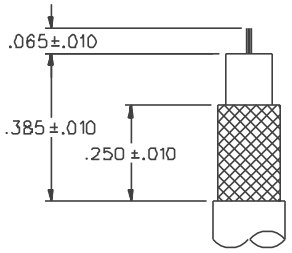
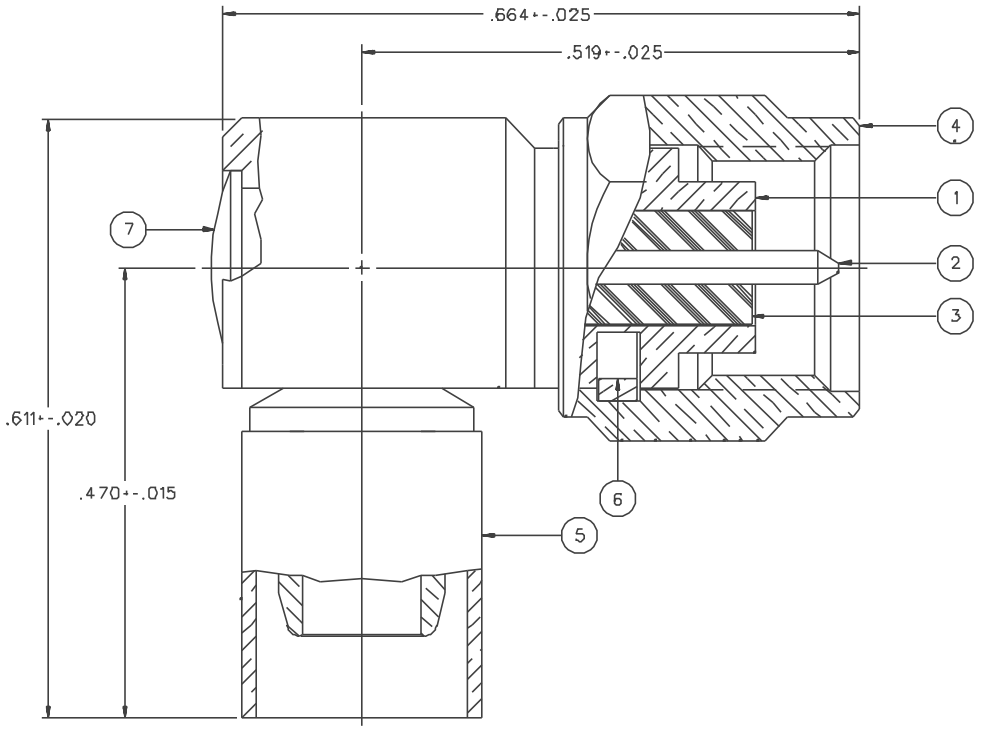
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ HEX NUT	ITEM ⑤ CRIMP SLEEVE	ITEM ⑥ RETENTION SPRING	ITEM ⑦ END CAP
142-0407-101	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0407-104	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	TEFLON	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	BERYLLIUM COPPER UNPLATED	BRASS SILVER PL .00005 MIN OVER COPPER PL .000075 MIN
142-0407-106	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



CABLE STRIP DIMENSIONS

4:1



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHZ
VSWR: 1.15+.02F 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 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 6.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED), 5.0 MILLIOHMS MAX (NICKEL PLATED)
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .15 √F (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 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 58, RG 141, RG 303
CABLE HEX CRIMP SIZE: .213
CABLE RETENTION: 40 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 +85 DEG 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

DRAWING NO.
C - 142-0407-101/110

0	REVISIONS		
ENGINEERING RELEASE			
01	03-08-89	EJ	D4-10-89 ECO 23621
CHANGED: .664+-.025 WAS .675+-.010, .519+-.025 WAS .520+-.010, .611+-.020 WAS .626+-.010, .470+-.015 WAS .470+-.010, REVISED SPECS			
02	11-11-90	RH	11-20-90 ECO 24983
ADDED: P/N 142-0407-101			
3	1-5-92	RH	1-9-92 ECO 40802
CHANGED: DRAWING WAS "D" SIZE, RF LEAK 2.5 GHZ WAS 2 TO 3 GHZ, RF HIGH POT 4 AND 7 MHZ WAS 5 TO 7.5 MHZ			
4	4-9-92	RH	4-20-92 ECO 40915
CHANGED: CABLE STRIP DIMENSION .065+-.010 WAS .062+-.010, .385+-.010 WAS .335+-.010 AND .250+-.010 WAS .200+-.010, UPDATED GRAPHICS			
5	.12-3-93	RH	12-22-93 ECO 42113
CHANGED: 142-0407-104 COPPER BODY, CONTACT AND NUT WERE BRASS			
* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFI- CATION OR PART NUMBER ADDITION ONLY.			
5a	.2-16-00	RH	ECO 46426

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	EJ	8-12-87
.XX		CHECKED BY	DATE
.XXX		APPROVED BY TAK	DATE 3-10-89
MATL		APPROVED BY RJB	DATE 3-13-89
FINISH		RELEASE DATE	4-10-89

JOHNSON a cinch connectivity solutions brand
Cinch Connectivity Solutions
299 Johnson Ave. Ste. 100
Waseca, MN 56093
1-800-247-8256

TITLE: PLUG ASSEMBLY, RA CABLED SMA, RG 58

CODE NO. | DRAWING NO. C - 142-0407-101/110

SCALE 10:1 | U/M INCH | SHEET 2 OF 2

Please read our datasheet & drawing disclaimer here.