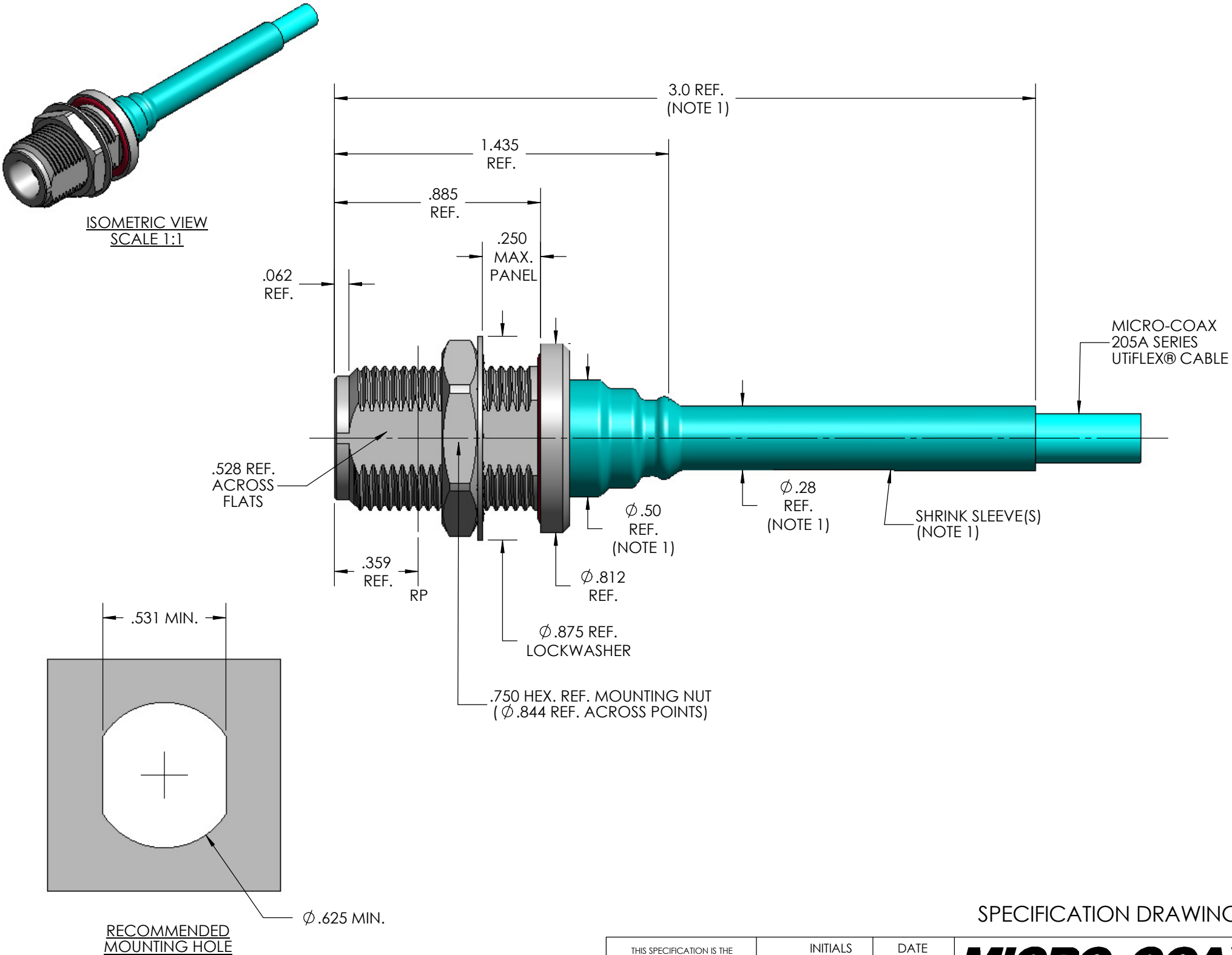


| MECHANICAL CHARACTERISTICS                   |   |
|--|---|
| INTERFACE                                    | MIL-STD-348, FIGURE 304-2   |
| IN ACCORDANCE WITH THE INTENT OF SLANT SHEET | MIL-PRF-39012/3 REF.  |
| RECOMMENDED MATING TORQUE                    | 20 IN-LBS. NOM.   |
| FORCE TO ENGAGE                              | 6 IN-LBS. MAX.  |
| FORCE TO DISENGAGE                           | 6 IN-LBS. MIN.  |
| CONTACT CAPTIVATION (BOTH DIRECTIONS)        | 6 LBS. MIN.   |
| DURABILITY                                   | 500 CYCLES MIN.   |
| CENTER CONTACT INSERTION FORCE (INTERFACE)   | 2 LBS. MAX.   |
| CENTER CONTACT WITHDRAW FORCE (INTERFACE)    | 2 OZ. MIN.  |
| CABLE RETENTION                              | 20 LBS. MIN.  |
| MASS   | 38.17 GRAMS NOM.  |
| RECOMMENDED JAM NUT TORQUE                   | 40-45 IN-LBS.   |
|  |   |
| ELECTRICAL CHARACTERISTICS                   |   |
| IMPEDANCE                                    | 50 Ohms NOM.  |
| MAXIMUM FREQUENCY                            | 18 GHz  |
| VSWR DC - 18 GHz                             | 1.16:1MAX.  |
| INSERTION LOSS                               | 0.045 $\sqrt{F}$ (GHz) dB MAX.  |
| DIELECTRIC WITHSTANDING VOLTAGE              | 1800 Vrms MIN.  |
| INSULATION RESISTANCE                        | 5000 MegaOhms MIN.  |
| RF LEAKAGE DC - 18 GHz                       | -90 dB MIN.   |
| CORONA                                       | 450 Vrms MIN. @ 70,000 FEET   |
| RF HIGH POTENTIAL                            | 1200 Vrms MIN.  |
| CONTACT RESISTANCE (INNER)                   | 1.0 MilliOhms MAX.  |
| CONTACT RESISTANCE (OUTER)                   | 0.2 MilliOhms MAX.  |
|  |   |
|  |   |
| ENVIRONMENTAL CHARACTERISTICS                |   |
| OPERATING TEMPERATURE                        | -55 °C TO 150 °C  |
| VIBRATION                                    | MIL-STD-202, METHOD 204, CONDITION B  |
| MECHANICAL SHOCK                             | MIL-STD-202, METHOD 213, CONDITION I  |
| THERMAL SHOCK                                | MIL-STD-202, METHOD 107, CONDITION B  |
| MOISTURE RESISTANCE                          | MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)   |
| CORROSION                                    | MIL-STD-202, METHOD 101, CONDITION B, 5%  |
|  |   |
|  |   |
| MATERIALS AND FINISH                         |   |
| CONTACT                                      | BERYLLIUM COPPER PER ASTM-B-196,<br>GOLD PLATE PER MIL-DTL- 45204, OVER<br>NICKEL PLATE PER AMS-QQ-N-290. |
