

## COMMERCIAL ITEM DESCRIPTION

HEADSET-MICROPHONE, MONAURAL, LIGHTWEIGHT,  
SUPRA-AURAL

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

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

CLASSIFICATION/PART OR IDENTIFYING 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 non-noise-canceling and a noise-canceling configuration. (See figures 1 and 2).

Alternate design and construction. See figure 1 and 2 illustrating the headset-microphone incorporating a quick-disconnect connector.

Configurations and dimensions. Configurations and dimensions shall be as specified on figure 1.

Voice tube. The headset-microphone with non-noise-canceling shall be supplied with an adjustable acoustic voice tube (see figure 1).

Noise-canceling microphone. The headset-microphone with noise-canceling shall be supplied with a unidirectional microphone (see figure 1).

Quick-disconnect assembly. The headset-microphone shall be supplied with a four (4) contact quick-disconnect connector (see note) between the headset and the lockable/non-lockable push-to-talk switch.

NOTE: Referenced quick-disconnect is of the design of each manufacturer of each headset assembly. The intent is to offer an alternate assembly design for the complete headset-microphone and not to be intermixed between manufacturers.

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 6-wire PJ7 in accordance with drawing 182513 (CAGE 08125, see -105, on sheets 12 and 13) or equivalent configuration.

Wiring diagram. The wiring diagram shall be as specified on figure 2.

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

Frequency range. The frequency range for the headset shall be 300 to 3300 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 1,000 Hz into a 50 ohm resistive load at 100 mA dc. Also 0 dB m = 1 milliwatt; 0 dB SPL = 20 micropascal's ( $\mu$ PA) ( $0.0002$  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.  
(NOTE: The part number marked on the unit pack shall be the CID PIN.)

