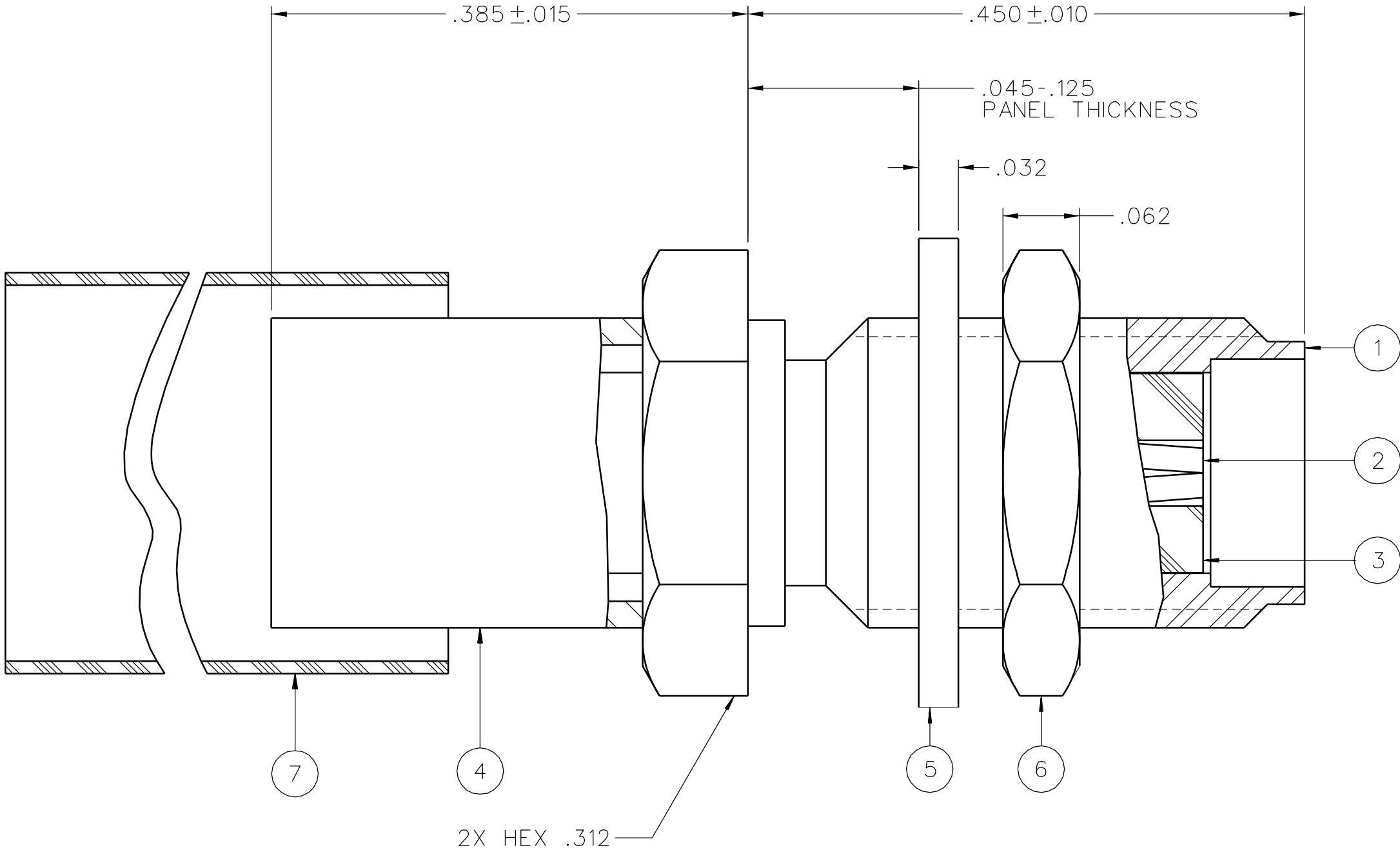


| PART NUMBER  | ITEM ①<br>BODY                                                     | ITEM ②<br>CONTACT                                                                                | ITEM ③<br>INSULATOR | ITEM ④<br>CRIMP SLEEVE                                                                 | ITEM ⑤<br>LOCK WASHER                                              | ITEM ⑥<br>NUT                                                      | ITEM ⑦<br>HEAT SHRINK      |
|--------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------|
| 141-0307-411 | STAINLESS STEEL<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | COPPER<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | STAINLESS STEEL<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN | STAINLESS STEEL<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN | POLYOLEFIN<br>COLOR: BLACK |
| 141-0307-412 | STAINLESS STEEL<br>PASSIVATED                                      | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | COPPER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | STAINLESS STEEL<br>PASSIVATED                                      | STAINLESS STEEL<br>PASSIVATED                                      | POLYOLEFIN<br>COLOR: BLACK |



NOTES:

