

INCH-POUND  
A-A-55568/1B  
28 September 2007  
SUPERSEDING  
A-A-55568/1A  
12 May 1998

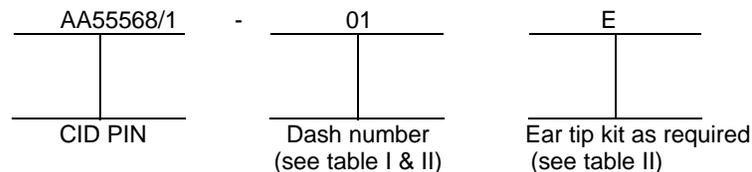
COMMERCIAL ITEM DESCRIPTION  
SPECIFICATION SHEET

HEADSET-MICROPHONE, MONAURAL, LIGHTWEIGHT,  
INTRA-AURAL, AMPLIFIED RECEIVER

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

The complete requirements for procuring monaural, lightweight, intra-aural, amplified receiver headsets described herein shall consist of this document and the issue in effect of A-A-55568.

CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This commercial item description (CID) specification sheet uses a classification system which is included in the PIN as shown in the following example (see NOTES).



SALIENT CHARACTERISTICS.

Interface and physical dimensions. Headset-microphone supplied to this CID specification sheet shall be as specified herein. Incorporate a receiver amplifier with compression and a three-position volume control (see figures 1 and 2).

Voice tube. The headset-microphone shall be supplied with an adjustable acoustic voice tube.

Clothing clip. The headset-microphone shall be supplied with a clothing clip.

Switch. The headset-microphone shall be supplied with a lockable/non-lockable push-to-talk switch.

Plug termination. The plug termination shall be a MIL-P-642/9, type PJ-327 or equivalent configuration.

Ear tip kit. A kit, providing a variety of sizes of ear tips, is provided by some manufacturers with the headset-microphone and some manufacturers provide a universal ear tip.

Wiring diagram. The wiring diagram shall be as specified on figure 2 and shall meet the performance requirements of this document.

Cable assemblies. The cable assemblies shall be as specified in table I.

Frequency range. The frequency range for the headset shall be 300 to 3,300 Hz.

Electrical characteristics.

Receiver.

Output level. The receiver output level shall be  $75.5 \pm 4$  dB SPL (12.6 mV rms through 600 ohms).

Distortion. Distortion for the headset shall be less than 5 percent.

Receiver impedance. The receiver impedance shall be 600 ohms nominal.

Microphone/amplifier.

Output level. The output level shall be  $-22.5$  dB V  $\pm 4$  dB V (47 to 119 mV rms).

(NOTE: All transmit measurements are made with 94 dB SPL drive at 1000 Hz into a 50 ohm resistive load at 100 mA dc. Also 0 dB m = 1 milliwatt; 0 dB SPL = .0002 dynes/cm<sup>2</sup>; 0 dB V = 1 volt.)

DC resistance. The dc resistance shall be greater than 35 ohms.

Terminal voltage. Terminal voltage shall be 4.7 V dc at 100 mA.

