

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

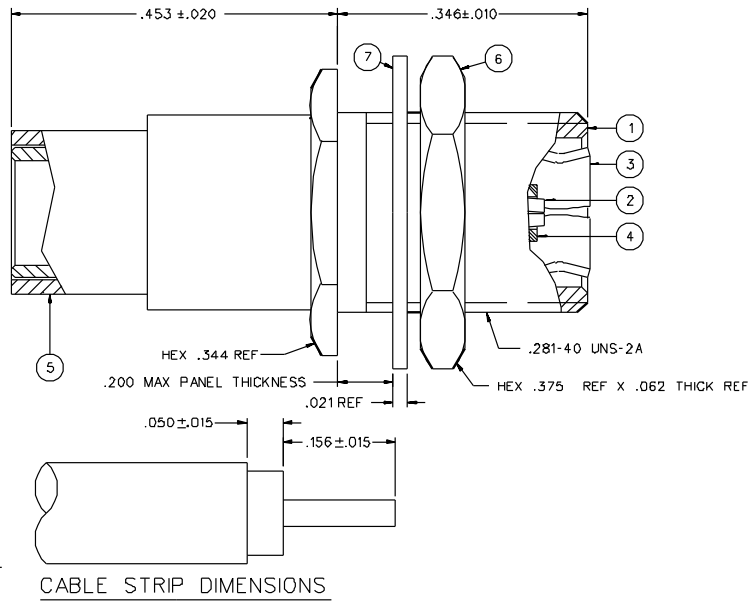
[Bel Fuse Inc.](#)  
[131-3694-401](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

| PART NUMBER  | ITEM - ①<br>BODY                                                                      | ITEM - ②<br>CONTACT                                                                              | ITEM - ③<br>INTERFACE                                                                            | ITEM - ④<br>INSULATOR | ITEM - ⑤<br>SOLDER SLEEVE                                                              | ITEM - ⑥<br>MOUNTING NUT                                                              | ITEM - ⑦<br>LOCKWASHER                                                                          |
|--------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 131-3694-401 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 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 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | PHOSPHOR BRONZE<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN |
| 131-3694-406 | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 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                             | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | PHOSPHOR BRONZE<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN                            |

|                                     |           |   |           |
|-------------------------------------|-----------|---|-----------|
| DRAWING NO.<br>C - 131-3694-401/410 |           |   |           |
| 0                                   | REVISIONS |   |           |
| ENGINEERING RELEASE                 |           |   |           |
| 1                                   | 5-26-98   | R | ECN 45592 |

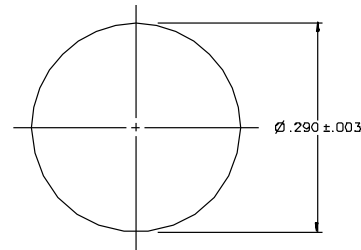


**NOTES:**

**1. SPECIFICATIONS:**

IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-4 GHZ  
VSWR: 1.25-.04 F (F IN GHZ) (50 OHM CABLE ONLY)  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 1000 MEGOHM MIN  
CONTACT RESISTANCE:  
CENTER CONTACT - INITIAL 8 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX  
OUTER CONDUCTOR - COLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX, NICKEL PLATED INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL 3.5 MILLIOHM MAX  
BRAID TO BODY - COLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE, NICKEL PLATED INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET  
INSERTION LOSS: .30 DB MAX AT 1.5 GHZ (50 OHM CABLE ONLY)  
RF LEAKAGE: .55 DB MIN AT 2.5 GHZ (50 OHM CABLE ONLY)  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS MIN AT 4 AND 7 MHZ  
**MECHANICAL:**  
ENGAGE/DISENGAGE FORCE: INITIAL 14 LBS MAX, AFTER DURABILITY 14 LBS MAX  
ENGAGEMENT: 2 LBS MIN DISENGAGEMENT  
MATING TORQUE: NOT APPLICABLE  
COUPLING PROOF TORQUE: NOT APPLICABLE  
COUPLING NUT RETENTION: NOT APPLICABLE  
CONTACT RETENTION: 4 LBS MIN AXIAL FORCE  
CABLE ACCEPTABILITY: RG 402, .141 SEMI-RIGID  
CABLE HEX CRIMP SIZE: NOT APPLICABLE  
CABLE RETENTION: 55 IN-OZ MIN TORQUE, 60 LBS MIN AXIAL FORCE  
DURABILITY: 500 CYCLES MIN  
**ENVIRONMENTAL:**  
(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)  
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B  
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C  
CORROSION: MIL-STD-202, METHOD 101, CONDITION B  
SHOCK: MIL-STD-202, METHOD 213, CONDITION B  
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B

**CABLE STRIP DIMENSIONS**



**RECOMMENDED MOUNTING HOLE**

**CUSTOMER DRAWING**

THIS DRAWING TO BE INTERPRETED  
PER ANSI Y 14.5M - 1982  
"μSTATION"

COMPANY CONFIDENTIAL

|                                      |                    |                 |                                                                                                          |
|--------------------------------------|--------------------|-----------------|----------------------------------------------------------------------------------------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | DRAWN BY<br>RJB    | DATE<br>4-30-98 | <p>Cinch Connectivity Solutions<br/>299 Johnson Ave. Ste 100<br/>Warren, MI 48093<br/>1-800-247-8256</p> |
| DECIMALS<br>.XX                      | CHECKED BY<br>RJB  | DATE<br>5-26-98 |                                                                                                          |
| XXX                                  | APPROVED BY<br>RJB | DATE            |                                                                                                          |
| WALL                                 | APPROVED BY        | DATE            |                                                                                                          |
| FINISH                               | RELEASE DATE       |                 | <p>CODE NO. C - 131-3694-401/410</p> <p>DRAWING NO.</p> <p>SCALE 10:1 U/M INCH SHEET 2 OF 2</p>          |