

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX.AXIAL FORCE _____ 6.0 LBS.

MAX. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ INTERFACE 48.0, REAR 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0, REAR 1.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 °c TO +165 °c)

SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)

VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)

MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b

CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)

BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (190 VRMS)

HERMETICITY: _____ LEAK SHALL NOT EXCEED A LEAK RATE OF 10-8 cc/SEC.
TRACER GAS OF HELIUM AT A PRESSURE DIFFERENTIAL OF 15 P.S.I.

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY
UNSC 17800, TEMPER TD04

INSULATOR _____ TEFLON PER ASTM D 4894-91

EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE RUBBER

GLASS SEAL:

OUTER RING & PIN _____ KOVAR PER MIL-I-23011

GLASS _____ CORNING 7052

6. FINISH

BODY _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.

CONTACT _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 2.5
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290 (.000050 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR AND EMI GASKET _____ N/A

GLASS SEAL (OUTER RING & PIN) _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.25
(.000050 Minimum Thickness) OVER NICKEL PER
QQ-N-290, CLASS 1 (.000150 Minimum Thickness)