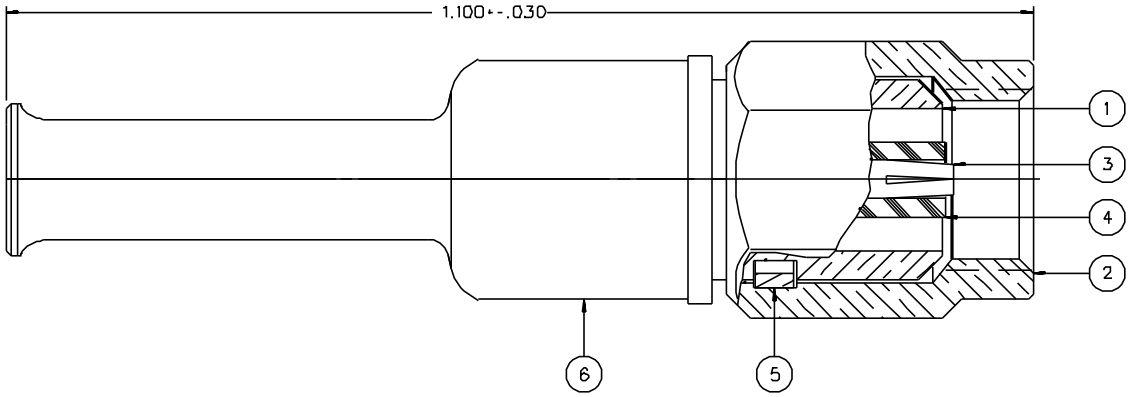
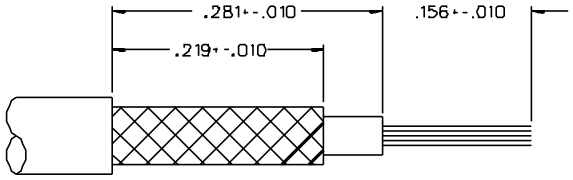
PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ SPRING	ITEM ⑥ CRIMP SLEEVE
131-6402-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0000S MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .000D3 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER GOLD PL .0000I MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .0000S MIN
131-6402-006	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .000D3 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER NICKEL PL .0001 MIN OVER COPPER PL .0000S MIN





CABLE STRIP DIMENSIONS

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-10 GHZ
VSWR: 1.25 + .04 F (F IN GHZ)
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 1000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX
OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL - NOT APPLICABLE
NICKEL PLATED INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL - NOT APPLICABLE
BRAID TO BODY - INITIAL 1 MILLIOHM MAX(GOLD PLATED)2.5 MILLIOHM MAX (NICKEL PL) AFTER ENVIRONMENTAL NOT APPLICABLE
CORONA LEVEL: 185 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .25 DB MAX AT 4 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: 16 OUNCE-INCH MAX
MATING TORQUE: 35-50 OUNCE INCH
COUPLING PROOF TORQUE: 100 OUNCE-INCH MIN
COUPLING NUT RETENTION: 35 LBS MIN
CONTACT RETENTION: 4 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: RG178/U, RG196/U
CABLE HEX CRIMP SIZE: .105
CONTACT CRIMP TOOL: JCI P/N 141-0000-911
CABLE RETENTION: 10 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 C
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D

DRAWING NO. C - 131-6402-001/010

0	REVISIONS	
ENGINEERING RELEASE		
01	03-31-89	4-12-89 ECO 23932
CHANGED: RF LEAK 2.5 GHZ WAS 2 TO 3 GHZ, RF HIGH POT 4 AND 7 MHZ WAS 5 MHZ		
2	3-2-93	3-29-93 ECO 41639
CHANGED: RF LEAK -60 DB WAS -55 DB		
2a	12-14-94	1-3-95 ECN 42965
ADDED: CONTACT CRIMP TOOL: JCI PART NUMBER 141-0000-911		
3	1-14-98	ECN 45279
CHANGED: UPDATED GRAPHICS		
• REVISION NUMBER FOLLOWED BY AN ALPHA • CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY.		
3a	8-27-99	ECN 46626

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY EJ	DATE 11-9-87
DECIMALS .XX ——— mm ——— .XXX ——— ———	CHECKED BY	DATE
MATL ———	APPROVED BY LCS	DATE 3-31-89
FINISH ———	APPROVED BY RJB	DATE 3-31-89
	RELEASE DATE 4-12-89	

JOHNSON — Cinch Connectivity Solutions, 299 Johnson Ave. Ste. 100, Waseca, MN 56093, 1-800-247-8256

TITLE: PLUG ASSEMBLY STRAIGHT CABLED SMC, RG 178

CODE NO. | DRAWING NO. C - 131-6402-001/010

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

Please read our datasheet & drawing disclaimer here.