

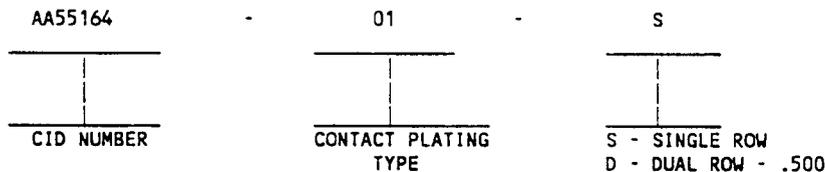
COMMERCIAL ITEM DESCRIPTION

CONNECTORS, ELECTRICAL, SOCKETS SINGLE IN LINE MEMORY MODULE,
SINGLE AND DUAL, ANGLED LOW PROFILE TYPE, 30 OR 60 CONTACTS

The General Services Administration has authorized the use of this commercial item description (CID), for all federal agencies.

1. SCOPE. This CID covers the general requirements for a single or dual, angled low profile inline memory module connector with 30 or 60 contacts. This connector provides the user with convenient low insertion and easy extraction of high density memory modules which conform to JEDEC specifications for SIMM modules. Connectors covered by this CID are intended for commercial/industrial applications.

2. CLASSIFICATION. This CID uses a classification system which is included in the Part or Identification Number (PIN) as shown in the following example (see 7.1).



3. Salient characteristics.

3.1 Design, construction and dimensions. Design, construction and dimensions shall be as specified in accordance with figure 1, table I and shall accommodate JEDEC configured SIMM memory modules.

3.2 Contacts.

Code G contacts (dash number -01) are formed of a high conductivity, high strength copper alloy with gold over nickel plating in the contact area.

Code T contacts (dash number -02) are formed of a high conductivity, high strength copper alloy with tin/lead plating over all areas.

3.3 Connector housing. Connector housings are made from high temperature thermoplastic material capable of withstanding temperatures of vapor phase, infrared, or wave type soldering assembly processes.

3.4 Contact stress. The connector design provides anti-stress protection for contacts.

3.5 Misconnection. Built in polarization eliminates misconnection of SIMM module to connector. Additional polarization feature to align socket to printed wiring board for simplification of assembly.

3.6 Dielectric withstanding voltage. When tested at 1,000 V ac, there shall be no breakdown of insulation or leakage current in excess of 5 mA between adjacent contacts for one minute.

3.7 Operating temperature. The operating temperature range shall be from -55°C to +105°C.

Beneficial comments, recommendations, additions, deletions clarifications, etc. and any other data which may improve this document should be sent to: Defense Electronics Supply Center, ATTN: DESC-ELDI, 1507 Wilmington Pike, Dayton, OH 45444-5765, or telephone (513) 296-5391, or facsimile (FAX) (513) 296-8868.

TABLE I. Dimensions.

