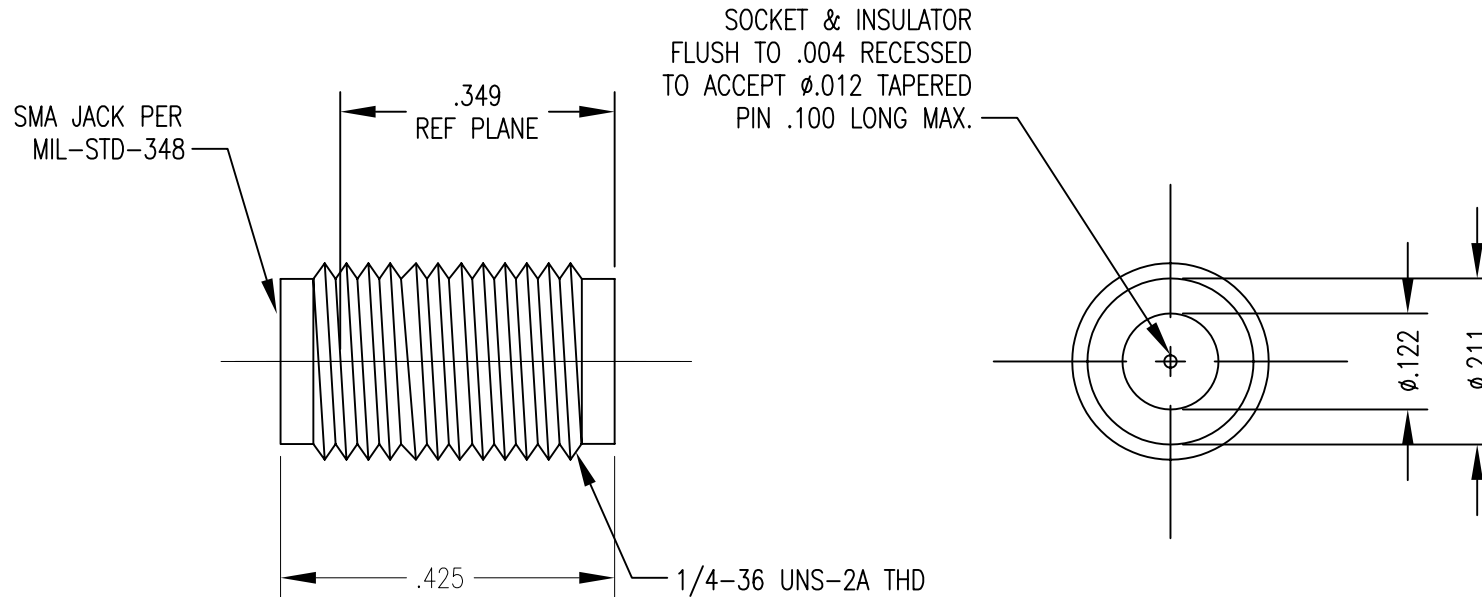


- 1.0 PERFORMANCE:
- 1.1 FREQUENCY RANGE DC-27 GHz
- 1.2 VSWR TYP < 1.25 THRU 20 GHz
 < 1.07 (DC-11 GHz)
 < 0.85+.02F (11-20 GHz)
- 1.3 SYSTEM IMPEDANCE 50 OHMS
- 1.4 DWV: 1000 Vrms @ 60 Hz (SEA LEVEL)
- 1.5 VOLTAGE RATING: 335 Vrms (SEA LEVEL)
- 1.6 TEMP RANGE: -65 / +165 °C

- 2.0 MATERIALS
- 2.1 SOCKET CONTACT: BeCu
- 2.2 BODY: SS 303
- 2.3 INSULATOR: PTFE
- 3.0 FINISHES
- 3.1 CONTACTS: MINIMUM PLATE OF .000050 GOLD
 OVER .000080 NICKEL
- 3.2 BODY: PASSIVATED

- 4.0 MECHANICAL
- 4.1 INTERFACES PER MIL-STD-348
- 4.2 SOCKET MATING CHARACTERISTICS:
 INSERTION FORCE: ϕ .013, 20 OZ TYP, 30 OZ MAX
 WITHDRAWAL FORCE: ϕ .011, 0.5 OZ MIN
- 4.3 CONTACT RETENTION: 4 LBS MIN
- 4.4 DURABILITY: 500 CYCLES

DRAWING SCALE NOT DO



SAN-TRON P/N: 1207-21-PJ

Rev.	Revisions	Disp.	Date	Dwn.	Appd.
D	UPDATE PERFORMANCE PER TEST RESULTS	USE	9/8/05	WJ	FSH
C	ECN CHANGE BODY LENGTH	NEW	6/8/05	DVP	FSH
B	CHD. NOTE 1.2, 1.5, 4.2 & 4.4; FLUSH TO .004 WAS .006	NEW	4/6/05	RF	FSH
A	ORIGINAL	NEW	08/04/04		

RECOM. STOCK SIZE	FT/M PCS	Ref.: SK	REMOVE ALL BURRS AND SHARP EDGES .005 MAX.	INTERPRET PER ASME Y14.5M-1994
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UNLESS OTHERWISE SPECIFIED:
 ALL DIMENSIONS ARE IN INCHES.
 ALL DIMENSIONS ARE AFTER PLATING.
 .XXX= ±.005 ALL MACHINED SURFACES $\sqrt{3}$ MAX.
 .XX= ±.01 ANG.±1/2° FRACTIONAL= ±1/64
 [0.004 MAX. TIR] [L AXIS .001]

THIRD ANGLE PROJECTION

DWN	RF	08/04/04
CHKD	LAP	
APPR	FSH	08/04/04

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TITLE SMA STRAIGHT CONNECTOR, FIELD REPLACEABLE (ϕ .012 PIN)

MATERIAL: SEE NOTES	FINISH: SEE NOTES
CAGE CODE: 50896	DWG NO. OL-1207-21-1
SCALE X:X	REV. D