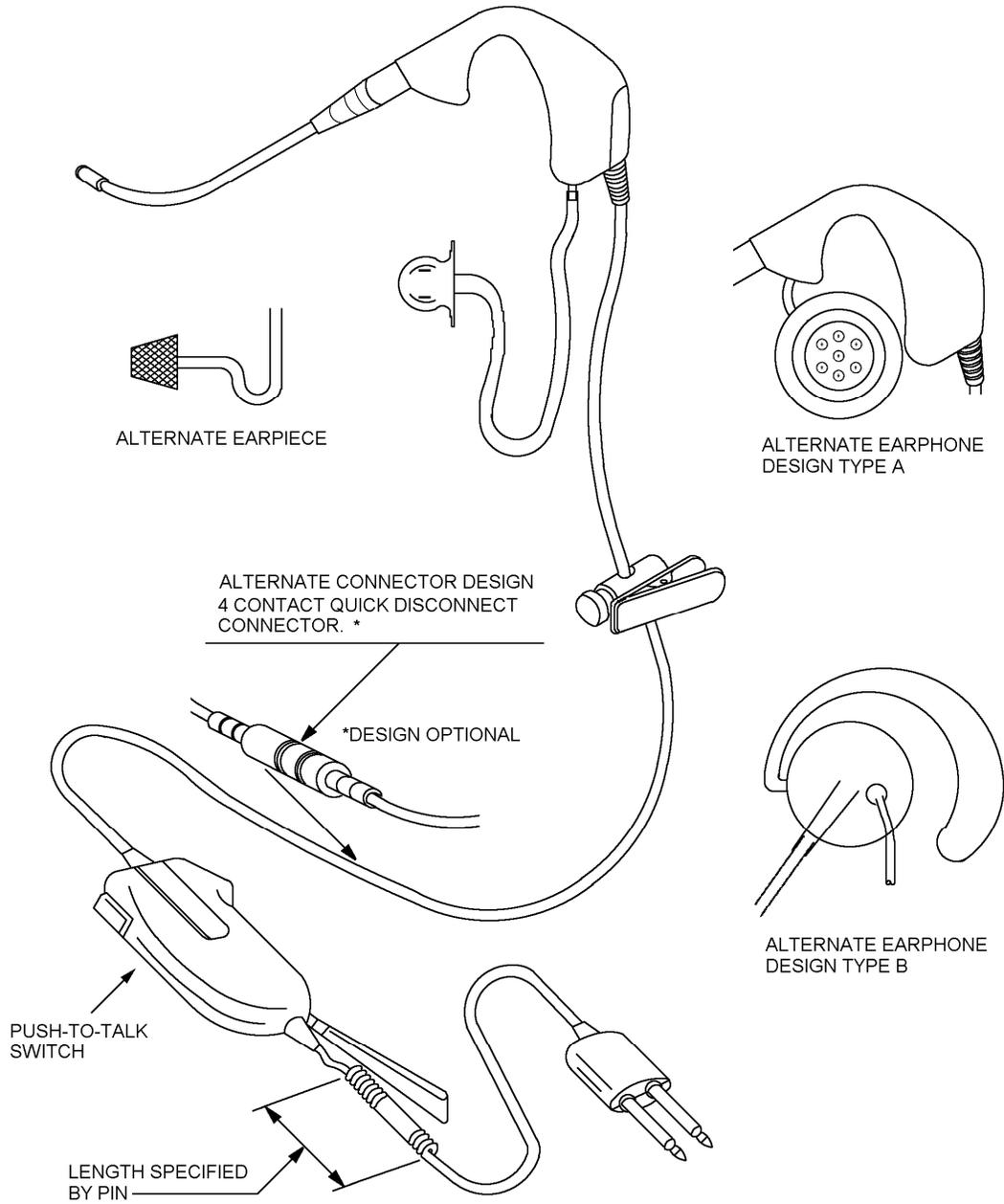
Microphone impedance. Microphone impedance shall be 50 ohms nominal.

Polarity. The microphone/amplifier shall be nonpolar.

Marking. Headsets supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN.

TABLE I. Cable assembly characteristics.

AA55568/1-	Characteristics
01	The length of the coiled portion of the connector cable assembly shall be 50.8 centimeters (20 inches) nominal when retracted and 3.05 meters (10 feet) nominal when extended.
02	The length of the coiled portion of the connector cable assembly shall be 76.2 centimeters (30 inches) nominal when retracted and 4.57 meters (15 feet) nominal when extended.
03	The length of the coiled portion of the connector cable assembly shall be 127 centimeters (50 inches) nominal when retracted and 7.62 meters (25 feet) nominal when extended.



NOTES:

1. Earphone alternate designs are shown only for information the finished earphone design is to the manufacturers' headset-microphone configuration.
2. When supplied with a 4 contact connector the complete assembly consists of upper and lower sub-assemblies.

FIGURE 1. Amplified headset-microphone configurations.