Dash number	01 and 02	
	mm	Inch
A	96.27	3.790
B	-----	-----
C	16.26	.640
D	-----	-----
E	3.81	.150
F dia. typ	1.93	.076
G typ.	2.54	.100
H	73.66	2.900
I	92.71	3.650
J dia.	1.27	.050
K	-----	-----
L	4.19	.165
M	-----	-----
N REF	3.94	.155
O	14.59	.535
P dia	1.63	.064
q	9.53	.375
R ref.	-----	-----
S	-----	-----
T ref.	-----	-----
U typ.	-----	-----
V typ.	-----	-----
W	-----	-----
X dia. typ.	2.56	.095
Y DIA. TYP.	1.02	.040
Z	12.70	.500
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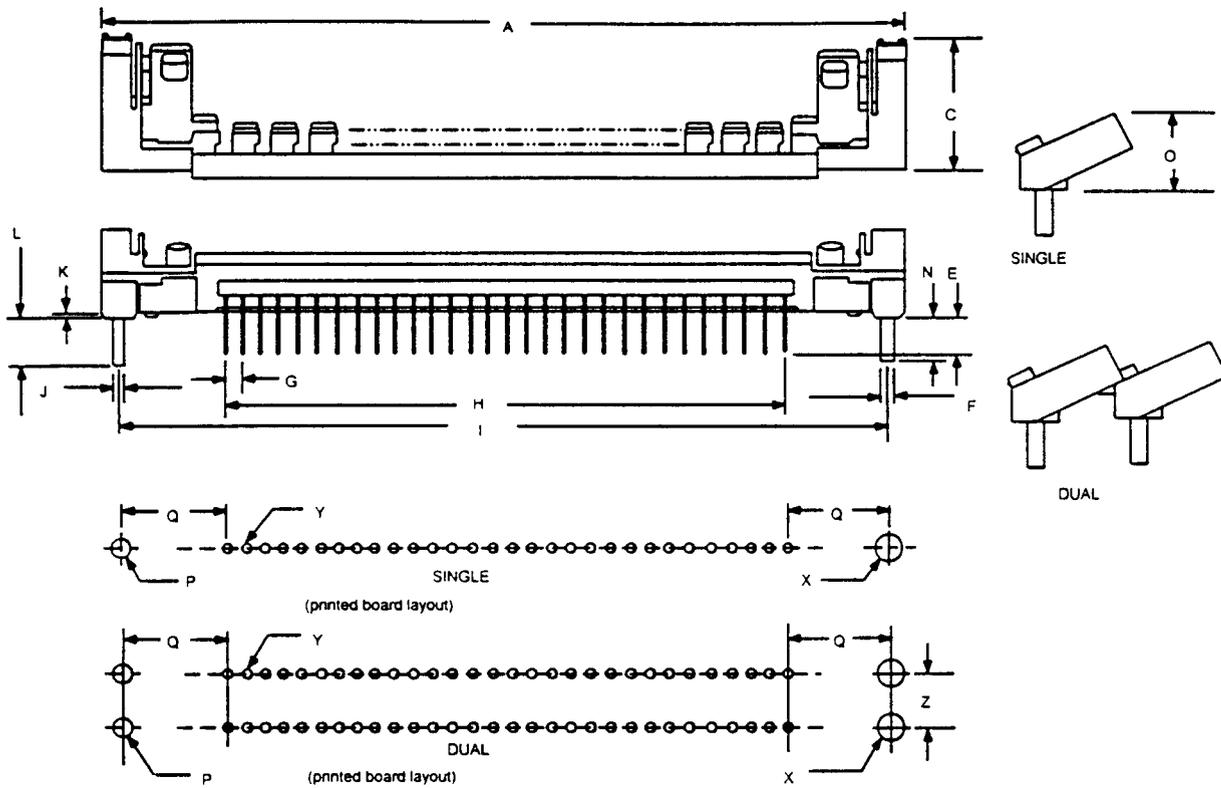


FIGURE 1. Printed board layout.

3.8 **Vibration.** The connector, or hardware when assembled to the connector, shall exhibit no evidence of breaking, cracking, or loosening of parts when subject to vibration of 10-55-10 Hz traversed in 1 minute at .06 inch total excursion for 2 hours in each of 3 mutually perpendicular planes.

3.9 **Physical shock.** The connector or hardware when assembled to the connector, shall exhibit no evidence of breaking, cracking, or loosening of parts when subject to 50 g's saw-tooth wave shock of 11 milliseconds duration, 3 shocks in each direction applied along the 3 mutually perpendicular planes for a total of 18 shocks.

3.10 **Durability.** The connector shall be capable of withstanding 25 module insertion and withdrawal cycles without a reduction in connector performance.

4. **REGULATORY REQUIREMENTS.** This section is not applicable to this CID.

5. **QUALITY ASSURANCE PROVISIONS.**

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

5.2 **Contractor certification.** 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 producers own drawings, specifications, standards, quality assurance practices, and is the same as the product provided as a bid sample. The procurement activity 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. Each contractor desiring to be listed as a suggested source of supply shall submit a DESC certificate of compliance to DESC-ELDI. This certificate shall state that the contractor's product meets all the requirement of this CID. In addition, 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 Source of documents.

Other Publications

Joint Electron Devices Engineering Council

(Application for copies should be addressed to the JEDEC Solid State Products Engineering Council, 2001 Pennsylvania Avenue, N.W., Washington, D.C. 20006).

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

7.3 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.

7.4 ORDERING DATA. The contract or purchase order shall specify the following:

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

7.5 Suggested sources of supply. A suggested source of supply is listed herein. Additional sources will be added as they become available.

Dash number (see table I) AA55164	Vendor commercial PIN CAGE 00779
01-S	821877-2
01-D	821850-2
02-S	821876-2
02-D	821832-2

Vendor CAGE
number

00779

Vendor name
and address

AMP Incorporated
Eisenhower Boulevard
Harrisburg, PA 17105

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-ES

Project 5935-3941-02