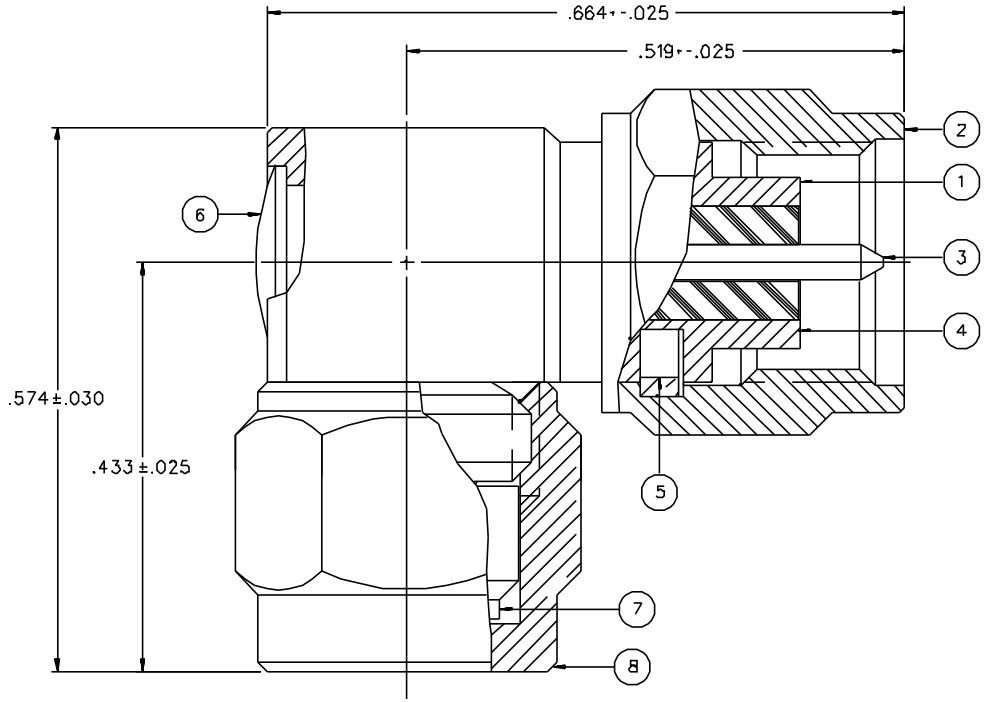
PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING	ITEM ⑥ END CAP	ITEM ⑦ CLAMP CONE
142-0203-101	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .0005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0203-106	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	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	BERYLLIUM COPPER UNPLATED	BRASS NICKEL PL .0001 MIN OVER COPPER PL .0005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN

PART NUMBER	ITEM ⑧ CLAMP NUT
142-0203-101	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0005 MIN OVER COPPER PL .00005 MIN
142-0203-106	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



NOTES:

1. SPECIFICATIONS:

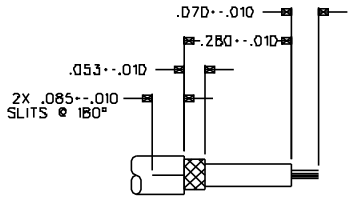
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15+.03 F MAX (F IN GHz)
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 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 MILLIOHM MAX (NICKEL PLATED)
CORONA LEVEL: 190 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: 500 VRMS 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 161/U, RG 174/U
CABLE HEX CRIMP SIZE: NOT APPLICABLE
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 -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



CABLE STRIP DIMENSIONS

4:1

DRAWING NO. C - 142-0203-101/110

0	REVISIONS			
ENGINEERING RELEASE				
1	1-8-91	RVC HJ	RJA AA	1-22-91 ECO 24991
CHANGED: RF LEAK 2.5 GHz WAS 2 TO 3, RF HIGH POT 4 AND 7 MHz WAS 5 TO 7.5				
2	4-6-92	RH	RMF MV	4-14-92 ECO 40918
CHANGED: CABLE STRIP DIMENSION .053+-.010 WAS .050+-.010				
3	12-14-93	RHR	TAB	ECO 42208

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY EJ	DATE 5-1-90	JOHNSON a cinch connectivity solutions brand	Cinch Connectivity Solutions 299 Johnson Ave, Ste. 100 Waseca, MN 56093 1-800-247-8256
DECIMALS	mm	CHECKED BY	DATE	TITLE	PLUG ASSEMBLY, RA CABLED, RG 316 SMA
.XX		APPROVED BY VET	DATE 1-14-91		
.XXX		APPROVED BY RJB	DATE 1-14-91	CODE NO.	DRAWING NO. C - 142-0203-101/110
MATL		RELEASE DATE	1-22-91	SCALE 10:1	U/M INCH SHEET 2 OF 2
FINISH					

Please read our datasheet & drawing disclaimer here.