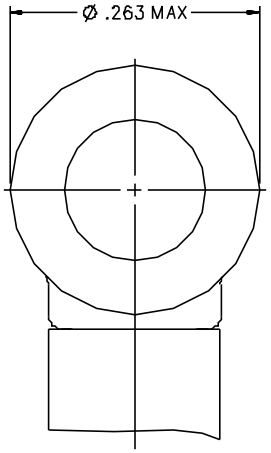
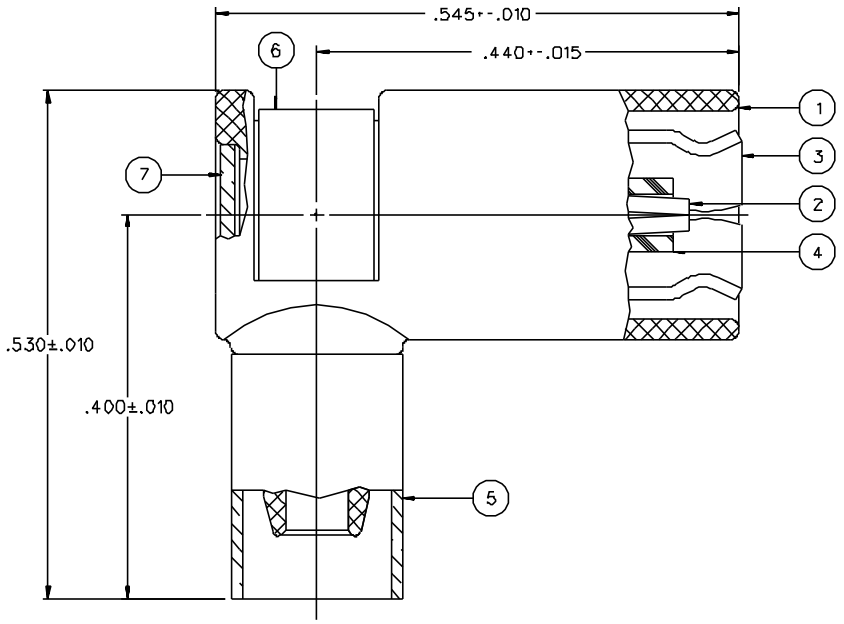
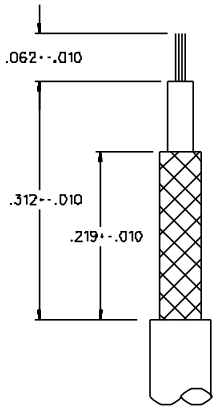
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INTERFACE	ITEM ④ INSULATOR	ITEM ⑤ SLEEVE	ITEM ⑥ COVER RING	ITEM ⑦ END CAP
131-1404-101	ZINC GOLD PL .00001 MIN OVER NICKEL PL .0D015 MIN OVER COPPER PL .0005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER GOLD PL .0DD01 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	PHOSPHOR BRONZE GOLD PL .0D001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .000D5 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .0DDD5 MIN
131-1404-106	ZINC NICKEL PL .0D015 MIN OVER COPPER PL .0005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	PHOSPHOR BRONZE NICKEL PL .0001 MIN OVER COPPER PL .000D5 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .0DDD5 MIN
131-1404-116	ZINC NICKEL PL .0D015 MIN OVER COPPER PL .0005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	PHOSPHOR BRONZE NICKEL PL .0001 MIN OVER COPPER PL .000D5 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .0DDD5 MIN







CABLE STRIP DIMENSIONS

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-4 GHZ
VSWR: 1.35+.04 F (F IN GHZ) (50 OHM CABLE ONLY)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 1DDD MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 12 MILLIOHM MAX, AFTER ENVIRONMENTAL 16 MILLIOHM MAX
OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX
NICKEL PLATED INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL 3.5 MILLIOHM MAX
BRAID TO BODY - 1 MILLIOHM MAX (GOLD PLATED), AFTER ENVIRONMENTAL NOT APPLICABLE
2.5 MILLIOHM MAX (NICKEL PLATED), AFTER ENVIRONMENTAL NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .60 dB MAX AT 1.5 GHZ (50 OHM CABLE ONLY)
RF LEAKAGE: -55 dB MIN AT 2 .5 GHZ (50 OHM CABLE ONLY)
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS MIN AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE FORCE: INITIAL 14 LBS MAX, AFTER DURABILITY 14 LBS MAX
ENGAGEMENT/2 LBS MIN DISENGAGEMENT
MATING TORQUE: NOT APPLICABLE
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENSION: NOT APPLICABLE
CONTACT RETENSION: 4 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: RG 316/U DOUBLE SHIELDED, RG 179 DOUBLE SHIELDED
RG 188/U DOUBLE SHIELDED, RG 187 DOUBLE SHIELDED
CABLE HEX CRIMP SIZE: .151
CABLE RETENSION: 20 LBS MIN OR CABLE BREAKING STRENGTH
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION B
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B

DRAWING NO. C - 131-1404-101/120

0	REVISIONS				
	CHANGED: REVISED AND REDRAWN. WAS "D" SIZE. DATED 6-17-86. BODY NICKEL PL .00015 WAS .0003				
3	8-3-90	EJ	MJB	AW	8-7-90 ECO 24807
	VERSION UPDATE				
4	6-23-92	RH	VET	TAK	MJB PAH 7-13-92 ECO 41075
	ADDED: (50 OHM CABLE ONLY) TO VSWR, INSERTION LOSS AND RF LEAK SPECS. "AFTER ENVIRONMENTAL NOT APPLICABLE" TO BRAID TO BODY, RG 179 DS AND RG 187 DS TO CABLE ACCEPTABILITY				
5	3-29-93	RH	JRK	TAK	MJB PAH 4-14-93 ECO 41742
	VERSION UPDATE				
	* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFI- * CATION OR PART NUMBER ADDITION ONLY. *				
5a	4-22-94	RH	JRK	TAK	MJB 5-10-94 ECN 42370
	VERSION UPDATE				
6	5-1-95	RH	TAK	MJB	ECN 43343

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE	JOHNSON	Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waseca, MN 56093 1-800-247-8256
DECIMALS	mm	EJ	8-3-90		
.XX		CHECKED BY	DATE	TITLE	PLUG ASSEMBLY RA CABLED SMB, 50 OHM, RG 316 DS
.XXX		APPROVED BY RJB	DATE 7-10-86		
MATL		APPROVED BY	DATE	CODE NO.	DRAWING NO. C - 131-1404-101/120
FINISH		RELEASE DATE	8-7-90 (7-14-86)	SCALE 10:1	U/M INCH SHEET 2 OF 2

Please read our datasheet & drawing disclaimer here.