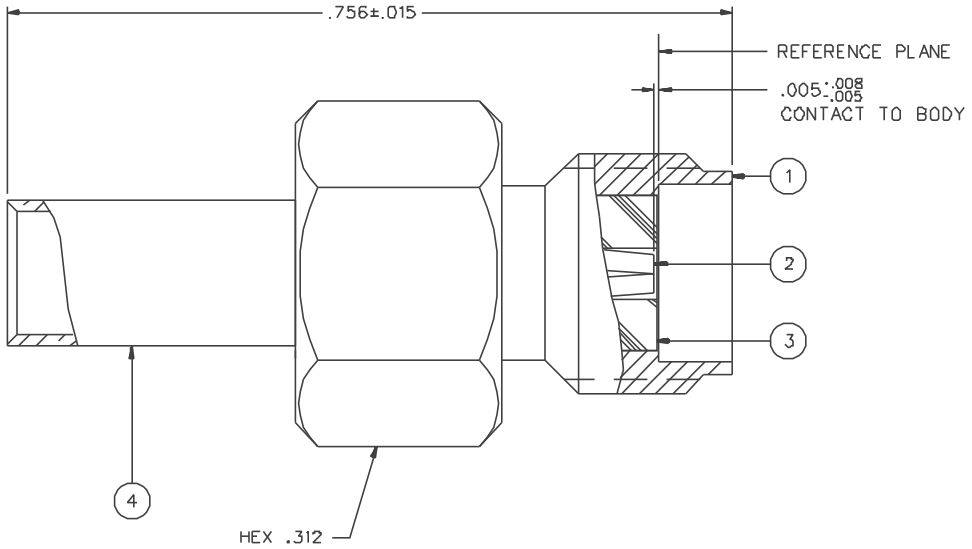
PART NUMBER	ITEM (1) BODY	ITEM (2) CONTACT	ITEM (3) INSULATOR	ITEM (4) CRIMP SLEEVE
142-0303-011	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0303-016	BRASS NICKEL PL .00001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



NOTES:

1. SPECIFICATIONS:

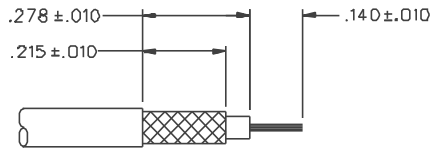
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15+.02F MAX (F IN GHz)
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED) 5.0 MILLIOHM MAX (NICKEL PLATED)
CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06 $\sqrt{F}$ 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: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 6 LBS MIN
CABLE ACCEPTABILITY: RG 188/U, RG 316/U RG 161/U, RG 174/U
CABLE HEX CRIMP SIZE: .128
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 85° 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



CABLE STRIP DIMENSIONS
4:1

DRAWING NO.
C - 142-0303-011/020

0	REVISIONS

ENGINEERING RELEASE
1 | 8-28-92 | RH IAK NJB | 9-1-92 ECO 41221

VERSION UPDATE
1a | 4-17-95 | RH SWC IAK RJB PAH | 4-26-95 ECN 43193

VERSION UPDATE
1b | 5-17-00 | RH XXX XXX XXX LH | 8-2-00 ECN 47111

ADDED: CONTACT CRIMP TOOL P/N'S
* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFI- * CATION OR PART NUMBER ADDITION ONLY. *

1c | 11-7-00 | RH IAK JB | ECN 47318

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSIY 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	TAK	5-14-92
.XX		CHECKED BY	DATE
.XXX REF			
MATL		APPROVED BY TAK	DATE 8-28-92
FINISH		APPROVED BY RJB	DATE 8-28-92
		RELEASE DATE	9-1-92

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

TITLE: JACK ASSEMBLY STRAIGHT CABLED SMA, RG 316

CODE NO. | DRAWING NO. C - 142-0303-011/020

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Cinch:

21-14-M5.0 40-9715HM 415-0203-024 8-141 DD2466134 147-0701-241 30-9506-88 40-98443N-C 415-0030-MM150 415-0536-012 M24308/4-5F M49142/03-0005 135-3402-001 30-9516 415-0043-MM250 CJ70-7 111-0102-001 131-3701-306 DEUH-9P 145-0701-821 ATT-0263-04-SMA-02 CN1021A14G03P8-040 142-0403-011 CN0967C10A20P6-040 108-0913-001 12-141 C0909A18-11PN-106 145-0693-002 147-0701-832 415-0028-048