

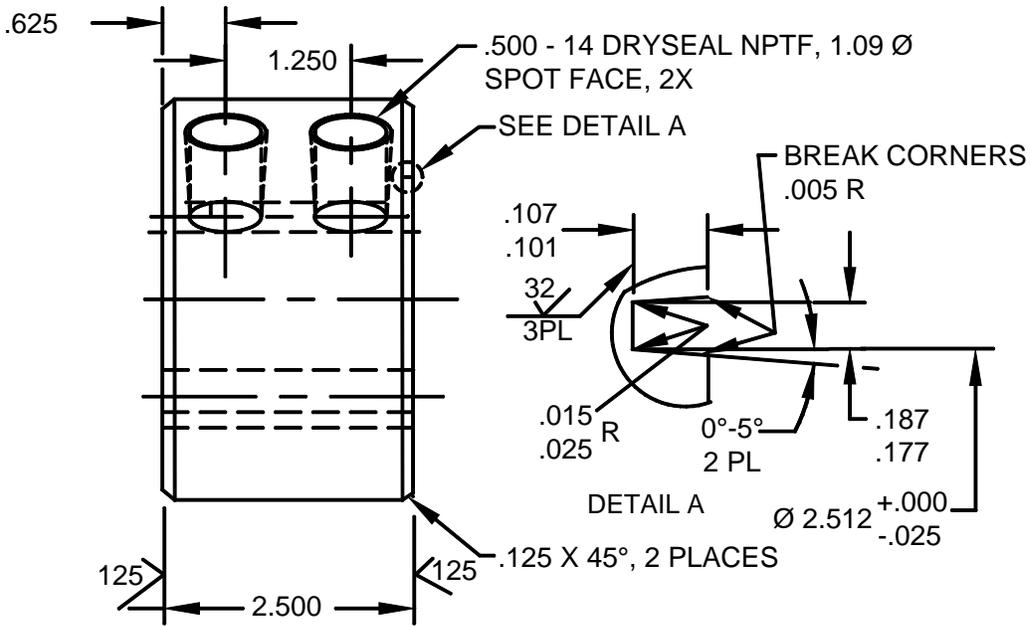
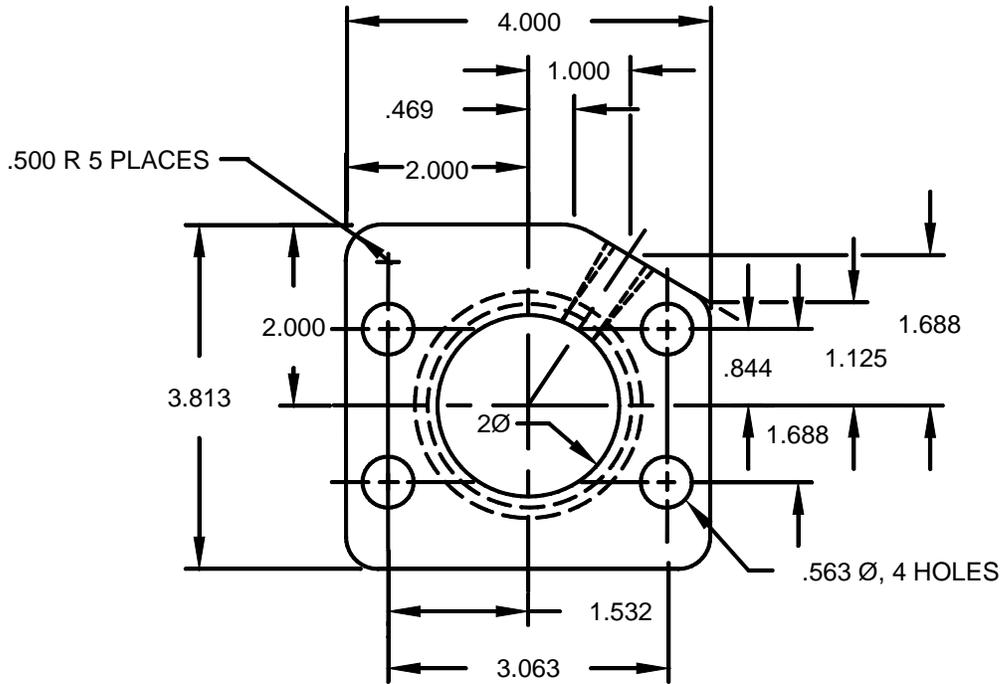
**REVISIONS**

