

INCH-POUND

MIL-DTL-28804/4E

24 February 2020

SUPERSEDING

MIL-C-28804/4D

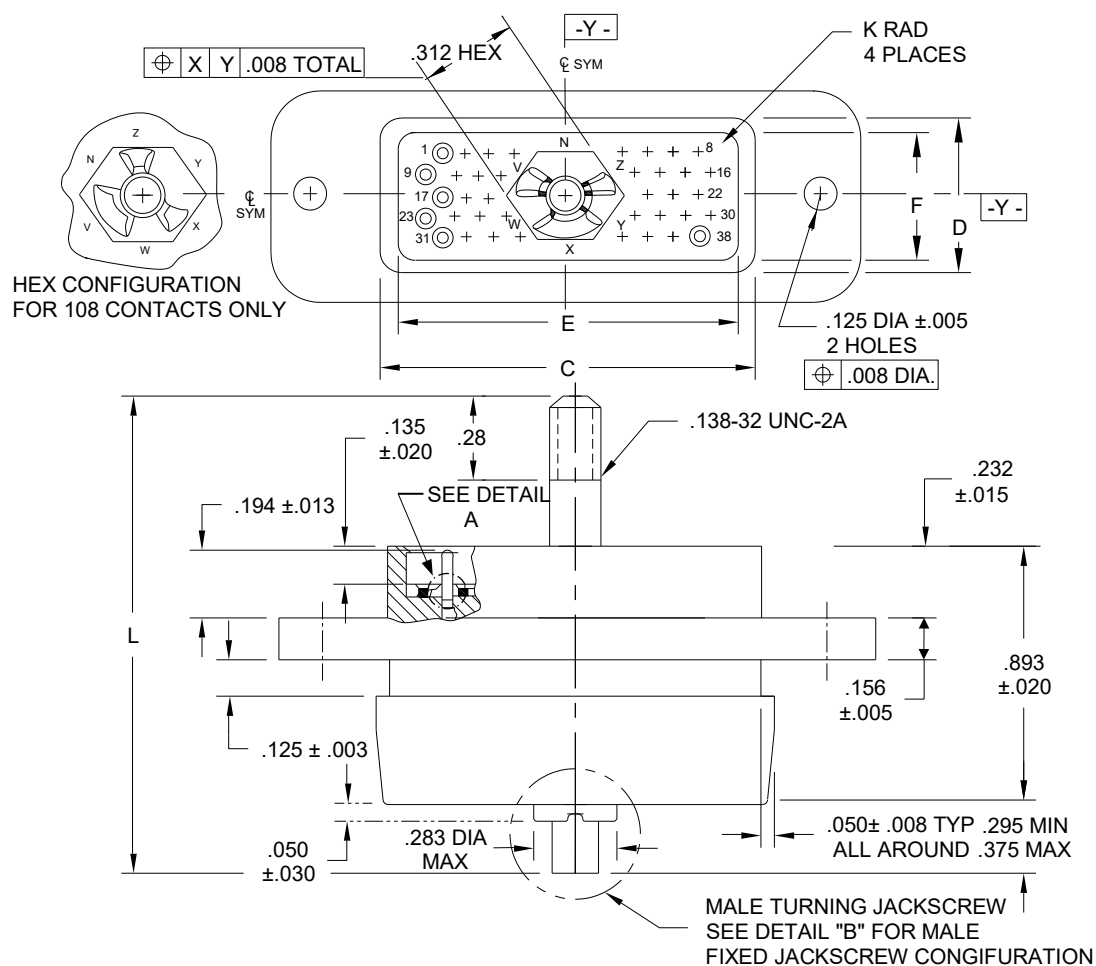
12 April 1991

MILITARY SPECIFICATION SHEET

CONNECTORS, PLUG, ELECTRIC, RECTANGULAR, HIGH DENSITY, POLARIZED CENTER JACKSCREW, CRIMP REMOVABLE PIN CONTACTS, CLASS E

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

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-28804.