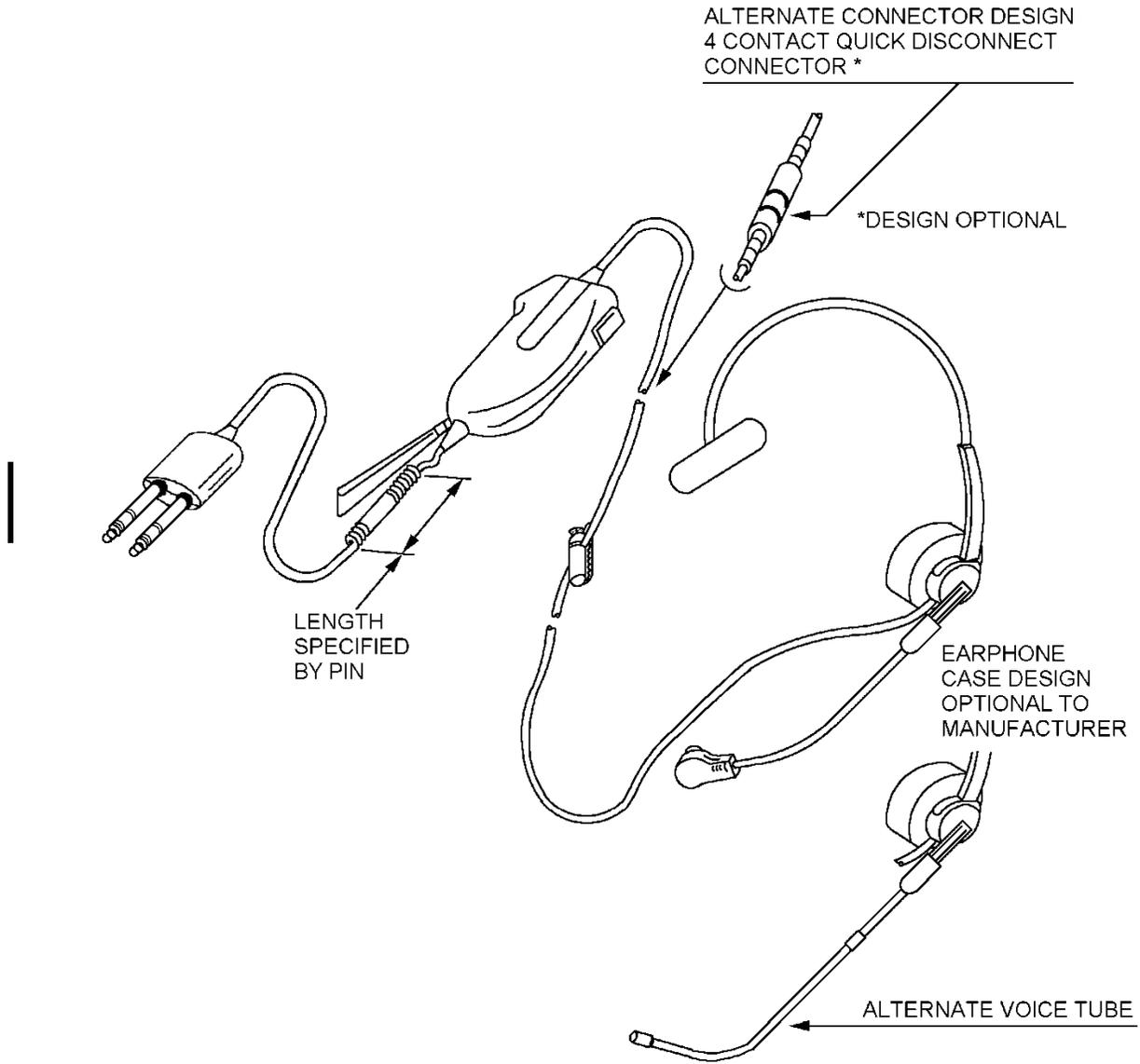


FIGURE 1. Unamplified headset-microphone configurations.

