INCH-POUND

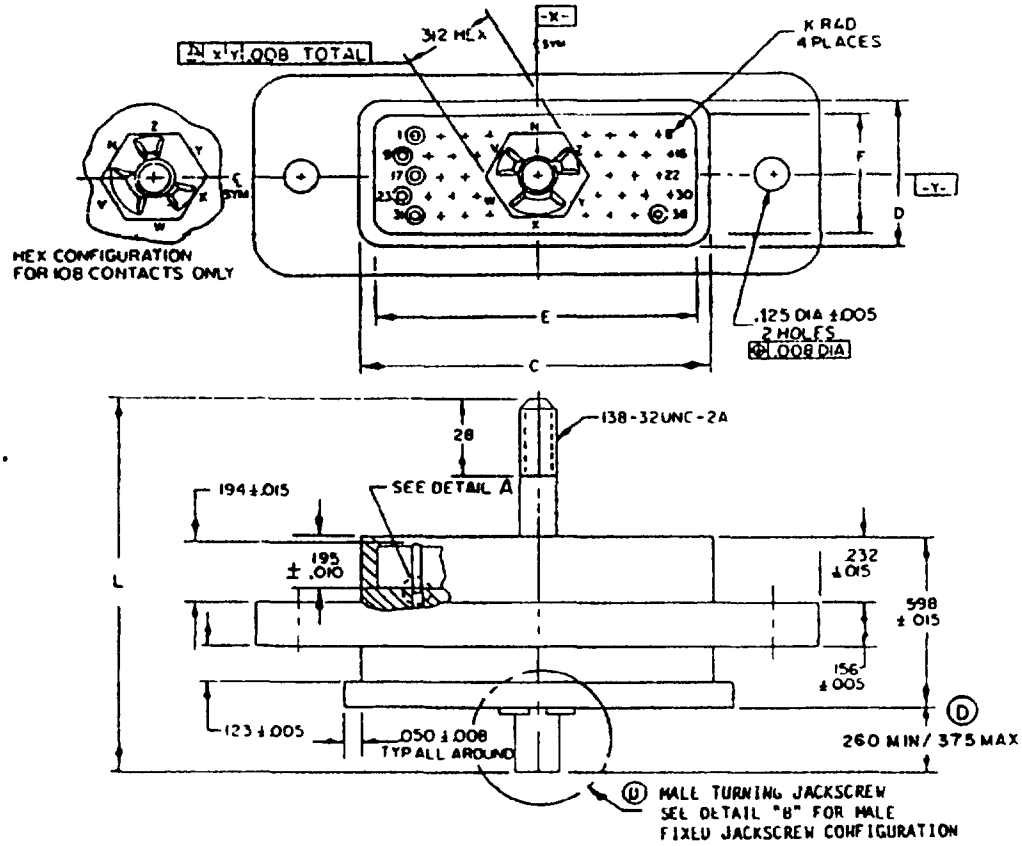
MIL-C-28804/20
12 April 1991
SUPERSEDING
MIL-C-28804/2C
21 July 1986

MILITARY SPECIFICATION SHEET

(D) CONNECTORS, PLUG ,ELECTRIC, RECTANGULAR, HIGH DENSITY, POLARIZED CENTER JACKSCREW, CRIMP REMOVABLE PIN CONTACTS, CLASS G

This specification is approved for use by all Departments and Agencies of the Department of Defense.

(D) The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-C-28804.

