

## Excellent Integrated System Limited

Stocking Distributor

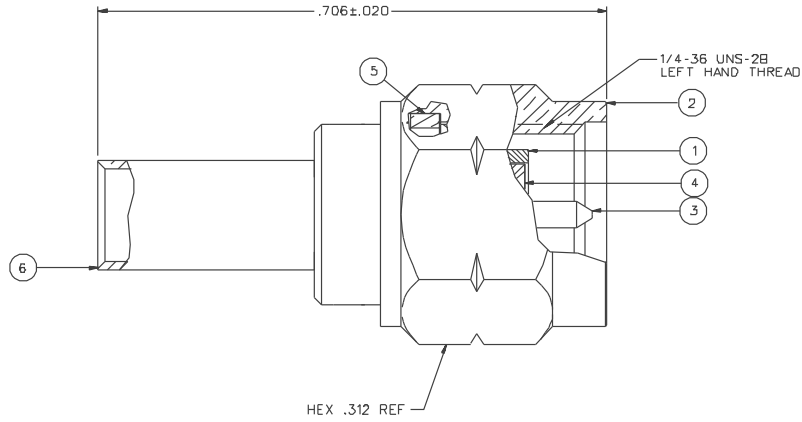
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)  
[142-5403-001](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

PART NUMBER	ITEM ①	ITEM ②	ITEM ③	ITEM ④	ITEM ⑤	ITEM ⑥
142-5403-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	CRIMP SLEEVE COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-5403-006	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN

DRAWING NO. C - 142-5403-001/010	
REVISIONS	
ENGINEERING RELEASE	
1	10-2-98 R H S T T R B H 11-17-99 S J B B F E C N 43809
VERSION UPDATE	
1a	5-5-DD R H S T T R B H 11-17-99 S J B B F E C N 47091
ADDED: CRIMP TOOL P/N'S TO CRIMP CRIMP SLEEVES TO CONTACTS = REVISION NUMBER FOLLOWED BY AN ALPHA = = CHANGE IN DRAWING CLAUSE = = CAUTION ON PART NUMBER ADDITION ONLY =	
1b	12-11-00 R H S T T R B H 11-17-99 S J B B F E C N 47309



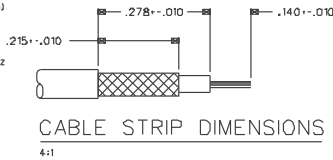
NOTES:

I. SPECIFICATIONS:

IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: 0-12.4 GHz  
 VSWR: 1.15-.02 F MAX (F IN GHz)  
 WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL  
 DIELECTRIC WITHSTANDING VOLTAGE: 750 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 AND SILVER PLATED)  
 5.0 MILLIOHM MAX (NICKEL PLATED)  
 CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET  
 INSERTION LOSS: .06 V/F DB MAX (F IN GHz) AT 6 GHz  
 RF LEAKAGE: -60 DB MIN AT 2.5 GHz  
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 500 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:  
 ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX  
 MATING TORQUE: 7-10 INCH POUNDS  
 COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN  
 COUPLING NUT RETENTION: 60 LBS MIN  
 CONTACT RETENTION: 6 LBS MIN  
 CABLE ACCEPTABILITY: RG 188/U, RG 316/U, RG 184/U  
 CABLE HEX CRIMP SIZE: .125  
 CONTACT CRIMP TOOL: P/N 144-0000-910 WITH POSITIONER 141-0000-907  
 CABLE RETENTION: 20 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, EXCEPT 65° C HIGH TEMP  
 OPERATING TEMPERATURE: -65° C TO 165° 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



CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY SWC	DATE 7-8-98	 Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waukegan, IL 60087 1-800-247-6256
DECIMALS	CHECKED BY SWC	DATE 10-2-98	
.XX	APPROVED BY TAK	DATE 10-6-98	TITLE PLUG ASSEMBLY STRAIGHT CABLED, LEFT HAND THREAD SMA, RG 316
.XXX REF	APPROVED BY RJB	DATE 10-7-98	CODE NO. DRAWING NO. C - 142-5403-001/010
MATL	RELEASE DATE	5-5-00	SCALE 10:1 U/M INCH SHEET 2 OF 2