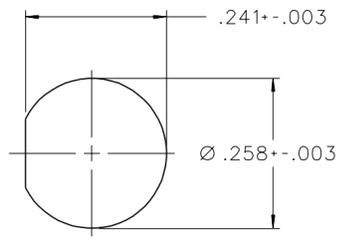


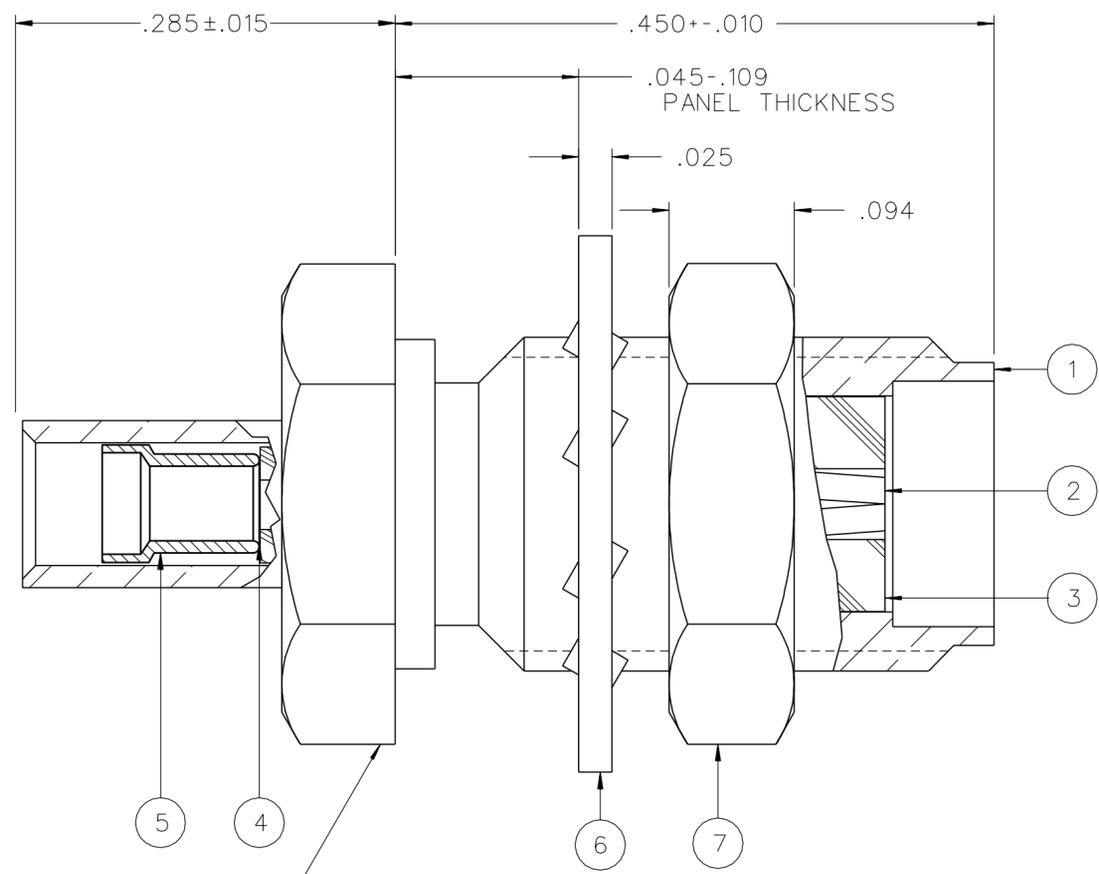
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ INSULATOR	ITEM ⑤ CRIMP INSERT	ITEM ⑥ LOCKWASHER	ITEM ⑦ NUT
142-0302-431	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0302-436	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	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRONZE NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN

DRAWING NO. C-142-0302-431/440	
0	REVISIONS
ENGINEERING RELEASE	
1	9-2-97 R H T R J B A 9-4-97 ECN 44893
CHANGED: STRIP DIMENSIONS .261+- .010 & .095+- .010 WERE .249+- .010 & .086+- .010	
***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * *****	
1a	10-15-97 R H T R J B A ECN 45064
BRASS WAS COPPER (2X), BRONZE BRASS (2X), .109 WAS .125, .025 WAS .032, .094 WAS .062 ADDED: LOCK	
2	1-23-01 R J C J H B N Z 9-23-05 ECN 47728



MOUNTING HOLE

4:1



NOTES:

1. SPECIFICATIONS:

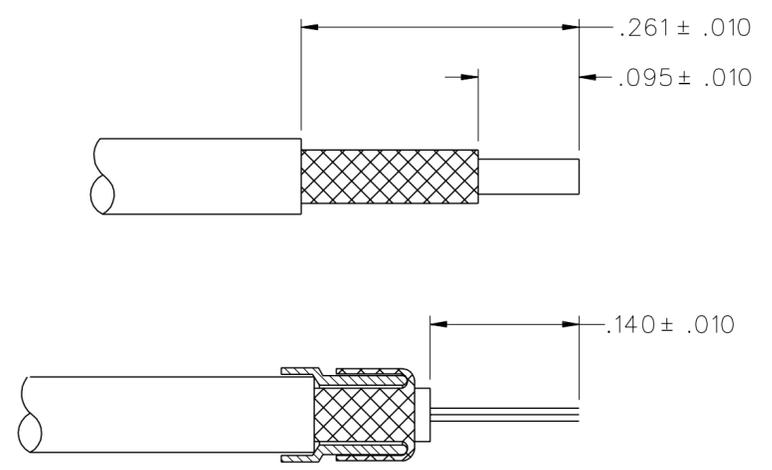
IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-12.4 GHz
 VSWR: 1.20+.025 F MAX (F IN GHz)
 WORKING VOLTAGE: 170 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 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: 125 VOLTS MIN AT 70,000 FEET
 INSERTION LOSS: .06√ F MAX (F IN GHz) AT 6 GHz
 RF LEAKAGE: -60 DB MIN AT 2 TO 3 GHz
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 335 VRMS MIN AT 5 TO 7.5 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 AXIAL FORCE
 CABLE ACCEPTABILITY: RG 178/U, RG 196/U
 CABLE HEX CRIMP SIZE: .105
 CONTACT CRIMP TOOL: MIL M22520/1-01
 CABLE RETENTION: 10 LBS MIN AXIAL FORCE
 DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 85°C HIGH TEMP
 OPERATING TEMPERATURE: -65 DEG C TO 165 DEG 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

8:1

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSII 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DECIMALS	mm	DRAWN BY	DATE	Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256
	.XX	_____	TAK	4-11-97	
.XXX ±.003	_____	_____	CHECKED BY	DATE	EMERSON Network Power
			TAK	9-2-97	
MATL	_____	_____	APPROVED BY	DATE	TITLE
			RJB	9-3-97	JACK ASSEMBLY, 3 PIECE STRAIGHT CABLED BULKHEAD SMA, RG 178
FINISH	_____	_____	RELEASE DATE	9-4-97	SHEET
			U/M INCH	SCALE 10:1	2 OF 2
					DRAWING NO. C-142-0302-431/440

Mouser Electronics

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