



NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIAL & FINISH:

1.1 BODY & INSERT

1.1.1 145-0701-601: GOLD PLATED STAINLESS STEEL

1.1.2 145-0701-602: PASSIVATED STAINLESS STEEL

1.2 SUPPORT BEAD: PPE (NORYL)

1.3 CENTER CONTACT: GOLD PLATED BERYLLIUM COPPER

2. ELECTRICAL:

2.1 IMPEDANCE: 50 OHMS

2.2 FREQUENCY RANGE: 0 - 40.0 GHz

2.3 VSWR: DEPENDANT UPON APPLICATION, TYPICALLY 1.22 MAX

2.4 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL

2.5 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL

2.6 INSULATION RESISTANCE: 5000 MEGOHM MIN

2.7 CONTACT RESISTANCE:

CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 8.0 MILLIOHM MAX

OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE

2.8 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET

2.9 INSERTION LOSS: DEPENDANT UPON APPLICATION, TYPICALLY  $< .06\sqrt{F}$  (F IN GHz)

2.10 RF LEAKAGE: -90 dB MIN AT 2.5 GHz

2.11 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS AT 4 AND 7 MHZ

3. MECHANICAL:

3.1 ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX

3.2 MATING TORQUE: 7-10 INCH POUNDS

3.3 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE

3.4 DURABILITY: 500 CYCLES MIN

4. ENVIRONMENTAL:

4.1 (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)

4.2 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B

4.3 OPERATING TEMPERATURE: -65°C TO 125°C

4.4 CORROSION: MIL-STD-202, METHOD 101, CONDITION B

4.5 SHOCK: MIL-STD-202, METHOD 213, CONDITION I

4.6 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D

4.7 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

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		<small>RoHS2</small> <small>2011/65/EU</small>	<small>Title:</small> SMK (2.92mm) JACK ASSY 2 HOLE FLANGE MOUNT, FIELD REPLACEABLE, .012 SEAL PIN <small>Model No.:</small> 145-0701-601/610	
<small>UNLESS OTHERWISE SPECIFIED UNITS: INCH</small> <small>.XX ±.02</small> <small>.XXX ±.003</small> <small>ANGLES ±2°</small>	<small>Size</small> B	<small>DO NOT SCALE DRAWING</small>	<small>Date:</small> 1/20/2020	<small>Sheet</small> 1 OF 1