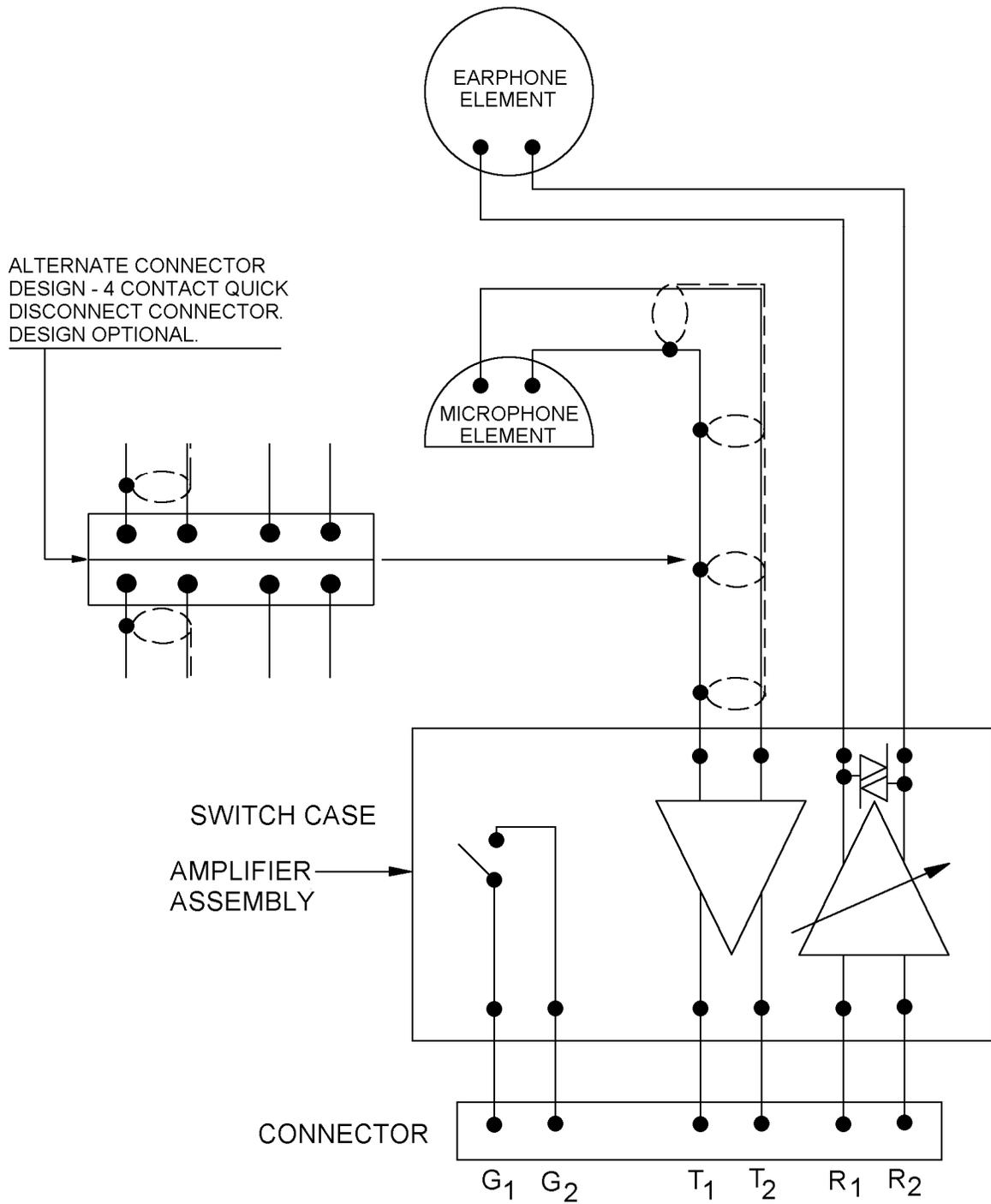


FIGURE 2. Amplified headset-microphone wiring diagram.

QUALITY ASSURANCE PROVISIONS. Quality assurance provisions shall be as specified in A-A-55568

PACKAGING. Packaging shall be as specified in A-A-55568.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See the classification section for PIN format example.

CAGE code. For ordering purposes, inventory control, and submission of these headset-microphones to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

Source of documents.

COMMERCIAL ITEM DESCRIPTION

A-A-55568 - Headset-microphone, Lightweight, General Requirements for.

DEPARTMENT OF DEFENSE SPECIFICATIONS

MIL-P-642/9 - PLUGS, TELEPHONE (TYPE PJ-327) AND ACCESSORY SCREWS

(Copies of these documents are available online at <http://assist.daps.dla.mil/quicksearch/> or <http://assist.daps.dla.mil> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

Ordering data. Ordering data shall be as specified in A-A-55568.

Commercial products. As part of the market analysis and research effort, this CID specification sheet was coordinated with the following manufacturers of commercial products. At the time of CID specification sheet preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID specification sheet. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

MFR's CAGE

22447

MFR's name and address

Plantronics Inc.  
345 Encinal Street  
Santa Cruz, CA 95060  
800-544-4660  
www.plantronics.com

Part number (P/N) supersession data. These CID specification sheet PINs supersedes the following MFR's P/Ns as shown. This information is being provided to assist in reducing proliferation in the Government inventory system (see table II). When indicated in the P/N (i.e. AA55568/1-01E, etc.), an ear tip kit of the P/N shown will also be provided.

TABLE II. P/N supersession data.

Dash number (see table I) AA55568/1-	MFR's CAGE	MFR's Headset P/N <u>1/</u>	MFR's Ear tip kit P/N <u>1/</u>
01	22447	H31CD w/ SHS2310-10	N/A
01E	22447	H31CD w/ SHS2310-10	06448-00
02	22447	H31CD w/ SHS2310-15	N/A
02E	22447	H31CD w/ SHS2310-15	06448-00
03	22447	H31CD w/ SHS2310-25	N/A
03E	22447	H31CD w/ SHS2310-25	06448-00

1/ The separate P/N are supplied for information purposes only.

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

CONCLUDING MATERIAL

MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITY:

Custodians:  
Navy - EC  
Air Force - 11  
DLA - CC

GSA - 7FXE

Preparing Activity:  
DLA - CC

Project 5965-0381-001

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 <http://assist.daps.dla.mil>.