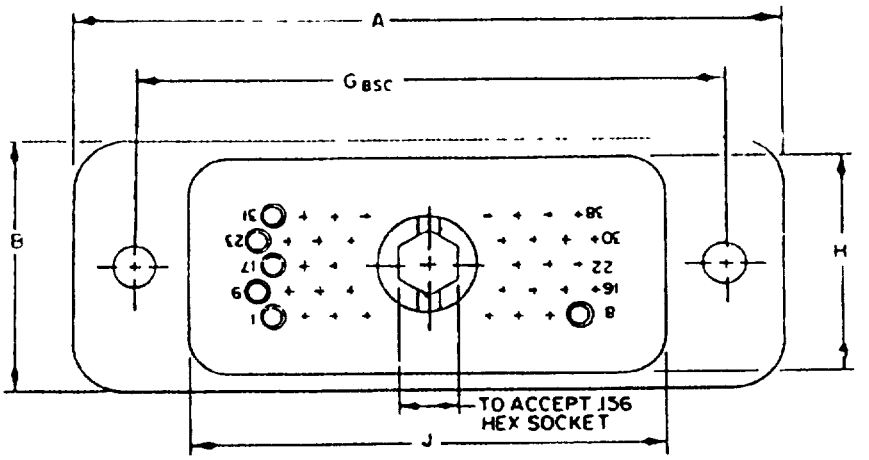


SEE PAGE 2 FOR BOTTOM VIEW

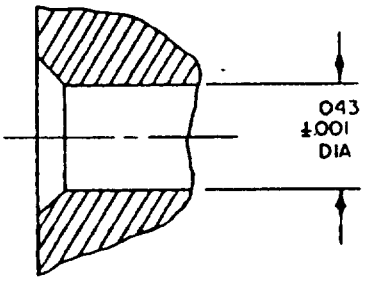
FIGURE 1. Connector, crimp removable pin contacts, class G.

(D) denotes changes.

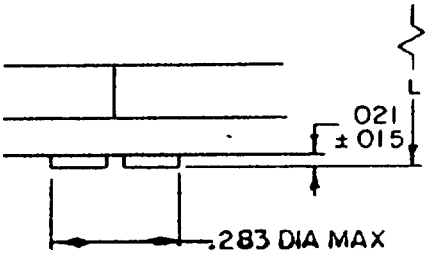
DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.



BOTTOM VIEW



DETAIL A



MALE FIXED JACKSCREW

(D) DETAIL B

Inches	mm
.001	0.03
.005	0.13
.008	0.20
.010	0.25
.015	0.38
.021	0.53
.043	1.09
.050	1.27
.123	3.12
.125	3.18
.138	3.51
.156	3.96
.194	4.93
.195	4.95
.232	5.89
.260	6.60
.283	7.19
.312	7.92
.375	9.52
.598	15.18

