INCH-POUND

MIL-DTL-9177/4D
4 September 2018
SUPERSEDING
MIL-DTL-9177/4C(USAF)
25 November 2002

DETAIL SPECIFICATION SHEET

CONNECTOR, AUDIO, AIRBORNE, JACK, PANEL MOUNT, 4 CONTACT

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

The requirements for acquiring the product described
herein shall consist of this specification and MIL-DTL-9177.

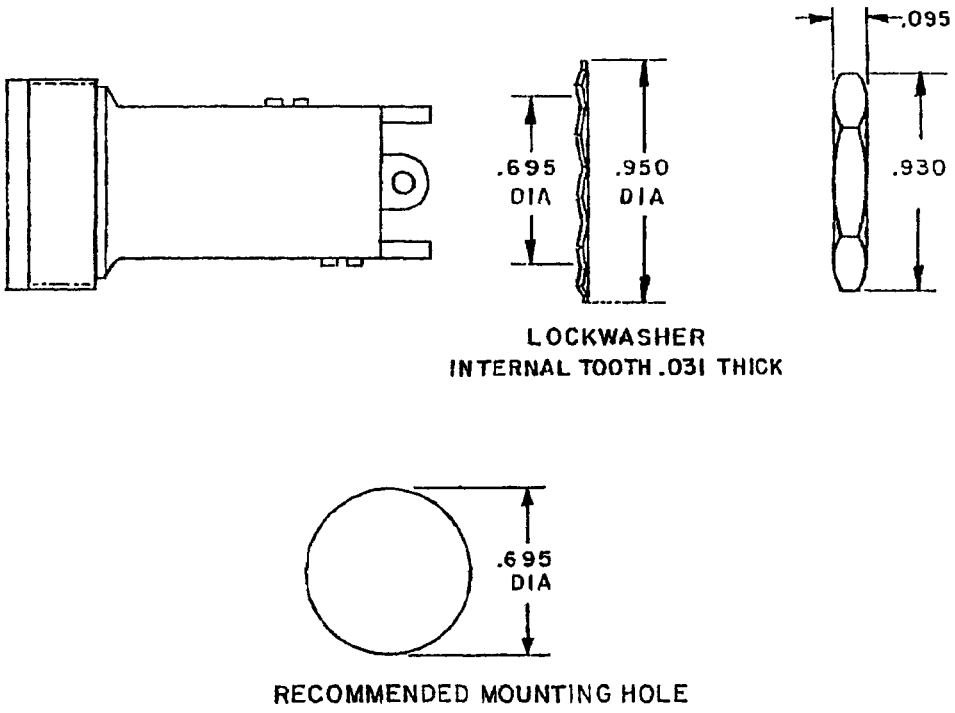
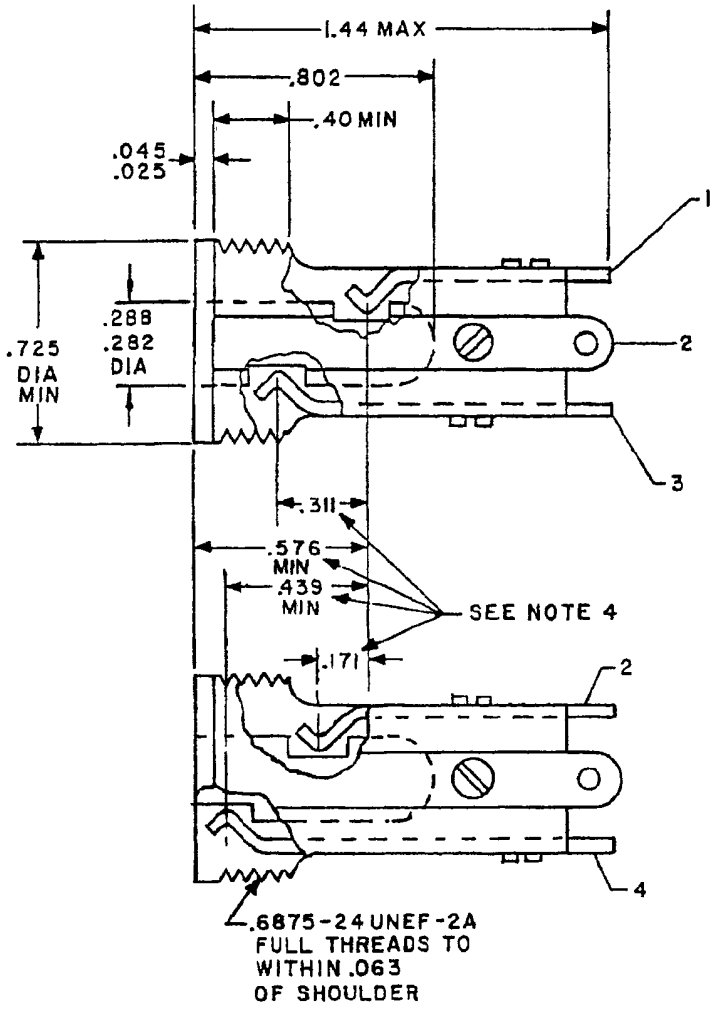


FIGURE 1. Dimensions and configurations.

AMSC N/A

FSC 5935



Inches	mm	Inches	mm	Inches	mm
.025	0.64	.282	7.16	.695	17.65
.031	0.79	.288	7.32	.725	18.42
.045	1.14	.311	7.90	.802	20.37
.063	1.60	.40	10.2	.930	23.62
.095	2.41	.439	11.15	.950	24.13
.171	4.34	.576	14.63	1.44	36.6

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± .005 (0.13 mm).
4. If the jack passes the electrical continuity test using the test plug, this will be accepted as evidence that the jack meets the contact location requirements.
5. All undimensioned pictorial representations are for reference purposes only.

FIGURE 1. Dimensions and configurations – Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Insertion and withdrawal forces: The insertion and withdrawal forces shall be as specified:

Insertion force: 13 pounds maximum.
Withdrawal force: 6 pounds minimum, 10 pounds maximum.
Insertion and withdrawal force after spring life: 4.5 pounds minimum.

Spring life: The spring life test is applicable.

Contact spring pressure: The contact spring pressure test is applicable.

Body and insulation: Materials shall have electrical and non-electrical properties appropriate for their intended use in electrical components. Optional materials are as follows:

a. Glass-filled polycarbonates in accordance with ASTM-D3935.
b. Glass-filled nylon in accordance with ASTM-D4066.

Mounting panel thickness: For use on 0.1875-inch (4.76 mm) maximum panels.

Specified mating connector: For testing, the specified mating connector shall be M9177/1-1.

Mating connectors: M9177/1-1 and M9177/2-1.

Part or Identifying Number (PIN): M9177/4-1.

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

Referenced documents. In addition to MIL-DTL-9177, this document references the following:

ASTM-D4066
ASTM-D3935

CONCLUDING MATERIAL

Custodians:
Air Force – 85
DLA - CC

Preparing Activity:
DLA - CC

Review activities:
Air Force – 19

(Project 5935-2018-120)

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/.