

3.14 Mating and unmating force. Connector mating and unmating force shall be as specified in table I.

TABLE I. Mating and unmating force.

Size	Mating (maximum)	Unmating (minimum)
14	31.14 newtons (7 pounds)	8.90 newtons (2 pounds)
24	53.38 newtons (12 pounds)	17.79 newtons (4 pounds)
36	80.07 newtons (18 pounds)	26.69 newtons (6 pounds)
50	111.21 newtons (25 pounds)	31.14 newtons (7 pounds)

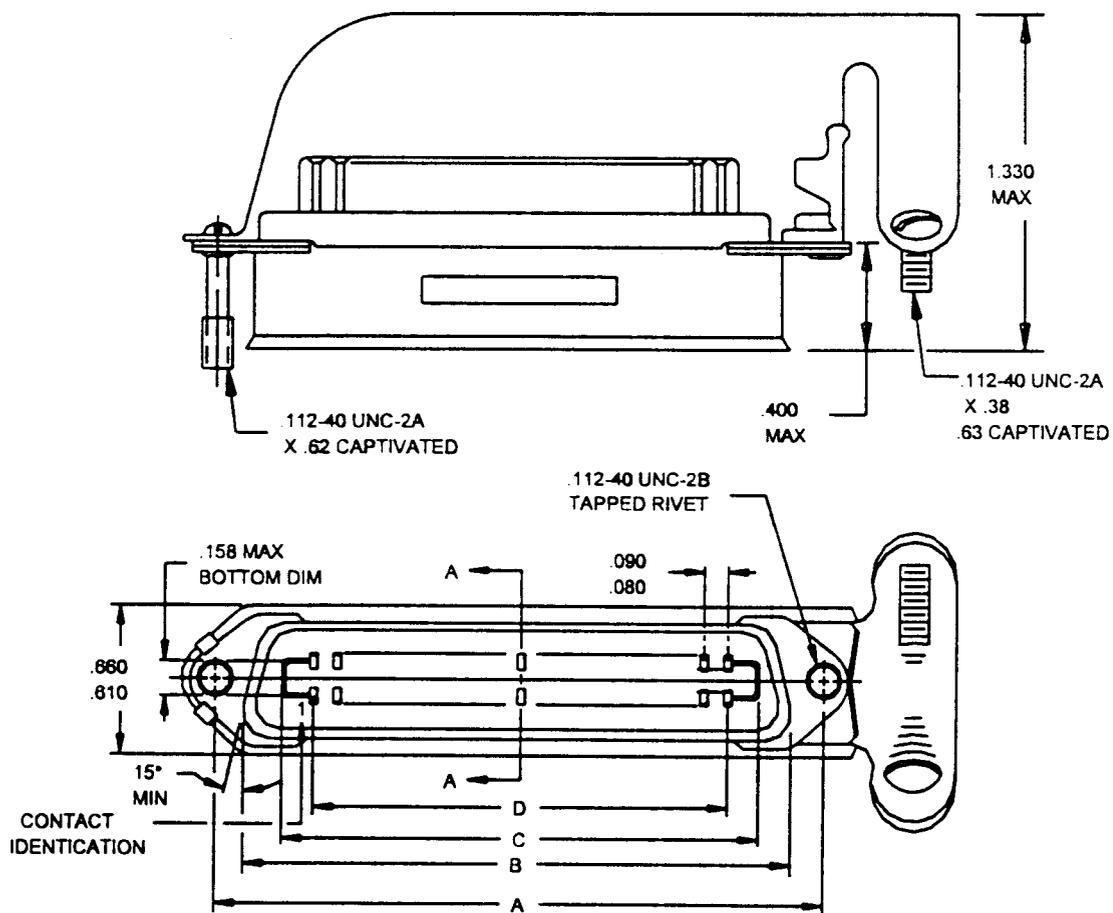
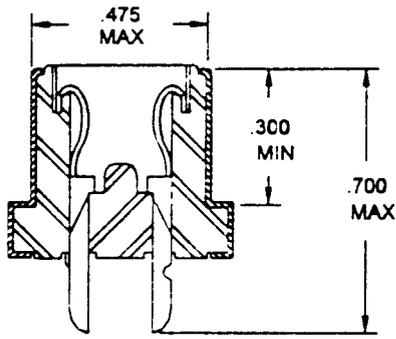
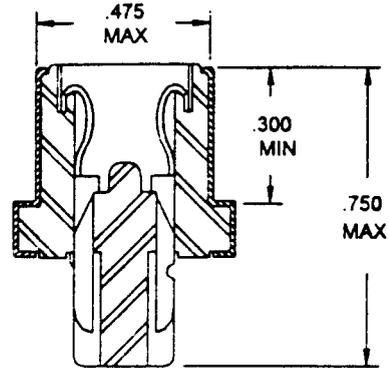


Figure 1. Dimensions and configurations.