SEE PAGE 2 FOR BOTTOM VIEW

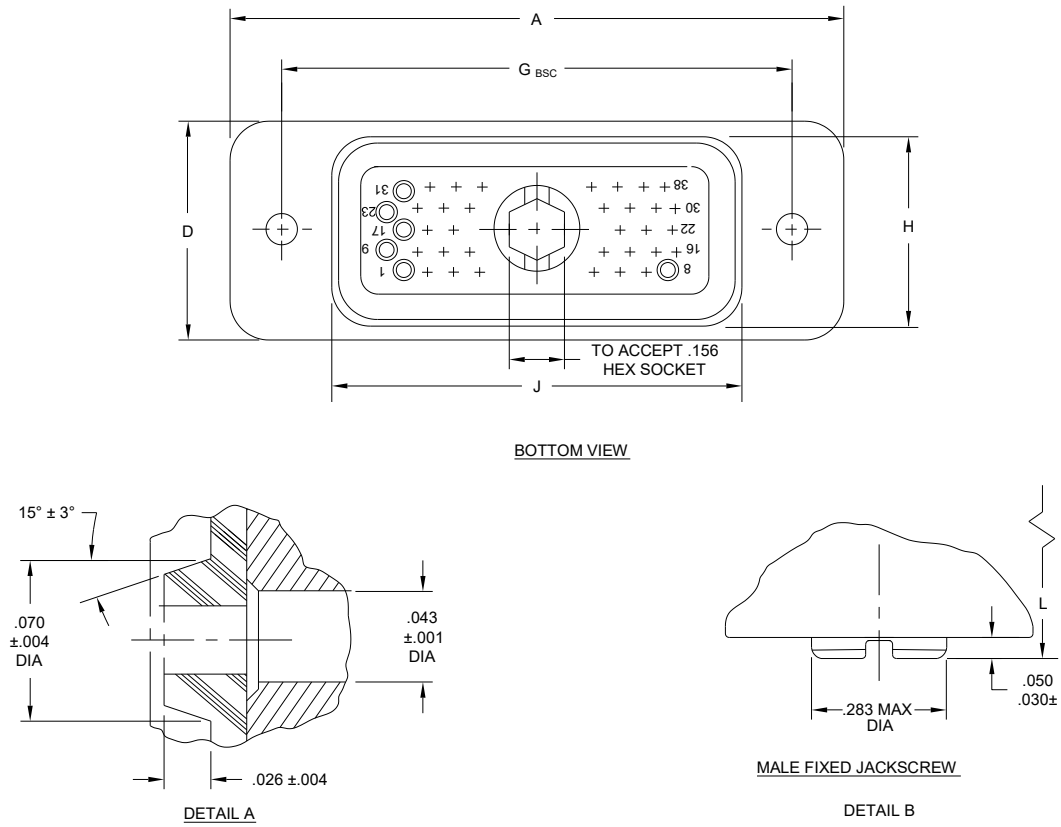
FIGURE 1. Connector, crimp removable pin contacts, class E.

AMSC N/A

FSC 5935



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Inches	mm	Inches	mm
.001	0.03	.125	3.18
.004	0.10	.135	3.43
.005	0.13	.138	3.51
.008	0.20	.156	3.96
.015	0.38	.194	4.93
.020	0.51	.232	5.89
.026	0.66	.283	7.19
.030	0.76	.295	7.49
.043	1.09	.312	7.92
.050	1.27	.375	9.53
.070	1.78	.893	22.68
.123	3.12		

FIGURE 1. Connector, crimp removable contacts, class E – Continued.