1. SPECIFICATIONS:

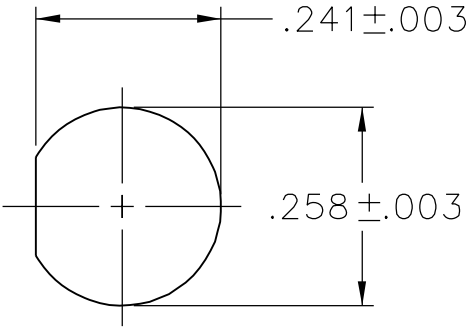
IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-12.4 GHz  
VSWR:  $1.15 \pm .01$  F MAX (F IN GHz)  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 5000 MEGOHM MIN  
CONTACT RESISTANCE:  
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX  
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX  
AFTER ENVIRONMENTAL NOT APPLICABLE  
BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED)  
5.0 MILLIOHM MAX (PASSIVATED)  
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET  
INSERTION LOSS:  $.06 \sqrt{F}$  MAX (F IN GHz) AT 6 GHz  
RF LEAKAGE: -60 DB MIN AT 2.5 GHz  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 IN-LBS MAX  
MATING TORQUE: 7-10 IN-LBS  
COUPLING PROOF TORQUE: NOT APPLICABLE  
COUPLING NUT RETENTION: NOT APPLICABLE  
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE  
CABLE ACCEPTABILITY: RG 58/U, RG 141/U, RG 303/U  
CABLE HEX CRIMP SIZE: .213  
CONTACT CRIMP TOOL: MIL M22520/1-01  
CABLE RETENTION: 40 LBS MIN AXIAL FORCE  
DURABILITY: 500 CYCLES MIN

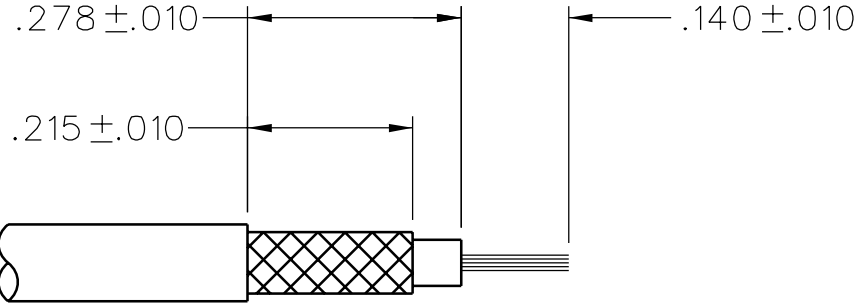
ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)  
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 85° C HIGH TEMP  
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C  
CORROSION: MIL-STD-202, METHOD 101, CONDITION B  
SHOCK: MIL-STD-202, METHOD 213, CONDITION I  
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D  
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



MOUNTING HOLE

4:1



CABLE STRIP DIMENSIONS

4:1

|                                      |    |              |         |                                                                                                                                                                            |
|--------------------------------------|----|--------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |    | DRAWN BY     | DATE    |  <b>Connectivity Solutions</b><br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |
| DECIMALS                             | mm | TAK          | 7-8-92  |                                                                                                                                                                            |
| .XX                                  |    | CHECKED BY   | DATE    | TITLE<br>JACK ASSEMBLY<br>STRAIGHT CABLED BULKHEAD<br>SMA, RG 58                                                                                                           |
| .XXX                                 |    |              |         |                                                                                                                                                                            |
| MATL                                 |    | APPROVED BY  | DATE    | SHEET<br>2 OF 2                                                                                                                                                            |
|                                      |    | RJB/TAK      | 8-28-92 |                                                                                                                                                                            |
| FINISH                               |    | RELEASE DATE | 9-1-92  | DRAWING NO.<br>C - 141-0307-411/420                                                                                                                                        |
|                                      |    | U/M          | INCH    |                                                                                                                                                                            |
|                                      |    | SCALE        | 10:1    |                                                                                                                                                                            |

|                                          |           |             |             |             |             |  |          |       |       |
|------------------------------------------|-----------|-------------|-------------|-------------|-------------|--|----------|-------|-------|
| DRAWING NO.                              |           |             |             |             |             |  |          |       |       |
| C - 141-0307-411/420                     |           |             |             |             |             |  |          |       |       |
| 0                                        | REVISIONS |             |             |             |             |  |          |       |       |
| ENGINEERING RELEASE                      |           |             |             |             |             |  |          |       |       |
| 1                                        | 8-27-92   | R<br>H      | T<br>A<br>K | R<br>B      | P<br>A<br>H |  | 9-1-92   | ECO   | 41193 |
| ADDED: ITEM 7 HEAT SHRINK                |           |             |             |             |             |  |          |       |       |
| 2                                        | 10-6-92   | R<br>H      | T<br>A<br>K | R<br>J<br>B | P<br>A<br>H |  | 10-29-92 | ECO   | 41310 |
| VERSION UPDATE                           |           |             |             |             |             |  |          |       |       |
| *****                                    |           |             |             |             |             |  |          |       |       |
| * REVISION NUMBER FOLLOWED BY AN ALPHA * |           |             |             |             |             |  |          |       |       |
| * CHARACTER INDICATES DRAWING CLARIFI *  |           |             |             |             |             |  |          |       |       |
| * CATION OR PART NUMBER ADDITION ONLY. * |           |             |             |             |             |  |          |       |       |
| *****                                    |           |             |             |             |             |  |          |       |       |
| 2a                                       | 1-31-95   | R<br>H      | S<br>W<br>C | T<br>A<br>K | R<br>B      |  | ECN      | 43186 |       |
| GRAPHICS & VERSION UPDATE                |           |             |             |             |             |  |          |       |       |
| 3                                        | 12-19-05  | P<br>A<br>T | S<br>B<br>D | P<br>D<br>W |             |  | 5-12-06  | ECN   | 50083 |

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED  
PER ASME Y 14.5M - 1994

"μSTATION"

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