| BODY, CLAMP NUT, SLEEVE, & LOCKNUT           | STEEL, CORROSION RESISTANT,<br>PER ASTM-A-582, UNS NO. S30300,<br>PASSIVATE PER ASTM-A-967                |
| CONTACT RING                                 | BRASS, PER ASTM-B-16,<br>GOLD PLATE PER MIL-DTL-45204, OVER<br>NICKEL PLATE PER AMS-QQ-N-290              |
| DIELECTRIC BEAD                              | POLYPHENYLENE SULFIDE (PPS), PER ASTM-D-6358  |
| GASKET                                       | SILICONE RUBBER PER ZZ-R-765  |
| LOCKWASHER                                   | 302 STAINLESS STEEL, PASSIVATE PER ASTM-A-967   |
|  |   |
|  |   |
|  |   |
| APPLICATION                                  |   |
| CABLE(S)                                     | 205A SERIES CABLE   |
| INSTALLATION                                 | PER CONFIGURATOR  |
|  |   |
|  |   |

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NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

| REV. | DESCRIPTION     | DATE      | BY  | APPVD |
|------|-----------------|-----------|-----|-------|
| A    | INITIAL RELEASE | 07/07/05  | SRS | RS    |
| B    | ECO 65409       | 9/15/2006 | JMK | MJK   |
| C    | ECO 85094       | 4/1/2008  | PLM | JM    |
| D    | ECO 135241      | 5/1/2013  | MJM | RS    |

SPECIFICATION DRAWING

|   |  |  |     |   |  |   |  |      |       |           |             |     |
|---|--|--|-----|---|--|---|--|------|-------|-----------|-------------|-----|
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|   |  | DWN.   | SRS | 12/17/04  |  |   |  |      |       |           |             |     |
|   |  | CHKD.  | MJM | 5/2/13  |  |   |  |      |       |           |             |     |
|   |  | APPVD.   |     |   |  |   |  |      |       |           |             |     |
| TOLERANCES UNLESS OTHERWISE SPECIFIED   |  | TITLE  |     |   |  |   |  |      |       |           |             |     |
|   |  | N JACK, BULKHEAD, PRECISION, 205A SERIES CABLE |     |   |  |   |  |      |       |           |             |     |
| .XX   |  | ± .02  |     | ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989. |  | FSCM NO.  |  | SIZE | SCALE | SHEET NO. | DRAWING NO. | REV |
| .XXX  |  | ± .005   |     |   |  | 64639   |  | B    | 2:1   | 1 OF 1    | SD904223    | D   |
| .XXXX   |  | ± .0010  |     |   |  |   |  |      |       |           |             |     |
| ANGLES  |  | ± 2°   |     |   |  |   |  |      |       |           |             |     |