

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.5 LBS.
- MIN. RADIAL TORQUE _____ N/A

CONNECTOR ENGAGEMENT FORCES

- | | FULL DETENT | SMOOTH BORE |
|--------------------------------|-------------|-------------|
| ● INSERTION (MAX. LBS.) _____ | 15.0 | 2.0 |
| ● WITHDRAWAL (MIN. LBS.) _____ | 5.0 | 0.5 |

CONNECTOR DURABILITY (MIN. MATING) _____ 100 500

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.) (125 VRMS) |
| CORONA (70,000 FEET) _____ | 190 VRMS |
| RF HIGH POTENTIAL MIN. VOLTS _____ | 325 VRMS @ SEA LEVEL, FREQ. 5 MHz. |
| VIBRATION, RANDOM _____ | MIL-STD 202, METHOD 214, TEST CONDITION F |

5. MATERIAL

- CONNECTOR BODY (SMP, PLUG) _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A.
- CONNECTOR BODY (SMP, JACK) AND CENTER CONTACTS _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
- INSULATORS _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

- CONNECTOR BODY (SMP, PLUG) _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
- CONNECTOR BODY (SMP, JACK) _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 0.70
(.000030 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290 CLASS 1
(.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
- CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290 CLASS 1
(.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
- INSULATORS _____ N/A