (53.59) | – | 2.50 (63.50) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | CONNECTOR SHELL SIZE | | | | CLAMP SIZE | A (SEE NOTE 6) | | STYLE | B ±.125 | C REF | | | |
|----------|----------------------|------------------------|---------------|--------------------------|------------|---------------------------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|
| | AS81703 SERIES 3 | MIL-DTL-26482 SERIES 2 | AS50151 CRIMP | MIL-DTL-83723 SERIES III | | WIRE BUNDLE ACCOMMODATION RANGE | | | | | | | |
| | | | | | | MIN | MAX | | | | | | |
| 47 | N/A | N/A | 36 | N/A | 12 | .500 (12.70) | .750 (19.05) | 1 | 2.770 (70.36) | 1.916 (48.67) | | | |
| 48 | | | 40 | | 12 | .500 (12.70) | .750 (19.05) | 1 | 2.770 (70.36) | 1.916 (48.67) | | | |
| 49 | | | 10 | | 10S, 10SL | 10 | .250 (6.35) | .437 (11.10) | 2 | 1.940 (49.28) | 1.544 (39.22) | | |
| 50 | 12 | 14 | 14, 14S | 14 | 12 | .500 (12.70) | .750 (19.05) | 2 | 2.270 (57.66) | 1.916 (48.67) | | | |
| 51 | 19 | 16 | 16, 16S | 16 | 16 | .625 (15.88) | .937 (23.80) | 2 | 2.380 (60.45) | 2.000 (50.8) | | | |
| 52 | 27 | 18 | 18 | 18 | 12 | .500 (12.70) | .750 (19.05) | 1 | 2.270 (57.66) | 1.916 (48.67) | | | |
| 53 | 61 | N/A | N/A | N/A | 16 | .625 (15.88) | .937 (23.80) | 1 | 2.025 (51.44) | 2.000 (50.8) | | | |
| 54 | 37 | 20 | 20 | 20 | 12 | .500 (12.70) | .750 (19.05) | 1 | 2.270 (57.66) | 1.916 (48.67) | | | |
| 55 | | | | | 20 | .875 (22.23) | 1.250 (31.75) | 2 | 2.550 (64.77) | 2.230 (56.64) | | | |
| 56 | | | | | 10 | .350 (8.89) | .625 (15.88) | 1 | 2.380 (60.45) | 1.844 (46.84) | | | |
| 57 | N/A | 22 | 22 | 22 | 16 | .625 (15.88) | .937 (23.80) | 1 | 2.380 (60.45) | 2.000 (50.8) | | | |
| 58 | | | | | 20 | .875 (22.23) | 1.250 (31.75) | 2 | 2.550 (64.77) | 2.230 (56.64) | | | |
| 59 | | | | | 24 | 24 | 24 | 16 | .625 (15.88) | .937 (23.80) | 1 | 2.380 (60.45) | 2.000 (50.8) |
| 60 | | | | | N/A | 28 | N/A | 12 | .500 (12.70) | .750 (19.05) | 1 | 2.550 (64.77) | 1.916 (48.67) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | D DIA MAX | E ±.125 | V THREAD CLASS 2A | F MAX | G DIA MAX | H MAX |
|----------|---------------|---------------|-------------------|--------------|---------------|---------------|
| 47 | 2.469 (62.71) | 1.816 (46.13) | 1.1875-18 UNEF | 3.13 (79.50) | – | 3.68 (93.47) |
| 48 | 2.719 (69.06) | 1.816 (46.13) | 1.1875-18 UNEF | 3.88 (98.55) | – | 4.43 (112.52) |
| 49 | .734 (18.64) | 1.391 (35.33) | .750-20 UNEF | 2.03 (51.56) | .858 (21.79) | 2.42 (61.47) |
| 50 | .984 (24.99) | 1.766 (44.86) | 1.1875-18 UNEF | 2.61 (66.29) | 1.218 (30.94) | 3.00 (76.20) |
| 51 | 1.112 (28.24) | 1.916 (48.67) | 1.4375-18 UNEF | 2.87 (72.90) | 1.468 (37.29) | 3.26 (82.80) |
