

INCH-POUND

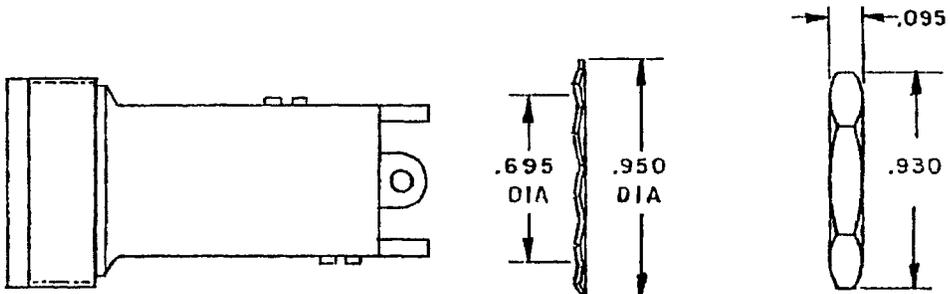
MIL-DTL-9177/4C(USAF)
25 November 2002
SUPERSEDING
MIL-C-9177/4B(USAF)
12 September 1988

DETAIL SPECIFICATION SHEET

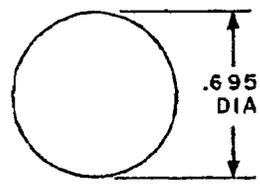
CONNECTOR, AUDIO, AIRBORNE, JACK, PANEL MOUNT, 4 CONTACT

This specification is approved for use by the Department of the Air Force and is available for use by all Departments and Agencies of the Department of Defense.

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



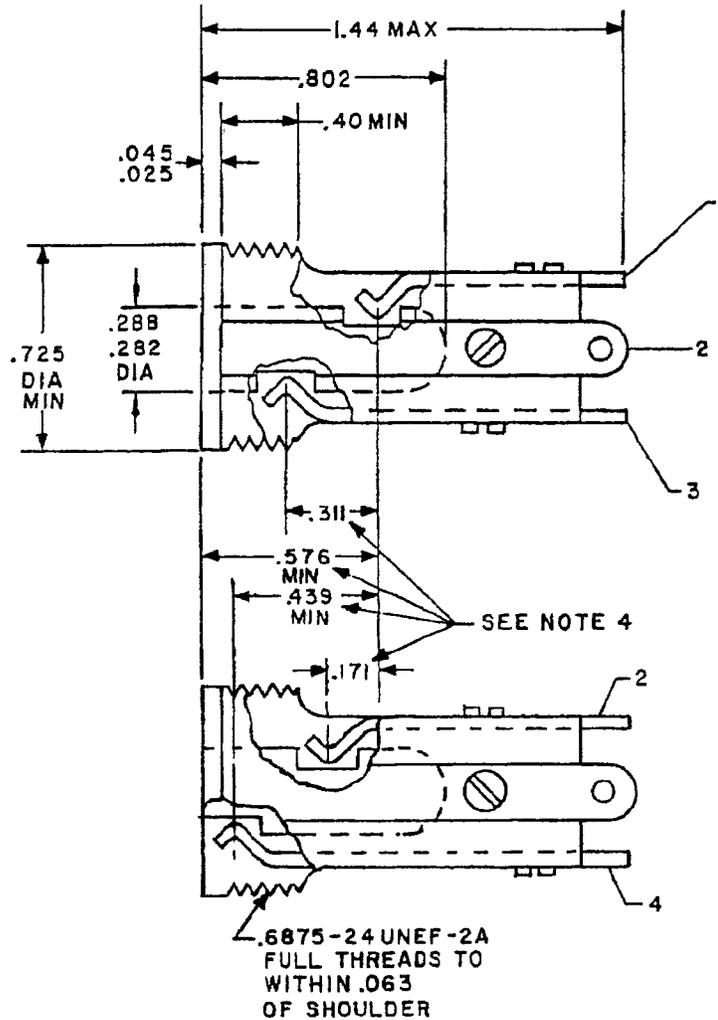
LOCKWASHER
INTERNAL TOOTH .031 THICK



RECOMMENDED MOUNTING HOLE

FIGURE 1. Dimensions and configurations.

MIL-DTL-9177/4C(USAF)



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 $\pm .005$ (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.

MIL-DTL-9177/4C(USAF)

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 MIL-P-81390.
- 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.

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

CONCLUDING MATERIAL

Custodians:
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

Review activity:
Air Force – 19, 99

(Project 5935-4436-003)