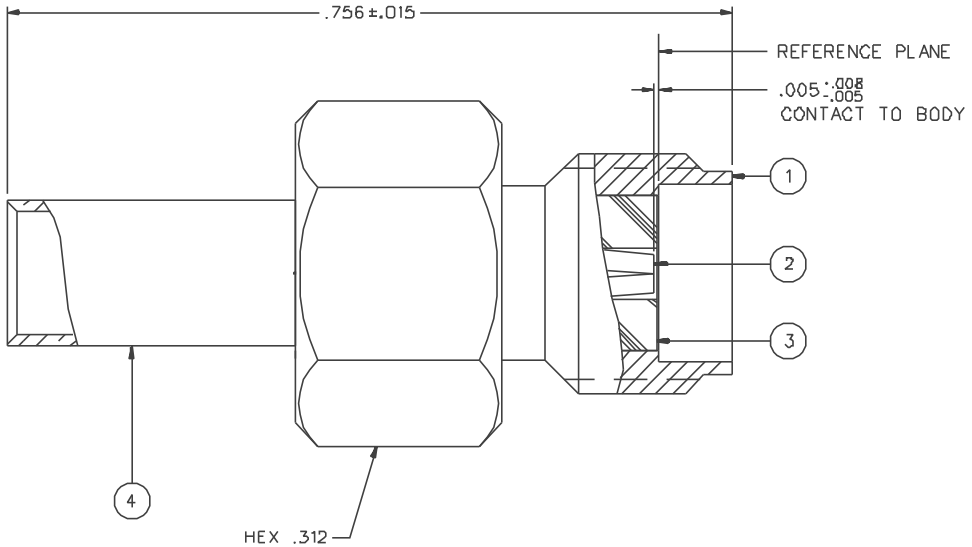
PART NUMBER	ITEM (1) BODY	ITEM (2) CONTACT	ITEM (3) INSULATOR	ITEM (4) CRIMP SLEEVE
142-0333-011	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0333-016	BRASS NICKEL PL .0001 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:

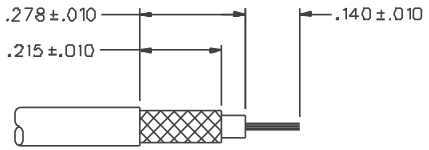
IMPEDANCE: 50 OHMS (MAIN BODY ONLY, USES 75 OHM CABLE)
FREQUENCY RANGE: 0-12.4 GHz
VSWR: NOT APPLICABLE
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM 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: NOT APPLICABLE
RF LEAKAGE: NOT APPLICABLE
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 179/U, RG 187/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 - 142-0333-011/020

0	REVISIONS				
ENGINEERING RELEASE					
1	4-8-93	R H	JRK	RJB	PAH 5-27-93 ECO 41680
VERSION UPDATE					
1a	2-5-95	R H	WAK	RJB	3-1-95 ECN 43202
VERSION UPDATE					
1b	5-25-00	R H	KS	LG	8-2-00 ECN 47108
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	R H	TAK		ECN 47312

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSIY 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED DECIMALS .XX ——— mm .XXX REF ——— MATL FINISH	DRAWN BY JRK	DATE 1-14-93
	CHECKED BY JRK	DATE 4-16-93
	APPROVED BY JRK	DATE 4-16-93
	APPROVED BY TAK/RJB	DATE 4-21-93
	RELEASE DATE 5-27-93	

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 179	
CODE NO.	DRAWING NO. C - 142-0333-011/020	
SCALE 10:1	U/M INCH	SHEET 2 OF 2