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Dash no. (see notes 4 and 5)	Shell size	No. of contacts	Insert arrangement no. section (see note 4)	A +.015 (0.38)	B +.015 (0.38)	C +.005 (0.13)	D +.005 (0.13)	E +.005 (0.13)	F +.015 (0.38)	G BSC	H +.008 (0.20)	J +.008 (0.20)	K +.015 (0.38)	L +.025 (0.64)	Weight (max) (with contacts) grams
1	8	14	10 No. 1	1.520 (38.61)	.725 (18.42)	.800 (20.32)	.548 (13.92)	.688 (17.48)	.436 (11.07)	1.200 (30.48)	.625 (15.88)	.888 (22.56)	.050 (1.27)	1.716 (43.59)	20.0
2	10	38	20 No. 1	1.945 (49.40)	.725 (18.42)	1.220 (30.99)	.548 (13.92)	1.108 (28.14)	.436 (11.07)	1.625 (41.27)	.625 (15.88)	1.308 (33.22)	.050 (1.27)	1.716 (43.59)	25.0
3	12	88	30 No. 1	2.780 (70.41)	.725 (18.42)	2.060 (53.32)	.548 (13.92)	1.948 (49.48)	.436 (11.07)	2.460 (62.48)	.625 (15.88)	2.148 (54.56)	.050 (1.27)	1.716 (43.59)	35.0
4	14	108	40 No. 1	1.990 (50.55)	1.077 (27.36)	1.444 (36.68)	.897 (22.78)	1.332 (33.83)	.785 (19.94)	1.718 (43.64)	.977 (24.82)	1.532 (38.91)	.058 (1.47)	1.716 (43.59)	43.0
5	16	132	50 No. 1	2.790 (70.87)	.902 (22.91)	2.068 (52.57)	.732 (18.59)	1.956 (49.68)	.620 (15.75)	2.470 (62.73)	.802 (20.37)	2.156 (54.76)	.100 (2.54)	1.716 (43.59)	51.0
6	18	244	60 No. 1	4.128 (104.85)	.902 (22.91)	3.410 (84.61)	.732 (18.59)	3.304 (83.92)	.630 (16.00)	3.808 (96.72)	.802 (20.37)	3.494 (88.75)	.100 (2.54)	1.716 (43.59)	70.0
7	8	14	10 No. 1	1.520 (38.61)	.725 (18.42)	.800 (20.32)	.548 (13.92)	.688 (17.48)	.436 (11.07)	1.200 (30.48)	.625 (15.88)	.888 (22.56)	.050 (1.27)	1.216 (30.89)	20.0
8	10	38	20 No. 1	1.945 (49.40)	.725 (18.42)	1.220 (30.99)	.548 (13.92)	1.108 (28.14)	.436 (11.07)	1.625 (41.27)	.625 (15.88)	1.308 (33.22)	.050 (1.27)	1.216 (30.89)	25.0
9	12	88	30 No. 1	2.780 (70.41)	.725 (18.42)	2.068 (52.57)	.548 (13.92)	1.948 (49.48)	.436 (11.07)	2.460 (62.48)	.625 (15.88)	2.148 (54.56)	.050 (1.27)	1.216 (30.89)	35.0
10	14	108	40 No. 1	1.990 (50.55)	1.077 (27.36)	1.444 (36.68)	.897 (22.78)	1.332 (33.83)	.785 (19.94)	1.718 (43.64)	.977 (24.82)	1.532 (38.91)	.058 (1.47)	1.216 (30.89)	43.0
11	16	132	50 No. 1	2.790 (70.87)	.902 (22.91)	2.068 (52.57)	.732 (18.59)	1.956 (49.68)	.620 (15.75)	2.470 (62.73)	.802 (20.37)	2.156 (54.76)	.100 (2.54)	1.216 (30.89)	51.0
12	18	244	60 No. 1	4.128 (104.85)	.902 (22.91)	3.410 (84.61)	.732 (18.59)	3.304 (83.92)	.630 (16.00)	3.808 (96.72)	.802 (20.37)	3.494 (88.75)	.10 (2.54)	1.216 (30.89)	73.0

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 E. Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

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

Mating connectors: M28804/4-1 through -6 mates with M28804/1-1 through -6, M28804/3-1 through -6, M28804/5-1 through -6, M28804/7-1 through -6. M28804/4-7 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.

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

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Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-28804, this document references the following:

MIL-DTL-28804/9
MIL-STD-1632

CONCLUDING MATERIAL

Custodians:

Army – CR
Navy – EC
Air Force – 85
DLA – CC

Preparing activity:

DLA – CC

Review activities:

Army – AR, AT, CR4, MI
Navy – AS, MC

(Project 5935-2020-037)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.