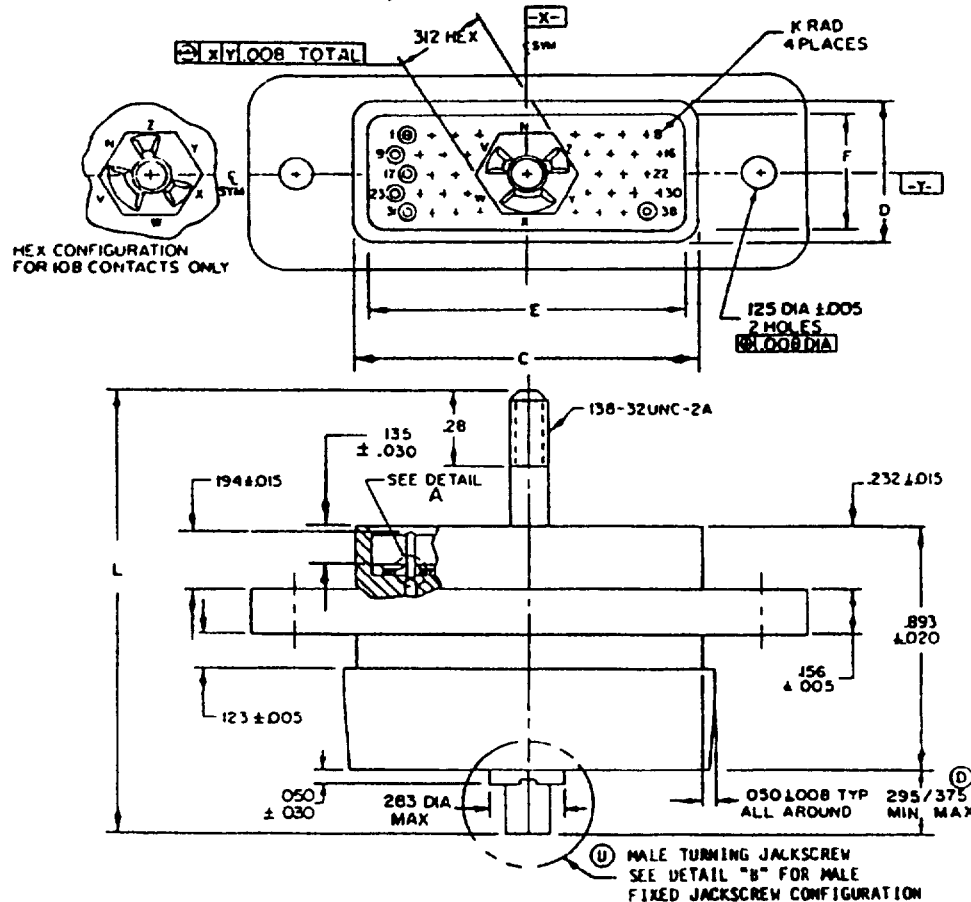


MILITARY SPECIFICATION SHEET

- ① CONNECTORS, PLUG, ELECTRIC, RECTANGULAR,  
HIGH DENSITY, POLARIZED CENTER JACKSCREW,  
CRIMP REMOVABLE PIN CONTACTS, CLASS P

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

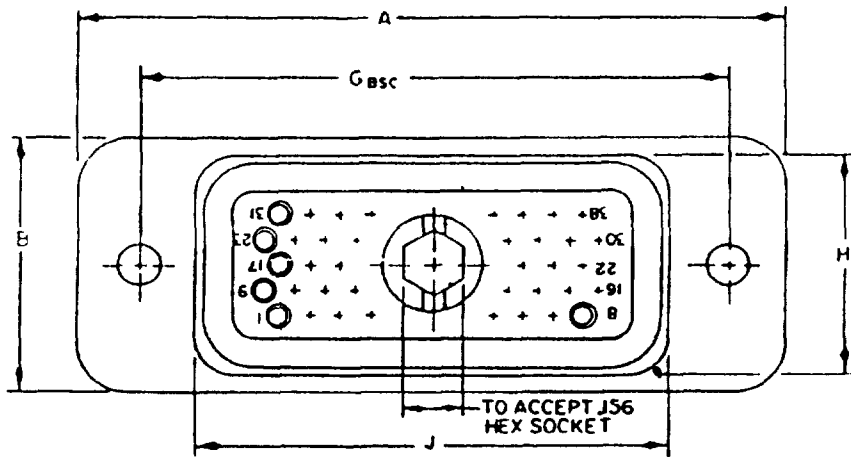
- ① The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-C-28804.