| 52 | 1.218 (30.94) | 1.016 (25.81) | 1.1875-18 UNEF | 1.86 (47.24) | – | 2.25 (57.15) |
| 53 | 1.653 (41.99) | 1.166 (29.62) | 1.4375-18 UNEF | 2.14 (54.36) | – | 2.53 (64.26) |
| 54 | 1.345 (34.16) | 1.016 (25.81) | 1.1875-18 UNEF | 1.86 (47.24) | – | 2.25 (57.15) |
| 55 | 1.345 (34.16) | 2.016 (51.21) | 1.750-18 UNS | 3.14 (79.76) | 1.969 (50.01) | 3.53 (89.66) |
| 56 | 1.468 (37.29) | 1.166 (29.62) | 1.000-20 UNEF | 2.11 (53.59) | – | 2.50 (63.50) |
| 57 | 1.468 (37.29) | 1.166 (29.62) | 1.4375-18 UNEF | 2.12 (53.85) | – | 2.51 (63.75) |
| 58 | 1.468 (37.29) | 2.016 (51.21) | 1.750-18 UNS | 3.14 (79.76) | 1.969 (50.01) | 3.53 (89.66) |
| 59 | 1.593 (40.46) | 1.166 (29.62) | 1.4375-18 UNEF | 2.14 (54.36) | – | 2.53 (64.26) |
| 60 | 1.969 (50.01) | 1.266 (32.16) | 1.1875-18 UNEF | 2.33 (59.18) | – | 2.88 (73.15) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | CONNECTOR SHELL SIZE | | | | CLAMP SIZE | A (SEE NOTE 6) | | STYLE | B ±.125 | C REF |
|----------|----------------------|------------------------|---------------|--------------------------|------------|---------------------------------|---------------|-------|---------------|---------------|
| | AS81703 SERIES 3 | MIL-DTL-26482 SERIES 2 | AS50151 CRIMP | MIL-DTL-83723 SERIES III | | WIRE BUNDLE ACCOMMODATION RANGE | | | | |
| | | | | | | MIN | MAX | | | |
| 61 | N/A | N/A | N/A | N/A | 20 | .875 (22.23) | 1.250 (31.75) | 1 | 2.550 (64.77) | 2.230 (56.64) |
| 62 | | | | | 24 | 1.000 (25.40) | 1.375 (34.93) | 1 | 2.800 (71.12) | 2.024 (51.41) |
| 63 | | | | | 20 | .875 (22.23) | 1.250 (31.75) | 1 | 2.770 (70.36) | 2.230 (56.64) |
| 64 | | | | | 28 | 1.250 (31.75) | 1.625 (41.28) | 1 | 2.770 (70.36) | 2.550 (64.77) |
| 65 | | | | | 20 | .875 (22.23) | 1.250 (31.75) | 1 | 2.770 (70.36) | 2.230 (56.64) |
| 66 | | | | | 28 | 1.250 (31.75) | 1.625 (41.28) | 1 | 2.770 (70.36) | 2.550 (64.77) |
| 67 | | | | | 20 | .875 (22.23) | 1.250 (31.75) | 1 | 2.770 (70.36) | 2.230 (56.64) |
| 68 | | | | | 28 | 1.250 (31.75) | 1.625 (41.28) | 1 | 2.770 (70.36) | 2.550 (64.77) |
| 69 | | | | | 20 | .875 (22.23) | 1.250 (31.75) | 1 | 2.770 (70.36) | 2.230 (56.64) |
| 70 | | | | | 28 | 1.250 (31.75) | 1.625 (41.28) | 1 | 2.770 (70.36) | 2.550 (64.77) |
| 71 | 7 | 12 | 12, 12S | 12 | 10 | .350 (8.89) | .625 (15.88) | 2 | 2.100 (53.34) | 1.844 (46.84) |
| 72 | 27 | 18 | 18 | 18 | 16 | .625 (15.88) | .937 (23.80) | 2 | 2.380 (60.45) | 2.000 (50.8) |
| 73 | N/A | 24 | 24 | 24 | 20 | .875 (22.23) | 1.250 (31.75) | 2 | 2.550 (64.77) | 2.230 (56.64) |
| 74 | 12 | 14 | 14, 14S | 14 | 4 | .125 (3.18) | .312 (7.92) | 1 | 2.010 (51.05) | 1.544 (39.22) |
| 75 | 19 | 16 | 16, 16S | 16 | 4 | .125 (3.18) | .312 (7.92) | 1 | 2.100 (53.34) | 1.544 (39.22) |