LOW-BARRIER TYPE



HIGH-BARRIER TYPE

SECTION A - A

MM	INCHES	MM	INCHES
2.03	.080	10.54	.415
2.29	.090	12.06	.475
2.62	.103	15.49	.610
3.30	.130	17.78	.700
4.01	.158	19.05	.750
7.53	.300		

Size	A		B	C	D	
	Min	Max	Max	Min	Min	Max
14	35.86 (1.412)	36.12 (1.422)	25.40 (1.000)	17.65 (.695)	12.83 (.505)	13.08 (.515)
24	46.66 (1.837)	46.91 (1.847)	36.30 (1.429)	28.42 (1.119)	23.62 (.930)	23.88 (.940)
36	59.61 (2.347)	59.87 (2.357)	49.02 (1.930)	41.40 (1.630)	36.58 (1.440)	36.83 (1.450)
50	74.73 (2.942)	74.98 (2.952)	64.26 (2.530)	56.49 (2.224)	51.69 (2.035)	51.94 (2.045)

NOTES:

1. Dimensions are in millimeters.
2. Inches are in parentheses.
3. This item was designed using inch-pound units of measurement. In case of problems involving conflicts between the metric and inch-pound units, the inch-pound units shall rule.

Figure 1. Dimensions and configurations - Continued.

TABLE II. Mating connector.

Plug dash number	Mating connector	Mating connector	Mating connector
01	AA55528-01 or AA55528-06	AA55530-01 or AA55530-06	AA55532-01 or AA55532-06
02	AA55528-02 or AA55528-07	AA55530-02 or AA55530-07	AA55532-02 or AA55532-07
03	AA55528-03 or AA55528-08	AA55530-03 or AA55530-08	AA55532-03 or AA55532-08
04	AA55528-04 or AA55528-09	AA55530-04 or AA55530-09	AA55532-04 or AA55532-09
06	AA55528-01 or AA55528-06	AA55530-01 or AA55530-06	AA55532-01 or AA55532-06
07	AA55528-02 or AA55528-06	AA55530-02 or AA55530-07	AA55532-02 or AA55532-07
08	AA55528-03 or AA55528-06	AA55530-03 or AA55530-08	AA55532-03 or AA55532-08
09	AA55528-04 or AA55528-09	AA55530-04 or AA55530-09	AA55532-04 or AA55532-09

TABLE III. Dash number.

Dash number	Number of contacts	Barrier type
01	14	Low
02	24	Low
03	36	Low
04	50	Low
06	14	High
07	24	High
08	36	High
09	50	High

4. Regulatory requirements. This section is not applicable to this CID.

5. Quality assurance provisions.

5.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection, examination, and test requirements specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections, examinations, or tests set forth in this description where such inspections, examinations, and tests are deemed necessary to assure supplies and services conform to prescribed requirements.

5.2 Contractor certification statement. The contractor shall certify and maintain objective quality evidence that the product offered meets the requirements of this CID, and that the product conforms to the producer's own drawings, specifications, standards, quality assurances practices, and is the same as the product provided as a bid sample. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

5.3 Certificate of compliance. A certificate of compliance shall accompany all connectors supplied to this CID.

6. Packaging.

6.1 Preservation, packaging, packing, labeling, and marking. Preservation, packaging, labeling, and marking shall be as specified in the contract or purchase order.

7. Notes.

7.1 PIN. The PIN should be used for government purposes to buy commercial products to this CID. See 2.1 for PIN format.

7.2 Government users. To acquire information on obtaining these connectors from the Government inventory system, contact Defense Electronics Supply Center, ATTN: DESC-EON, 1507 Wilmington Pike, Dayton, OH 45444-5522, or telephone (513) 296-5009.

7.3 Ordering data. Acquisition documents should specify the following:

- a. CID document number and revision and CID PIN.
- b. Quality assurance provisions.
- c. Packaging requirements.

7.4 Suggested sources of supply. A suggested source of supply is listed in table I. Additional sources will be added as they become available.

TABLE IV. Suggested source of supply.

CID PIN AA55531-	Vendor commercial PIN CAGE 71785
09	57-20500-7

Supersession data: See table V.

TABLE V. Supersession data.

New part number	Superseded part number
AA55531-**	M83515/4-**

Vendor CAGE
number

71785

Vendor name
and address

CINCH CONNECTORS
1500 Morse avenue
Elk Grove village, IL 60007

CIVIL AGENCY COORDINATING ACTIVITY:
GSA - 7FXE

PREPARING ACTIVITY:
DLA-ES

(Project 5935-0548)