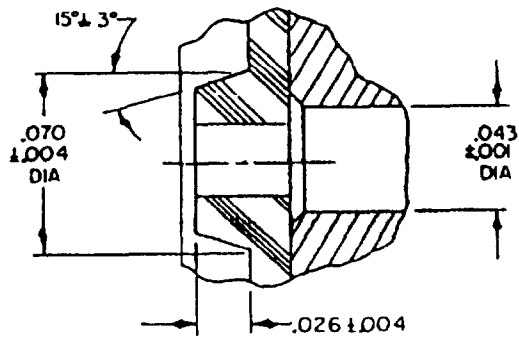
SEE PAGE 2 FOR BOTTOM VIEW

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

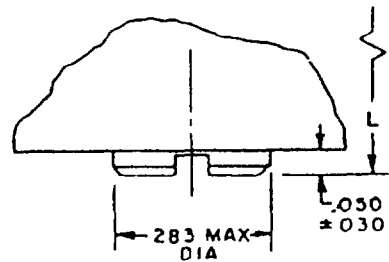
① denotes changes.



BOTTOM VIEW



DETAIL A



MALE FIXED JACKSCREW

D DETAIL B

| Inches | mm   | Inches | mm    |
|--------|------|--------|-------|
| .001   | 0.03 | .125   | 3.17  |
| .004   | 0.10 | .135   | 3.43  |
| .005   | 0.13 | .138   | 3.50  |
| .008   | 0.20 | .156   | 3.96  |
| .015   | 0.38 | .194   | 4.93  |
| .020   | 0.51 | .232   | 5.89  |
| .026   | 0.66 | .28    | 7.1   |
| .030   | 0.76 | .283   | 7.19  |
| .043   | 1.09 | .295   | 7.49  |
| .050   | 1.27 | .312   | 7.82  |
| .070   | 1.78 | .375   | 9.52  |
| .123   | 3.12 | .893   | 22.28 |

