

TABLE I - BACKSHELL INTERFACE DIMENSIONS

| CONNECTOR DESIGNATOR | | | | | | | | | | | A THREAD* | B | C | D | E |
|----------------------|----|----|----|---------|--------|--------|--------|---------|----|----|------------------|--------------|--------------|--------------|--------------|
| A | C* | D | E | F | G | H | J | K | L | S | REFERENCE | DIA MAX | DIA MAX | DIA MAX | DIA MAX |
| | | 08 | 08 | 08 [9] | | | | 08 | 08 | 08 | 7/16 - 28 UNEF | .590 (15.) | .650 (16.5) | .770 (19.6) | .690 (17.5) |
| | | | | | | 09 [A] | | | | | M12 x 1 - 6H | .650 (16.5) | .770 (19.6) | | .940 (24.8) |
| 08 | | | | | | | 08 [A] | 10 | | | 1/2 - 20 UNF | .650 (16.5) | .650 (16.5) | | .690 (17.5) |
| | | | | | | | | | | | 1/2 - 28 UNEF | .650 (16.5) | .770 (19.6) | .770 (19.6) | |
| 03 | | 10 | 10 | 10 [11] | | | | 11 | 10 | 10 | 9/16 - 24 UNEF | .720 (18.3) | .770 (19.6) | .890 (22.6) | .820 (20.8) |
| | | | | | | 11 [B] | | | | | M15 x 1 - 6H | .770 (19.6) | .820 (20.8) | | 1.060 (26.9) |
| 10 | | | | | | | | 12 [13] | | | 5/8 - 24 UNEF | .770 (19.6) | .770 (19.6) | .890 (22.6) | .820 (20.8) |
| | | | | | | | | 10 [B] | | | 5/8 - 28 UN | .770 (19.6) | .890 (22.6) | | |
| | | 12 | | 12 [13] | | | | | 12 | 12 | 11/16 - 24 UNEF | .840 (21.3) | .890 (22.6) | 1.020 (25.9) | .940 (23.8) |
| | | | | | | 13 [C] | | | | | M18 x 1 - 6H | .890 (22.6) | .940 (23.9) | | 1.170 (29.7) |
| 12 [7] | 12 | | 12 | | 11 [A] | | | 14 [15] | | | 3/4 - 20 UNEF | .970 (24.6) | .940 (23.9) | 1.020 (25.9) | .940 (23.8) |
| | | 14 | 14 | 14 [15] | | | | | 14 | 14 | 13/16 - 20 UNEF | .970 (24.6) | 1.020 (29.2) | 1.150 (29.2) | 1.060 (26.9) |
| | | | | | | 15 [D] | | | | | M22 x 1 - 6H | 1.030 (26.2) | 1.070 (26.2) | | 1.290 (32.7) |
| 14 [12] | 14 | | | | 13 [B] | | | 16 [17] | | | 7/8 - 20 UNEF | 1.090 (27.7) | 1.020 (25.9) | 1.150 (29.2) | 1.060 (26.9) |
| | | | | | | | | 14 [D] | | | 7/8 - 28 UN | 1.030 (26.2) | 1.150 (29.2) | | |
| | | 16 | 16 | 16 [17] | | | | | 16 | 16 | 15/16 - 20 UNEF | 1.090 (27.7) | 1.150 (29.2) | 1.260 (32.0) | 1.170 (29.7) |
| | | | | | | 17 [E] | | | | | M25 x 1 - 6H | 1.150 (29.2) | 1.210 (30.7) | | 1.420 (36.1) |
| 16 [19] | 16 | | | | 15 [C] | | | 18 | | | 1 - 20 UNEF | 1.220 (29.2) | 1.210 (30.7) | 1.230 (31.2) | 1.170 (29.7) |
| | | | | | | | | 16 [E] | | | 1 - 28 UN | 1.150 (29.2) | 1.360 (34.5) | | |
| 18 [27] | | 18 | 18 | 18 [19] | | | | | 18 | 18 | 1 1/16 - 18 UNEF | 1.220 (31.0) | 1.230 (31.2) | 1.400 (35.6) | 1.290 (32.7) |
| | | | | | | 19 [F] | | | | | M28 x 1 - 6H | 1.280 (32.5) | 1.360 (34.5) | | 1.540 (39.1) |
| | 18 | | | | 17 [D] | | | 20 | | | 1 1/8 - 18 UNEF | 1.340 (34.0) | 1.360 (34.5) | 1.360 (34.5) | |
| | | | | | | | | 18 [F] | | | 1 1/8 - 28 UN | 1.280 (32.5) | 1.480 (37.6) | | |
| 20 [37] | | 20 | 20 | 20 [21] | | | | | 20 | 20 | 1 3/16 - 18 UNEF | 1.340 (34.0) | 1.360 (34.5) | 1.530 (38.9) | 1.420 (36.0) |
| | | | | | | 21 [G] | | | | | M31 x 1 - 6H | 1.410 (35.8) | 1.480 (37.6) | | 1.670 (42.4) |
| | 20 | | | | 19 [E] | | | 22 | | | 1 1/4 - 18 UNEF | 1.470 (37.3) | 1.530 (38.9) | 1.480 (37.6) | |
| | | | | | | | | 20 [G] | | | 1 1/4 - 28 UN | 1.410 (35.8) | 1.600 (40.6) | | |
| 22 | | 22 | 22 | 22 [23] | | | | | 22 | 22 | 1 5/16 - 18 UNEF | 1.470 (37.3) | 1.480 (37.6) | 1.600 (40.6) | 1.540 (39.1) |
| | | | | | | 23 [H] | | | | | M34 x 1 - 6H | 1.530 (38.9) | 1.600 (40.6) | | 2.010 (51.1) |
| | 22 | | | | | | | 24 | | | 1 3/8 - 18 UNEF | 1.590 (40.4) | | 1.600 (40.6) | |
| | | | | | | | | 22 [H] | | | 1 3/8 - 28 UN | 1.530 (38.9) | 1.730 (43.9) | | |
| 24 | | 24 | 24 | 24 [25] | 23 [F] | | | | 24 | 24 | 1 7/16 - 18 UNEF | 1.590 (40.4) | 1.730 (43.9) | 1.940 (49.3) | 1.660 (42.2) |
| | | | | | | 25 [J] | | | | | M37 x 1 - 6H | 1.660 (42.2) | 1.700 (43.2) | | 2.120 (53.8) |
| 61 | | | | | | | | 24 [J] | | | 1 1/2 - 18 UNEF | 1.660 (42.2) | 1.670 (42.4) | | |
| | | | | | | | | | | | 1 1/2 - 28 UN | 1.660 (42.2) | 1.940 (49.3) | | |
| | | | | | 25 [G] | | | | | | 1 9/16 - UNEF | | 1.820 (46.2) | | |
| | 24 | | | | | | | 28 | | | 1 5/8 - UNEF | 1.840 (46.7) | | 1.940 (49.3) | |
| 28 | | | | | | | | | | | 1 3/4 - 18 UNS | 1.970 (50.0) | 1.970 (50.0) | | 2.010 (51.1) |
| | 28 | | | | 29 [H] | | | 32 | | | 1 7/8 - 16 UN | 2.090 (53.1) | 2.190 (55.6) | 2.190 (55.6) | |
| 32 | | | | | | | | | | | 2 - 18 UNS | 2.280 (57.9) | 2.220 (56.4) | | 2.260 (57.4) |
| | 32 | | | | 33 [J] | | | | | | 2 1/16 - 16 UNS | 2.340 (59.4) | 2.440 (62.0) | 2.440 (62.0) | |
| | | | | | | | | 36 | | | 2 1/8 - 16 UN | 2.340 (59.4) | | 2.440 (62.0) | |
| 36 | | | | | | | | | | | 2 1/4 - 16 UN | 2.530 (64.3) | 2.47 (62.7) | | 2.530 (64.3) |
| | 36 | | | | | | | | | | 2 5/16 - 16 UNS | 2.590 (65.8) | | 2.690 (68.3) | |
| | | | | | | | | 40 | | | 2 3/8 - 16 UN | 2.590 (65.8) | | 2.690 (68.3) | |
| 40 | | | | | | | | | | | 2 1/2 - 16 UN | 2.780 (70.6) | 2.720 (69.1) | | 3.040 (77.2) |
| | 40 | | | | | | | | | | 2 5/8 - 16 UN | 2.910 (73.9) | | 2.930 (74.4) | |
| 44 | | | | | | | | | | | 2 3/4 - 16 UN | 3.030 (77.0) | 2.970 (75.4) | | |
| | 44 | | | | | | | | | | 2 7/8 - 16 UN | 3.160 (80.3) | | | |
| 48 | | | | | | | | | | | 3 - 16 UN | 3.220 (81.8) | 3.220 (81.8) | | |
| | 48 | | | | | | | | | | 3 1/16 - 16 UN | 3.410 (86.6) | | | |

