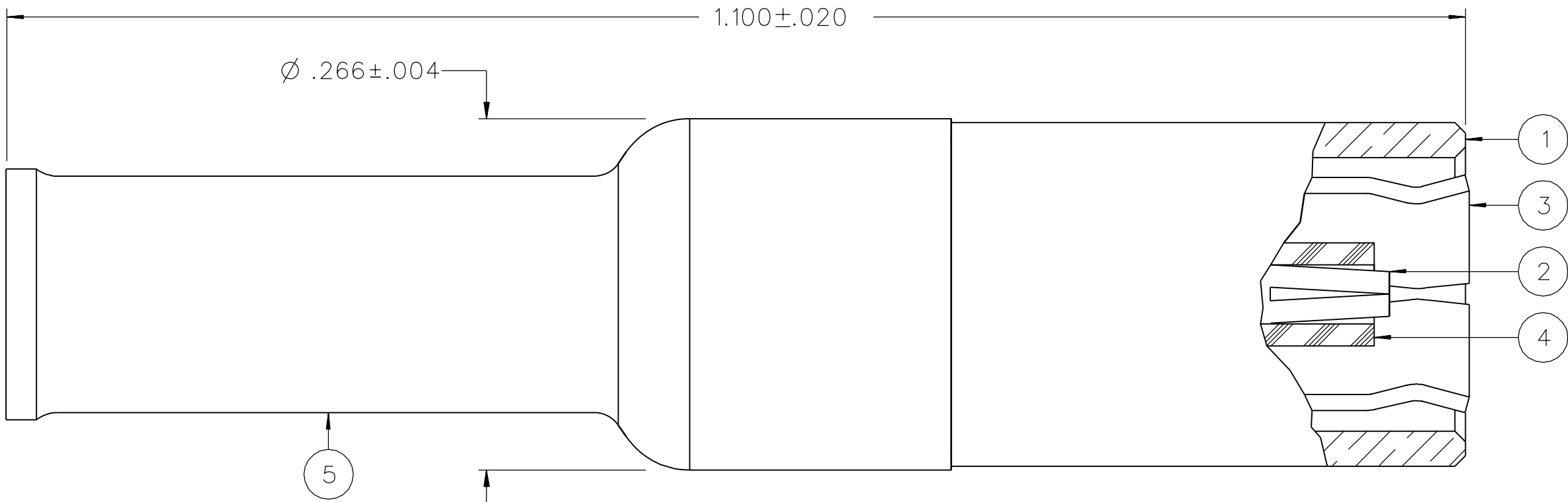


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INTERFACE	ITEM ④ INSULATOR	ITEM ⑤ CRIMP SLEEVE
131-3404-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER 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
131-3404-006	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	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
131-3404-016	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	BERYLLIUM COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



NOTES:

1. SPECIFICATIONS:

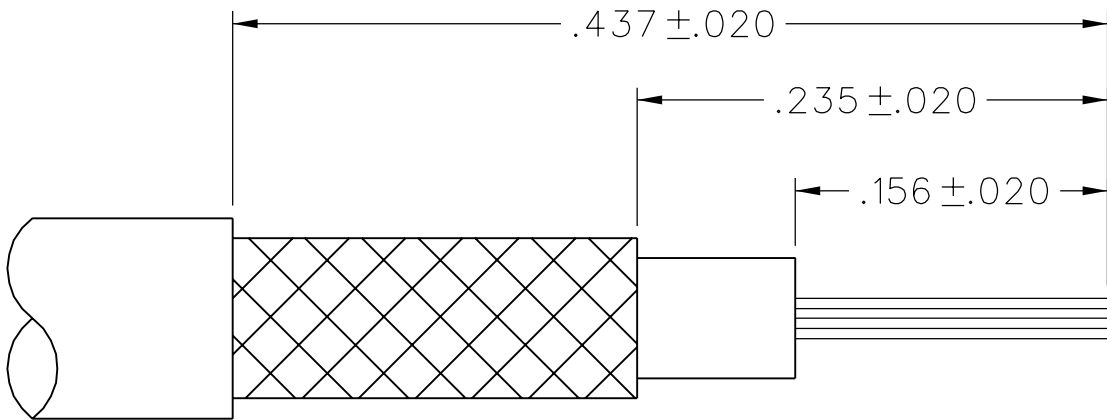
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-4 GHZ
VSWR: 1.25+.04 F (F IN GHZ) (50 OHM CABLE ONLY)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 1000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX
OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 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: .30 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 RETENTION: NOT APPLICABLE
CONTACT RETENTION: 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
CONTACT CRIMP TOOL: JCI P/N 141-0000-911.
CABLE RETENTION: 20 LBS MIN OR CABLE BREAKING STRENGTH
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-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



CABLE STRIP DIMENSIONS

DRAWING NO.						
C - 131-3404-001/020						
0	REVISIONS					
ENGINEERING RELEASE						
1	6-4-92	R H	V E	T A	R J B E M	6-18-92 ECO 4106
ADDED: P/N 131-3404-016						
2	11-20-92	R H	V E	T A	R J B P A H	12-3-92 ECO 4139
ADDED: (50 OHM CABLE ONLY) TO VSWR INSERTION LOSS AND RF LEA SPECS AFTER ENVIRONMENTAL... BRAID TO BODY, RG 179 DS AND R 187 DS TO CABLE ACCEPTABILITY						
3	3-30-93	R H	J R K	T A K	R J B P A H	4-14-93 ECO 4175
UPDATED GRAPHICS						
4	11-3-94	R H	T A K	R J B	P A H	11-10-94 ECN 4276
ADDED: CONTACT CRIMP TOOL NOTE TO SPECS						
5	9-27-97	R H	S W C	T A K	R J B B A	ECN 4496
VERSION UPDATE						

* REVISION NUMBER FOLLOWED BY AN ALPHA						
* CHARACTER INDICATES DRAWING CLARIFI-						
* CATION OR PART NUMBER ADDITION ONLY.						

5a	2-12-98	R H	S W C	T A K	R J B	ECN 4521
.156±.020 WAS .156±.015, ADD: .235 ±.020, .437±.020, REMOVED: .281±.01 ±.020±.015						

* REVISION NUMBER FOLLOWED BY AN ALPHA						
* CHARACTER INDICATES DRAWING CLARIFI-						
* CATION OR PART NUMBER ADDITION ONLY.						

5b	3-30-08	P A T	C S M	R J B	M J C N	4-7-08 ECN 5139

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY VET		DATE 4-8-92		 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS .XX _____		CHECKED BY TAK		DATE 6-15-92			
.XXX _____		APPROVED BY RJB		DATE 6-15-92		TITLE PLUG ASSEMBLY STRAIGHT CABLED SMB, 50 OHM, RG 316 DS	
MATL _____		RELEASE DATE 6-18-92		SHEET 2 OF 2			
FINISH _____		U/M INCH		SCALE 10:1		DRAWING NO. C - 131-3404-001/020	