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

| Dash no<br>(see notes 4 and 5) | Shell size | No of contacts | Insert arrangement no section (see note 6) | A<br>+.015<br>(0.38) | B<br>+.015<br>(0.38) | C<br>+.005<br>(0.12) | D<br>+.005<br>(0.12) | E<br>+.005<br>(0.12) | F<br>+.015<br>(0.38) | G<br>BSC         | H<br>+.008<br>(0.20) | J<br>+.008<br>(0.20) | K<br>+.015<br>(0.38) | L<br>+.025<br>(0.63) | Weight<br>(max)(with contacts)<br>grams |
|--------------------------------|------------|----------------|--------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------|----------------------|----------------------|----------------------|----------------------|-----------------------------------------|
| 1                              | 8          | 14             | 10 No. 1                                   | 1.520<br>(38.60)     | .725<br>(18.41)      | .800<br>(20.32)      | .548<br>(13.91)      | .688<br>(17.47)      | .436<br>(11.07)      | 1.200<br>(30.48) | .625<br>(15.87)      | .888<br>(22.65)      | .050<br>(1.27)       | 1.716<br>(43.58)     | 18.0                                    |
| 2                              | 10         | 38             | 20 No. 1                                   | 1.945<br>(49.40)     | .725<br>(18.41)      | 1.220<br>(30.98)     | .548<br>(13.91)      | 1.108<br>(28.14)     | .436<br>(11.07)      | 1.625<br>(41.27) | .625<br>(15.87)      | 1.308<br>(33.22)     | .050<br>(1.27)       | 1.716<br>(43.58)     | 25.0                                    |
| 3                              | 12         | 88             | 30 No. 1                                   | 2.780<br>(70.61)     | .725<br>(18.41)      | 2.060<br>(52.32)     | .548<br>(13.91)      | 1.948<br>(49.47)     | .436<br>(11.07)      | 2.460<br>(62.48) | .625<br>(15.87)      | 2.148<br>(54.55)     | .050<br>(1.27)       | 1.716<br>(43.58)     | 32.0                                    |
| 4                              | 14         | 108            | 40 No. 1                                   | 1.990<br>(50.54)     | 1.077<br>(27.35)     | 1.444<br>(36.67)     | .897<br>(22.78)      | 1.332<br>(33.83)     | .785<br>(19.93)      | 1.718<br>(43.63) | .977<br>(24.81)      | 1.532<br>(38.91)     | .058<br>(1.47)       | 1.716<br>(43.58)     | 37.0                                    |
| 5                              | 16         | 132            | 50 No. 1                                   | 2.790<br>(70.86)     | .902<br>(22.91)      | 2.068<br>(52.52)     | .732<br>(18.59)      | 1.956<br>(49.68)     | .620<br>(15.74)      | 2.470<br>(62.73) | .802<br>(20.37)      | 2.156<br>(54.76)     | .100<br>(2.54)       | 1.716<br>(43.58)     | 47.0                                    |
| 6                              | 18         | 244            | 60 No. 1                                   | 4.128<br>(104.85)    | .902<br>(22.91)      | 3.410<br>(86.61)     | .732<br>(18.59)      | 3.304<br>(83.92)     | .630<br>(16.00)      | 3.808<br>(96.72) | .802<br>(20.37)      | 3.494<br>(88.74)     | .100<br>(2.54)       | 1.716<br>(43.58)     | 52.5                                    |
| 7                              | 8          | 14             | 10 No. 1                                   | 1.520<br>(38.60)     | .725<br>(18.41)      | .800<br>(20.32)      | .548<br>(13.91)      | .688<br>(17.47)      | .436<br>(11.07)      | 1.200<br>(30.48) | .625<br>(15.87)      | .888<br>(22.55)      | .050<br>(1.27)       | 1.216<br>(30.88)     | 18.0                                    |
| 8                              | 10         | 38             | 20 No. 1                                   | 1.945<br>(49.40)     | .725<br>(18.41)      | 1.220<br>(30.98)     | .548<br>(13.91)      | 1.108<br>(28.14)     | .436<br>(11.07)      | 1.625<br>(41.27) | .625<br>(15.87)      | 1.308<br>(33.22)     | .050<br>(1.27)       | 1.216<br>(30.88)     | 25.0                                    |
| 9                              | 12         | 88             | 30 No. 1                                   | 2.780<br>(70.61)     | .725<br>(18.41)      | 2.060<br>(52.32)     | .548<br>(13.91)      | 1.948<br>(49.47)     | .436<br>(11.07)      | 2.460<br>(62.48) | .625<br>(15.87)      | 2.148<br>(54.55)     | .050<br>(1.27)       | 1.216<br>(30.88)     | 32.0                                    |
| 10                             | 14         | 108            | 40 No. 1                                   | 1.990<br>(50.54)     | 1.077<br>(27.35)     | 1.444<br>(36.67)     | .897<br>(22.78)      | 1.332<br>(33.83)     | .785<br>(19.93)      | 1.718<br>(43.63) | .977<br>(24.81)      | 1.532<br>(38.91)     | .058<br>(1.47)       | 1.216<br>(30.88)     | 37.0                                    |
| 11                             | 16         | 132            | 50 No. 1                                   | 2.790<br>(70.86)     | .902<br>(22.91)      | 2.068<br>(52.52)     | .732<br>(18.59)      | 1.956<br>(49.68)     | .620<br>(15.74)      | 2.470<br>(62.73) | .802<br>(20.37)      | 2.156<br>(54.76)     | .100<br>(2.54)       | 1.216<br>(30.88)     | 47.0                                    |
| 12                             | 18         | 244            | 60 No. 1                                   | 4.128<br>(104.85)    | .902<br>(22.91)      | 3.410<br>(86.61)     | .732<br>(18.59)      | 3.304<br>(83.92)     | .630<br>(16.00)      | 3.808<br>(96.72) | .802<br>(20.37)      | 3.494<br>(88.74)     | .100<br>(2.54)       | 1.216<br>(30.88)     | 52.5                                    |

## 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.

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

MIL-C-28804/6D

REQUIREMENTS:

Dimensions and configuration: See figure 1.

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

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

- ① Part or Identifying Number (PIN): M28804/6- (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

Preparing activity:  
Navy - EC

Agent:  
DLA - ES

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

(Project 5935-3763-06)

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