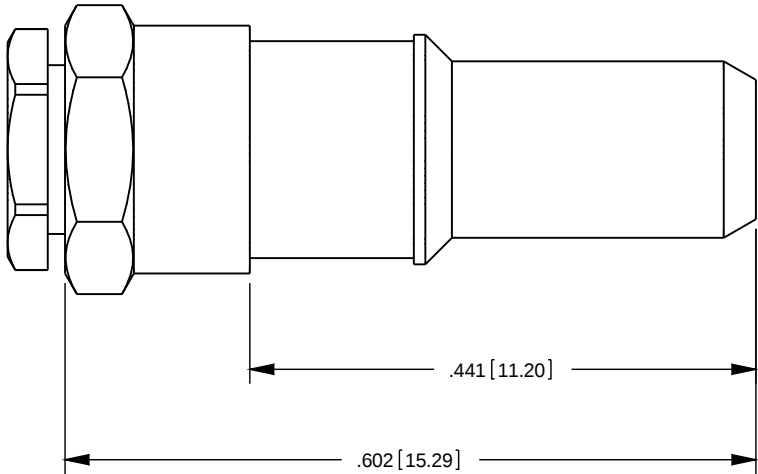
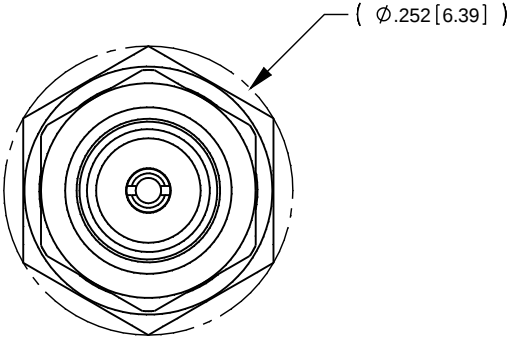


NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL SPECIFICATIONS:  
BODY, CENTER CONTACT, NUT AND SLEEVE: BRASS PER ASTM B16.  
CENTER CONTACT: COPPER ALLOY.  
INSULATOR: TEFLON PER ASTM D1710.
2. FINISH SPECIFICATIONS:  
BODY: .000015 MIN GOLD PER ASTM B488 OVER  
.000080 MIN NICKEL PER AMS-QQN-290 (RoHS).  
CONTACT: .000030 MIN GOLD PER ASTM B488 OVER  
.000080 MIN NICKEL PER AMS-QQN-290 (RoHS).  
ALL OTHER METAL PARTS: .000005 MIN GOLD PER ASTM B488 OVER  
.000080 MIN NICKEL PER AMS-QQN-290 (RoHS).
3. ELECTRICAL SPECIFICATIONS:  
FREQUENCY RANGE: DC - 4.0 GHz; USABLE UP TO 27 GHz.  
IMPEDANCE: 50 OHMS.  
RETURN LOSS: < -20 dB, 4.0 GHz - 18 GHz.  
< -18 dB UP TO 27 GHz.  
INSERTION LOSS:  $-0.015 \times \sqrt{F(\text{GHz})}$  dB.  
RF ISOLATION: -65 dB.

| REV | DESCRIPTION             | BY DATE        | APPD |
|-----|-------------------------|----------------|------|
| A   | RELEASED<br>PER ER25405 | DW<br>07/06/10 | CTC  |



CATALOG P/N: 1175-B20-08501H

|                                                                                                                                                                                                                           |                  |                  |                  |                                                                                                                                                                                                                   |          |         |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------|
| PER ASME Y14.5M-1994<br>UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES [MM]<br>TOLERANCES:<br>DECIMAL: .XX [X.X] ± .01 [0.3]<br>.XXX [X.XX] ± .005 [0.13]<br>.XXXX [X.XXX] ± .XXXX<br>ANGLES: ± 2°<br>SCALE: 6:1 |                  |                  |                  | <br>by WINCHESTER<br>Winchester Electronics Corporation<br>62 Barnes Industrial Road North<br>Wallingford, Connecticut 06492 |          |         |          |
| CUSTOMER<br>SALES DRAWING                                                                                                                                                                                                 |                  |                  |                  | 77 SERIES STRAIGHT PLUG                                                                                                                                                                                           |          |         |          |
| DRAWN<br>DAO                                                                                                                                                                                                              | DATE<br>05/05/10 | APPROVED<br>DCam | DATE<br>05/10/10 |                                                                                                                              |          |         |          |
| APPROVED<br>YA                                                                                                                                                                                                            | DATE<br>5/10/10  | APPROVED<br>XXX  | DATE<br>XX/XX/XX |                                                                                                                                                                                                                   |          |         |          |
| A                                                                                                                                                                                                                         |                  |                  |                  | SD1175-B20-08501                                                                                                                                                                                                  | SHT<br>1 | OF<br>1 | REV<br>A |