NOTES:
1. HOLES AND INTERFACE DIMENSIONS PER MIL-PRF-83513/2.
2. MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
3. DESIGNED FOR LASER WELDING TO AN ALUMINUM HOUSING.
4. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1X10^-9 CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
5. ELECTRICAL REQUIREMENTS:
   - INSULATION RESISTANCE: GREATER THAN 5,000 MEGOHMS AT 500±10% VDC 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. MATERIALS:
   - SHELL: EXPLOSION BONDED STAINLESS STEEL TO 4XXX-SERIES ALUMINUM.
   - INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
   - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS 1, TYPE II, GRADE 60.
   - HELICAL INSERTS: 300-SERIES STAINLESS STEEL.
   - WIRE: 26 AWG PER M22759.
7. FINISH:
   - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
   - GOLD PLATE IAW MIL-G-45204, TYPE II, GRADE C, .000050/.000150 THICK.
   - SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS IA.
8. ORDERING INFORMATION:
   PLEASE SPECIFY ACCORDING TO THE FOLLOWING: 94071 - X - XX
   - THREADED INSERT TYPE:
     - FR - FREE RUNNING
     - SL - SELF LOCKING
   - PIN COUNT (9, 15, 21, 25, 31, OR 37)
   - BASE PART NUMBER TO ORDER

<table>
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<td>NUMBER OF CONTACTS</td>
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HOLE DETAIL
SCALE 1.500

THREADED INSERT
WIRE
INSULATOR
SHELL
INTERFACIAL SEAL

SCALE 1.000
1-37 SHOWN

434 Olds Station Rd. Wenatchee WA 98801
WWW.PACAIRO.COM

SALES DRAWING
DOCUMENT 0-94071

DATE: 0-0
REVISION DATE 10-04-06

TITLE:
CONNECTOR, MICRO-D, AL-COMPATIBLE, LOW PROFILE, WIRED

CAGE CODE: 64567