* Code C, MIL-C-22992, Left-Hand Thread. Connector designations depicted thus [] are for reference only and are not to be used in part number development.

BACKSHELL INTERFACE STANDARDS (See pages 15-17 for more information)

| DESIG. SPEC. | SERIES | DESIG. SPEC. | SERIES | DESIG. SPEC. | SERIES | DESIG. SPEC. | SERIES |
|--------------|-----------------------|--------------|------------------------|--------------|-------------------------|--------------|------------|
| A | MIL-DTL-5015 MS3400 | A | PATT 602 | G | MIL-C-28840 | L | EN3372 |
| | MIL-DTL-26482 2 | B | MIL-DTL-5015 MS3100 | H | MIL-DTL-38999 III & IV | | JN 1003 |
| | AS81703 3 | C | MIL-C-22992 MS173XX | | EN3645 | | LN 29729 |
| | MIL-DTL-83723 I & III | D | MIL-DTL-26482 1 | J | MIL-C-81511 1, 2, 3 & 4 | | NFC93422 |
| | 40M39569 | E | MIL-DTL-26500 Aluminum | K | VG95329 | | PAN 6433-2 |
| | DEF 5326-3 | F | MIL-DTL-38999 I & II | | | | PATT 615 |
| | EN 2997, 3646 | | 40M38277 | | | | VG 96912 |
| | ESC 10, 11 | | PAN 6433-1 | | | S | PATT 105 |
| | LN 29504 | | PATT 614 | | | | PATT 603 |
| | NFC93422 HE302 | | PATT 616 | | | | PATT 608 |
| | PAN 6432-1, -2 | | NFC93422 HE308, 9 | | | | |