LTR	DESCRIPTION	DATE	APPROVED
A	Change CAGE code from 037Z3 to 16236 and e-mail address for comments. Removed approved sources requirements.	4 June 2008	A. Abdouni

Prepared in accordance with ASME Y14.100

Detail Drawing

REV																			
PAGE																			
REV STATUS OF PAGES	REV	A	A	A	A														
	PAGE	1	2	3	4														
PMIC N/A	PREPARED BY William Carpenter					DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OHIO 43218-3990													
Original date of drawing  6 March 2008	CHECKED BY Ernest Brown					TITLE  MANIFOLD, TWO 1/2 INCH PORTS, 2 INCH INLET													
	APPROVED BY Abdonasser M. Abdouni																		
	SIZE  A	CAGE CODE  16236				DWG. NO. <b>08007</b>													
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Inches	mm
.005	0.13
.015	0.38
.101	2.57
.107	2.72
.125	3.18
.177	4.50
.187	4.75
.469	11.91
.500	12.70
.563	14.30
.625	15.88
.844	21.44
1.000	25.40
1.09	27.69
1.125	28.58
1.250	31.75
1.532	38.91
1.688	42.88
2.000	50.80
2.500	63.50
2.512	63.80
3.063	77.80
3.813	96.85
4.000	101.60

FIGURE 1. Manifold.

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**NOTES:**

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances for 3 place decimals is  $\pm 0.010$  inch (0.25 mm) and angular dimensions  $\pm 5^\circ$ .
4. Remove all burrs and sharp edges.
5. Surface finish shall be in accordance with ASME B46.1.

FIGURE 1. Manifold - Continued.

**REQUIREMENTS:**

Dimensions and configurations: See figure 1.

Material: Aluminum alloy 6061 temper T6 in accordance with SAE-AMS-QQ-A-200/8.

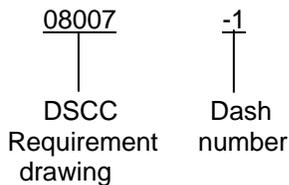
Chemical film: In accordance with MIL-DTL-5541, type II, class 1A. Parts shall withstand 96 hours minimum of salt spray testing in accordance ASTM B117.

Workmanship. Manifolds shall be free from cracks, laps, seams, burrs, longitudinal and spiral tool marks, or any other defects that may detrimentally affect their intended use.

Marking: The manifold shall be marked with the DSCC drawing Part or Identifying Number (PIN), the manufacturers name, trade mark, or CAGE code. The marking shall be permanent and legible in accordance with MIL-STD-130.

Recycled, recovered, or environmentally preferable materials: Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible, provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

PIN: The complete PIN shall be constructed using the following format:



Certification as an approved source of supply: In order to be listed as an approved source of supply for connectors, a manufacturer shall:

- a. Agree to make available to DSCC, upon request, all pertinent test data on the subject part indicating compliance to the requirements herein.
- b. Provide to DSCC-VAI, or its designated agent, upon request, free of charge and without obligation, a current production sample from its production line.

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Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order. When actual packaging of material is to be performed by DoD or in-house contractor personnel, these personnel need to contact the responsible packaging activity to ascertain packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activities within the Military Service or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

DSCC drawing use. Manifolds in accordance with this drawing are intended for use when military specifications do not exist and qualified military manifolds that will perform the required function are not available for OEM application. This drawing is intended exclusively to prevent the proliferation of unnecessary duplicate specifications, drawings, and stock catalog listings.

Acquisition requirements. Acquisition documents should specify the following:

- a. Complete PIN.
- b. Requirements for delivery of one copy of the quality conformance inspection data pertinent to the manifold inspection lot to be supplied with each shipment by the manufacturer, if applicable.
- c. Requirements for certificate of compliance, if applicable.
- d. Requirements for notification of change of product or process to contracting activity, if applicable.
- e. Packaging requirements.

Comments. Comments on this drawing should be directed to Defense Supply Center, Columbus, ATTN: DSCC-VAI, P.O. Box 3990 Columbus, Ohio 43218-3990 or telephone (614) 692-0565, facsimile (614) 692-6940 or emailed to [FluidFlow@dla.mil](mailto:FluidFlow@dla.mil).

Submission of certificate of compliance. The certificate of compliance submitted to DSCC-VAI, prior to listing as an approved source of supply, shall state that the manufacturer's product meets the requirements of the applicable DSCC requirements drawings and stated herein.

Supersession data. DSCC drawing 08007-1 replaces U S Army Tank Automotive Command (19207) drawing 10914794.

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