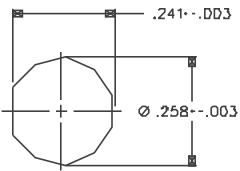


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ INSULATOR	ITEM ⑤ CRIMP INSERT	ITEM ⑥ WASHER	ITEM ⑦ NUT
142-0302-431	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON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



MOUNTING HOLE

4:1

NOTES:

1. SPECIFICATIONS:

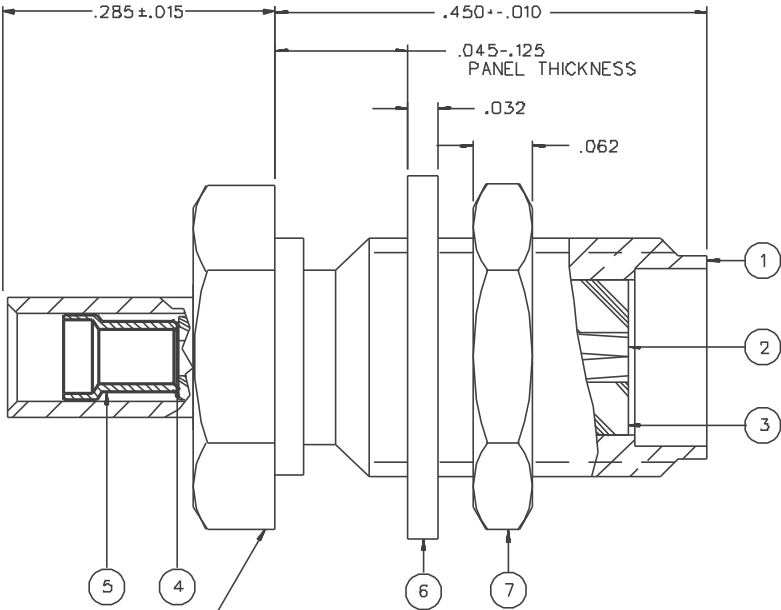
IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: D-12.4 GHz
 VSWR: 1.20 ± .025 F MAX (F IN GHz)
 WORKING VOLTAGE: 170 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 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:

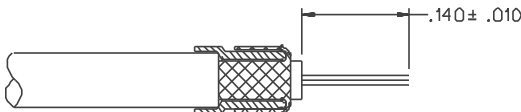
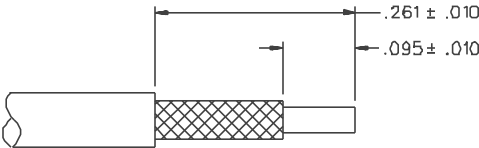
ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
 MATING TORQUE: 7-10 INCH POUNDS
 COUPLING PROOF TORQUE: NOT APPLICABLE
 COUPLING NUT RETENTION: NOT APPLICABLE
 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
 CABLE ACCEPTABILITY: RG-178/U, RG-196/U
 CABLE HEX CRIMP SIZE: .105
 CONTACT CRIMP TOOL: MIL M22520/1-01
 CABLE RETENTION: 10 LBS MIN AXIAL FORCE
 DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

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



2X HEX .312



CABLE STRIP DIMENSIONS

8:1

DRAWING NO. C - 142-0302-431/440	
0	REVISIONS
ENGINEERING RELEASE	
1	9-2-97 R H B B 9-4-97 ECN 44893
CHANGED: STRIP DIMENSIONS .261 ± .010 & .095 ± .010 WERE .249 ± .010 & .085 ± .010	
* REVISION NUMBER FOLLOWED BY AN ALPHA *	
* CHARACTER INDICATES DRAWING CHANGE *	
* CATION OR PART NUMBER ADDITION ONLY *	
1a	10-15-97 R H B B ECN 45064

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ANSY 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY TAK	DATE 4-11-97	 Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waukegan, MN 55093 1-800-247-8256	
DECIMALS .XX	mm	CHECKED BY	DATE		
.XXX REF		APPROVED BY TAK	DATE 9-2-97	TITLE JACK ASSEMBLY, STRAIGHT CABLED BULKHEAD SMA, RG 178	
MATL		APPROVED BY RJB	DATE 9-3-97	CODE NO.	DRAWING NO. C - 142-0302-431/440
FINISH		RELEASE DATE	9-4-97	SCALE 10:1	U/M INCH SHEET 2 OF 2

Mouser Electronics

Authorized Distributor

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