

DWG NO. OL-1207-20-1		REV. D
PART NUMBER 1207-20-PJ	BODY PASSIVATE	CONTACT Au/Ni

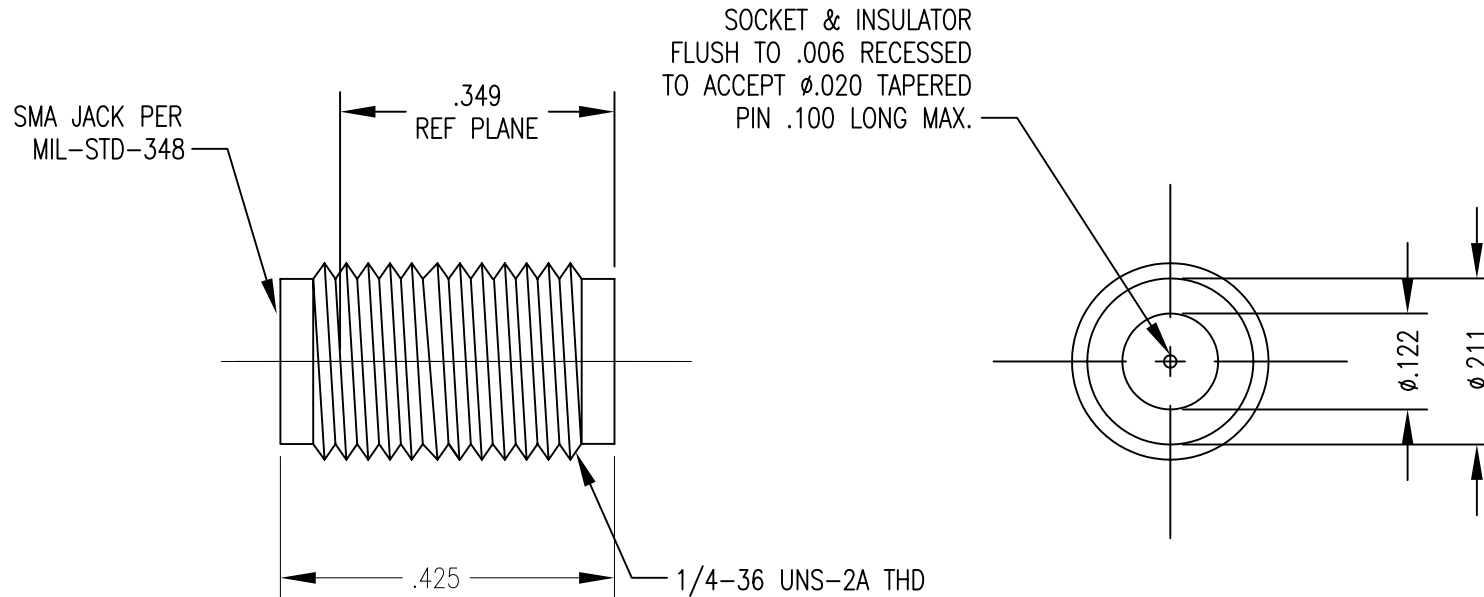
PLATE PER STI 7.3.1-8

- 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: .000050 MIN GOLD
 OVER .000080 MIN NICKEL
 3.2 BODY: PASSIVATED

- 4.0 MECHANICAL
 4.1 INTERFACES PER MIL-STD-348
 4.2 SOCKET MATING CHARACTERISTICS:
 INSERTION FORCE ϕ .021 PIN: 20 OZ TYP,
 30 OZ MAX
 WITHDRAWAL FORCE ϕ .019 PIN: 0.5 OZ MIN
 4.3 CONTACT RETENTION: 4 LBS MIN
 4.4 DURABILITY: 500 CYCLES

DO NOT SCALE DRAWING



Rev.	Revisions	Disp.	Date	Dwn.	Appd.
D	UPDATE MECHANICAL SPECS PER TEST RESULTS	USE	9/6/05	FSH	FSH
C	VSWR WAS 1.14 THRU 20 GHz, 1.44 THRU 26.5 GHz	RWK	6/27/05	FSH	FSH
B	ECN BODY LENGTH, MODIFY NOTES OAL .395 --> .425	SCRP	06/08/05	DVP	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
 ◎.004 MAX. TIR ⊥ 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 .020 PIN)

MATERIAL: SEE NOTES	FINISH: SEE NOTES
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CAGE CODE: 50896	DWG NO. OL-1207-20-1	REV. D
SCALE: X:X		