FIGURE 1. Connector, crimp removable pin contacts, class G - Continued

Dash no. (see notes 4 and 5)	Shell size	No of contacts	Insert arrangement no section (see note 6)	A ±.015 (0 38)	B ± 015 (0 38)	C ± 005 (0 12)	D ±.005 (0.12)	E ± 005 (0.12)	F ±.015 (0 38)	G BSC	H ±.008 (0 20)	J ±.008 (0.20)	K ± 015 (0.38)	L ± 025 (0 63)	Weight (max)(with contacts) grams
1	8	14	10 No.1	1 520 (38.60)	725 (18 41)	800 (20 32)	548 (13 91)	688 (17 47)	.436 (11.07)	1.200 (30 48)	.625 (15.87)	.888 (22.65)	.050 (1.27)	1.360 (34.54)	16 5
2	10	38	20 No.1	1 945 (49 40)	725 (18 41)	1 220 (30 98)	.548 (13 91)	1 108 (28 14)	436 (11 07)	1 625 (41.27)	625 (15.87)	1 308 (33.22)	.050 (1.27)	1 360 (34.54)	23 0
3	12	88	30 No.1	2 780 (70.61)	725 (18.41)	2 060 (52 32)	548 (13.91	1.948 (49.47)	436 (11.07)	2 460 (62.48)	.625 (15.87)	2.148 (54.55)	.050 (1.27)	1.360 (34.54)	28 5
4	14	108	40 No.1	1.990 (50.54)	1.077 (27.35)	1.444 (36.67)	897 (22.78)	1.332 (33.83)	.785 (19.93)	1.718 (43.63)	.977 (24.81)	1.532 (38.91)	.058 (1.47)	1.360 (34.54)	34 5
5	16	132	50 No.1	2.790 (70 86)	.902 (22 91)	2 068 (52.52)	732 (18.59)	1.956 (49.68)	.620 (15.74)	2 470 (62.73)	.802 (20 37)	2.156 (54.76)	.100 (2.54)	1.360 (34.54)	40 5
6	18	244	60 No 1	4.128 (104.85)	.902 (22 91)	3.410 (86.61)	.732 (18.59)	3.304 (83.92)	.630 (16.00)	3 808 (96.72)	.802 (20.37)	3.494 (88.74)	.100 (2.54)	1.360 (34.54)	46.0
7	8	14	10 No.1	1.520 (36.60)	.725 (18.41)	800 (20.32)	.548 (13.91)	688 (17.47)	436 (11.07)	1 200 (30.48)	.625 (15 87)	.888 (22.55)	.050 (1 27)	.898 (22.80)	16 5
8	10	38	20 No.1	1.945 (49.40)	.725 (18.41)	1.220 (30.98)	548 (13.91)	1 108 (28.14)	.436 (11.07)	1.625 (41.27)	.625 (15.87)	1.308 (33.22)	.050 (1.27)	.898 (22.80)	23 0
9	12	88	30 No.1	2.780 (70.61)	.725 (18 41)	2.060 (52.32)	.548 (13.91)	1.948 (49 47)	.436 (11.07)	2 460 (62 48)	.625 (15.87)	2.148 (54.55)	.050 (1 27)	.898 (22.80)	28 5
10	14	108	40 No.1	1.990 (50 54)	1.077 (27 35)	1.444 (36.67)	.897 (22.78)	1 332 (33.83)	.785 (19.93)	1 718 (43.63)	.977 (24.81)	1.532 (38.91)	.058 (1.47)	.898 (22.80)	34.5
11	16	132	50 No.1	2.790 (70.86)	.902 (22.91)	2 068 (52.52)	732 (18 59)	1.956 (49.68)	.620 (15 74)	2.470 (62 73)	802 (20.37)	2 156 (54.76)	.100 (2.54)	.898 (22.80)	40 5
12	18	244	60 No.1	4.128 (104 85)	.902 (22.91)	3.410 (86.61)	.732 (18 59)	3.304 (83.92)	.630 (16.00)	3 808 (96.72)	.802 (20 37)	3.494 (88.74)	.100 (2.54)	.898 (22.80)	46 0

NOTES.
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Millimeters are in parentheses.
4. Dash number shall include N, V, W, X, Y, or Z to indicate polarization
5. Dash numbers 1 through 6 are supplied with male turning jackscrews, dash numbers 7 through 12 are supplied with male fixed jackscrews.
6. For insert arrangements, see MIL-STD-1632.

Ⓓ FIGURE 1. Connector, crimp removable pin contacts, class G - Continued

REQUIREMENTS.

Dimensions and configuration. See figure 1.

Contacts. Shall be in accordance with MIL-C-28804/9.

Mating connectors: M28804/2-1 through -6 mates with M28804/1-1 through -6, M28804/3-1 through -6, M28804/5-1 through -6, M28804/7-1 through -6. M28804/2-7 through -12 mates with M28804/1-7 through -12, M28804/3-7 through -12, M28804/5-7 through -12, and M28804/7-7 through -12.

(D) Part or Identifying Number (PIN): M28804/2- (dash number from figure 1 and a suffix letter code to define polarization. See figure 1, note 4 herein, and MIL-C-28804.)

CONCLUDING MATERIAL

Custodians.
Army - CR
Navy - EC
Air Force - 85

Review activities:
Army - AT, MI
Navy - AS
Air Force - 85, 99
DLA - ES

User activities:
Army - AM, AR, ME
Navy - MC

Preparing activity:
Navy - EC

Agent:
DLA - ES

(Project 5935-3763-02)