NOTES:

I. HOLE DIMENSIONS PER PAE-40458

2. DESIGNED TO BE LASER WELDED TO AN ALUMINUM HOUSING.

3. HERMETIC LEAK RATE LESS THAN OR EQUAL TO 1 X 10^-9 CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.

4. DESIGNED TO MATE WITH PAE PART NUMBER 94663.

5. ELECTRICAL REQUIREMENTS:

INSULATION RESISTANCE: GREATER THAN 50,000 MEGOHMS AT 500±10% AT 25°C WHEN TESTED IAW MIL-STD-1344 METHOD 3003.

DIELECTRIC WITHSTANDING VOLTAGE: MUST SHOW NO EVIDENCE OF BREAKDOWN OR FLASHOVER WHEN SUBJECTED TO 600 VAC RMS 60Hz IAW MIL-STD-1344, METHOD 3001. DURATION OF APPLICATION TO BE 1 SEC MIN.

6. MATERIAL:

SHELL EXPLOSION BONDED STAINLESS STEEL TO 4XXXX-SERIES ALUMINUM.

CONTACTS: BERYLLIUM-COPPER IAW ASTM 8196 OR ASTM 8197

INSULATORS: KRYOFLEX 313-16 PROPRIETARY POLYCRYSTALLINE CERAMIC

INTERFACIAL SEAL FLOUROSIL CONE RUBBER IAW MIL-R-25988, CLASS I, TYPE 11, GRADE 60.

7. FINISH:

CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-290, .000100/.000250 THICK

GOLD PLATE IAW ASTM-B488, TYPE I GRADE A, .000125/.000200 THICK.

WELD FLANGE:

CHEMICAL CONVERSION COAT IAW MIL-DTL-5541, CLASS IA.

8. ORDERING INFORMATION:

PLEASE SPECIFY ACCORDING TO THE FOLLOWING:

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<th>TABLE 1</th>
<th>NUMBER OF CONTACTS</th>
<th>BASE PART NUMBER</th>
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B ± .001

A ± .015

2X .015

(94662-37 SHOWN)

SECTION A-A

SCALE 2.500

INTERFACIAL SEAL

CONTACT

WELD FLANGE

INTERFACIAL SEAL

CONTACT

HOLE DETAIL

SCALE 1:2.000

DETAIL A

WIRE BOND FLAT

SEE DETAIL