TABLE 1 - DIMENSIONS (CONTINUED)

| DASH NO. | D DIA MAX | E ±.125 | V THREAD CLASS 2A | F MAX | G DIA MAX | H MAX |
|----------|---------------|---------------|-------------------|---------------|---------------|---------------|
| 61 | 1.969 (50.01) | 1.266 (32.16) | 1.750-18 UNS | 2.39 (60.71) | – | 2.94 (74.68) |
| 62 | 2.219 (56.36) | 1.616 (41.05) | 2.000-18 UNS | 2.86 (72.64) | – | 3.41 (86.61) |
| 63 | 2.469 (62.71) | 1.816 (46.13) | 1.750-18 UNS | 3.13 (79.50) | – | 3.68 (93.47) |
| 64 | 2.469 (62.71) | 1.816 (46.13) | 2.250-16 UN | 3.27 (83.06) | – | 3.82 (97.03) |
| 65 | 2.719 (69.06) | 2.566 (65.18) | 1.750-18 UNS | 3.88 (98.55) | – | 4.43 (112.52) |
| 66 | 2.719 (69.06) | 2.566 (65.18) | 2.250-16 UN | 4.02 (102.11) | – | 4.57 (116.08) |
| 67 | 2.969 (75.41) | 2.566 (65.18) | 1.750-18 UNS | 3.88 (98.55) | – | 4.43 (112.52) |
| 68 | 2.969 (75.41) | 2.566 (65.18) | 2.250-16 UN | 4.02 (102.11) | – | 4.57 (116.08) |
| 69 | 3.219 (81.76) | 2.566 (65.18) | 1.750-18 UNS | 3.88 (98.55) | – | 4.43 (112.52) |
| 70 | 3.219 (81.76) | 2.566 (65.18) | 2.250-16 UN | 4.02 (102.11) | – | 4.57 (116.08) |
| 71 | .858 (21.79) | 1.686 (42.82) | 1.000-20 UNEF | 2.42 (61.47) | 1.112 (28.24) | 2.81 (71.37) |
| 72 | 1.218 (30.94) | 1.926 (48.92) | 1.4375-18 UNEF | 2.88 (73.15) | 1.468 (37.29) | 3.27 (83.06) |
| 73 | 1.593 (40.46) | 2.026 (51.46) | 1.750-18 UNS | 3.15 (80.01) | 1.969 (50.01) | 3.54 (89.92) |
| 74 | .984 (24.99) | .741 (18.82) | .625-24 UNEF | 1.31 (33.27) | – | 1.70 (43.18) |
| 75 | 1.112 (28.24) | .926 (23.52) | .625-24 UNEF | 1.59 (40.39) | – | 1.98 (50.29) |

NOTES:

1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
3. MILLIMETERS ARE IN PARENTHESES.
4. UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE: .XX = ±.01; .XXX ±.005; ANGULAR; X DEGREES = ± 1°; X DEGREES XX' = ±0 DEGREES 30 MINUTES.
5. LOOSELY ASSEMBLED IS DEFINED AS THE AS85049/42 CLAMP TIGHTENED TO THE AS85049/8 CONNECTOR ACCESSORY BODY A MINIMUM OF TWO FULL THREAD LENGTHS.
6. "WIRE BUNDLE ACCOMMODATION RANGE" IS DEFINED AS THE ENVELOPE AREA FOR THE WIRE BUNDLE. THIS DIMENSION IS NOT MEANT TO DEFINE THE CLAMP HARDWARE LIMITS.

REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:
 - a. DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.
 - b. INTERFACE DIMENSIONS SHALL CONFORM TO SAE AS85049 FIGURE 4 OR 4A.
 - c. FIGURE 1 CONSISTS OF A COUPLING NUT AND FOLLOWER. THE COUPLING NUT SHALL BE CAPTIVATED TO AND FREE TO ROTATE ON THE FOLLOWER.