

- 1.0 PERFORMANCE:
 1.1 FREQUENCY RANGE DC-18 GHz
 1.3 SYSTEM IMPEDANCE 50 OHMS
 1.4 DWV: 500 Vrms @ 60 Hz (SEA LEVEL)
 1.5 VOLTAGE RATING: 175 VRMS (SEA LEVEL)
 1.6 TEMP RANGE: -65 / +165 °C

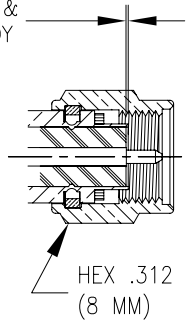
- 2.0 MATERIALS
 2.1 CONTACT: BeCu
 2.2 LOCKING RING: BeCu
 2.3 COUPLING NUT: STAINLESS STEEL
 2.4 CRIMP FERRULE: SOFT COPPER
 2.5 BODY: BRASS
 2.6 INSULATOR: TEFLON
 2.7 GASKET: SILICONE RUBBER
 3.0 FINISHES: SEE TABLE

- 4.0 MECHANICAL
 4.1 INTERFACES PER MIL-STD-348
 4.2 COUPLING PROOF TORQUE 15 INCH*LBS
 4.3 COUPLING NUT RETENTION 60 LBS AXIAL
 4.4 CONTACT RETENTION 6 LBS AXIAL
 4.5 DURABILITY: 100 CYCLES

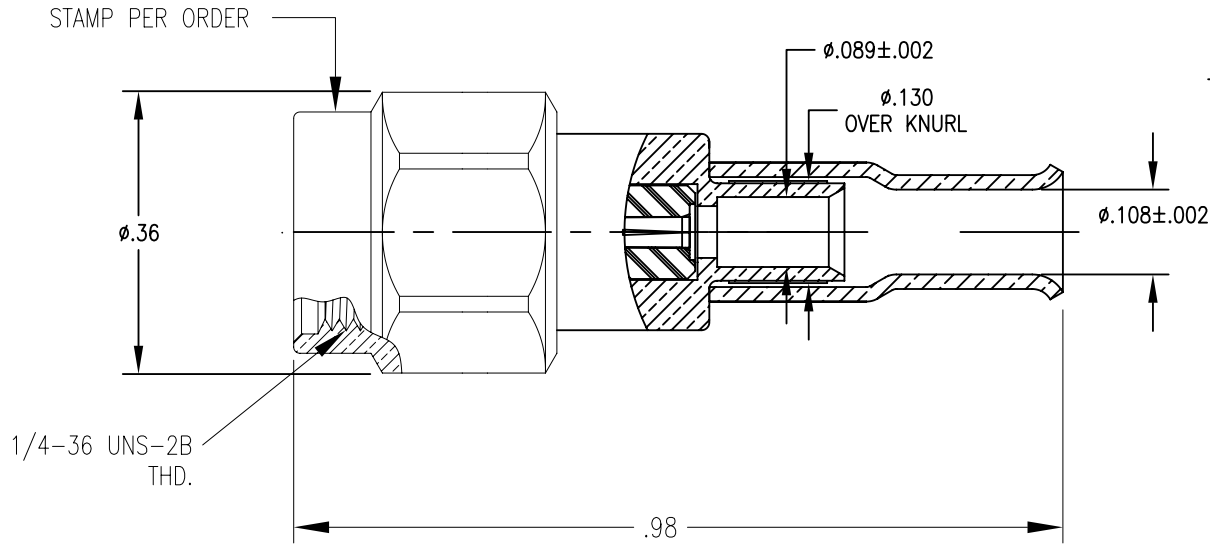
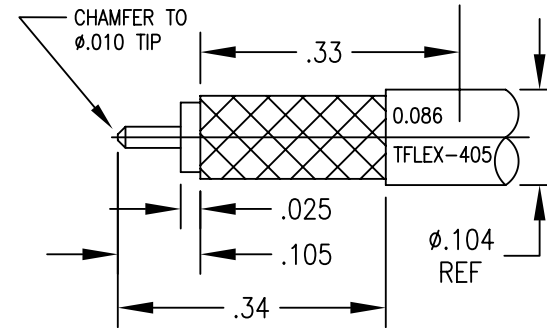
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|-------------------------|------|---------|-----------|
| DWG NO. OL-1201-27-1 | | | REV. C |
| PART NUMBER | BODY | CONTACT | CPL. NUT |
| 1201-27-GJP | GOLD | GOLD/Ni | PASSIVATE |

PLATING PER SAN-TRON SPEC. 7.3.1-8

.010 CONTACT:BODY &
 .000 INSULATOR:BODY



CRIMP HEX SIZE: .151



- ASSEMBLY INSTRUCTIONS:
 1) WINDOW STRIP JACKET AT 0.08 THRU 0.34
 2) PRE-TIN THE BRAID USING MINIMUM SOLDER
 3) STRIP BRAID AT 0.105
 4) STIP CENTER CONDUCTOR LEAVING .025 DIELECTRIC
 5) POINT CENTER CONDUCTOR
 6) FIXTURE SMA INTERFACE
 7) INSERT CABLE FULLY INTO CONNECTOR BODY
 8) APPLY HEAT TO CONNECTOR BODY ONLY AND SOLDER BRAID
 9) LIMIT SOLDER WICKING TO 0.33
 10) SLIDE ITEM 43 INTO PLACE AND CRIMP

DO NOT SCALE DRAWING

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UNLESS OTHERWISE SPECIFIED:
 ALL DIMENSIONS ARE IN INCHES.
 ALL DIMENSIONS ARE AFTER PLATING.
 .XXX= ±.005 ALL MACHINED SURFACES ⁶³/ MAX.
 .XX= ±.01 ANG.±1/2° FRACTIONAL= ±1/64
 ◎.004 MAX. TIR. ⊥ AXIS .001



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|--|-------------------------|
| TITLE eSMA PLUG, STRAIGHT, EZ STYLE, TFLEX-405, SS-405 (Ø.086) | |
| MATERIAL: SEE NOTE 2.0 | FINISH: SEE NOTE 3.0 |
| CAGE CODE: 50896 | DWG NO. OL-1201-27-1 |
| SCALE 4:1 | REV. C |

| | | | | | |
|-------------------|--|-------|--|--------------------------------|-------|
| Rev. | Revisions | Disp. | Date | Dwn. | Appd. |
| C | IMPLEMENT IMPROVED CABLE PREP | USE | 4/12/07 | FSH | FSH |
| B | OMIT .030 EXPOSED CORE ON CABLE BACKEND. | USE | 5/11/06 | DVP | FSH |
| A | ORIGINAL | NEW | 1/3/05 | | |
| RECOM. STOCK SIZE | FT/M PCS | Ref.: | REMOVE ALL BURRS AND SHARP EDGES .005 MAX. | INTERPRET PER ASME Y14.5M-1994 | |
| SK | | | | | |