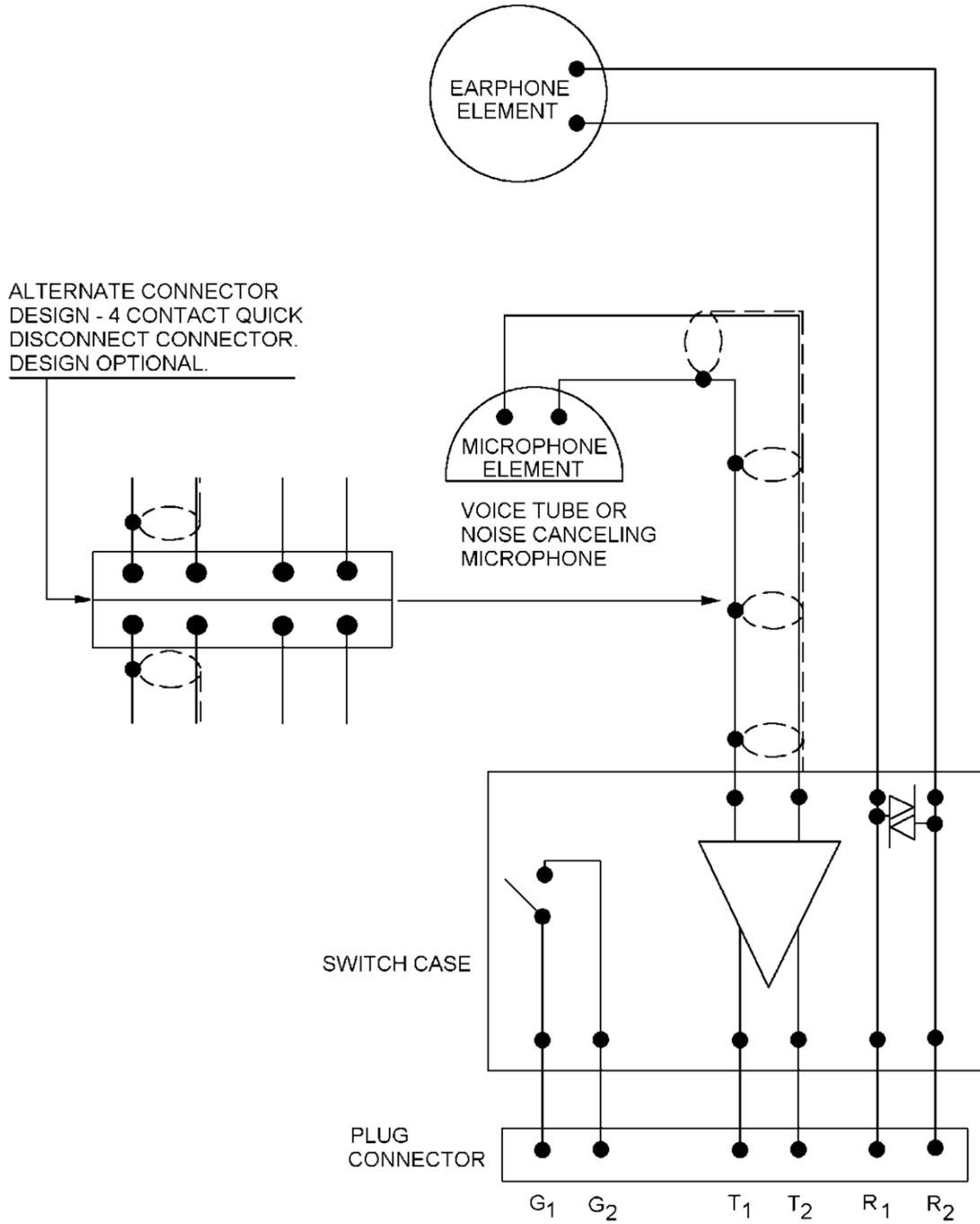


FIGURE 2. Unamplified headset-microphone wiring diagram without noise-canceling.

TABLE I. Cable assembly characteristics.

CID PIN AA55568/03-	Characteristics
001	Headset-microphone with non-noise-canceling voice tube design. 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. (reference Fig.1)
002	Headset-microphone with non-noise-canceling voice tube design. 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. (reference Fig. 1)
003	Headset-microphone with non-noise-canceling voice tube design. 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. (reference Fig. 1)
004	Headset-microphone with noise-canceling unidirectional microphone design. 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. (reference Fig. 1)
005	Headset-microphone with noise-canceling unidirectional microphone design. 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. (reference Fig. 1)
006	Headset-microphone with noise-canceling unidirectional microphone design. 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. (reference Fig. 1)

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 DLA Land and Maritime 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.

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

DEPARTMENT OF TRANSPORTATION (FAA, CAGE 08125, replacing 0TW64)

182513 - Cable, Patch Cord

(Copies of this document required by contractors in connection with specific acquisition functions may be obtained from the procuring activity at [DSCC.cddwgs@dla.mil](mailto:DSCC.cddwgs@dla.mil), or as directed by the contracting officer.)

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.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
22447	Plantronics Inc. 345 Encinal Street Santa Cruz, CA 95060 800-544-4660 <a href="http://www.plantronics.com">www.plantronics.com</a>

Part number (P/N) supersession data. These CID specification sheet PINs supersede 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).

TABLE II. PIN supersession data.

Dash number (see table 1) AA55568/03-	MFR's CAGE	MFR's P/N <sup>1/</sup>
001	22447	HW251 w/ SHS1890-10
002	22447	HW251 w/ SHS1890-15
003	22447	HW251 w/ SHS1890-25
004	22447	HW251N w/ SHS1890-10
005	22447	HW251N w/ SHS1890-15
006	22447	HW251N w/ SHS1890-25

<sup>1/</sup> The separate manufacturer's P/N's are supplied for information purposes only. The complete assembly shall be supplied under the CID PIN.

Government users. To acquire information on obtaining these lightweight headset-microphones from the Government inventory system, contact DLA Land and Maritime, ATTN: FMTE, P.O. Box 3990, Columbus, OH 43218-3990 or telephone (614) 692-4023, DSN 850-4023.

NSNs. The following is a list of NSNs assigned which correspond to this CID specification sheet (see table III). The list is for information only and may not be indicative of all possible NSNs associated with the CID specification sheet. For up to date information on assigned NSNs, please contact the DLA Land and Maritime, ATTN: FMTE, P.O. Box 3990, Columbus, OH 43218-3990 or telephone (614) 692-4023, DSN 850-4023.

TABLE III. NSN list.

Dash number (see table I) AA55568/03-	NSN
002	

Changes from previous issue. The margins of this CID are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Referenced documents. In addition to A-A-55568, this document references the following:

182513 (CAGE 08125) DEPARTMENT OF TRANSPORTATION DRAWING

MILITARY INTERESTS:

Custodians:  
Navy - EC  
Air Force - 85  
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA - CC

Project 5965-2013-009

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>.