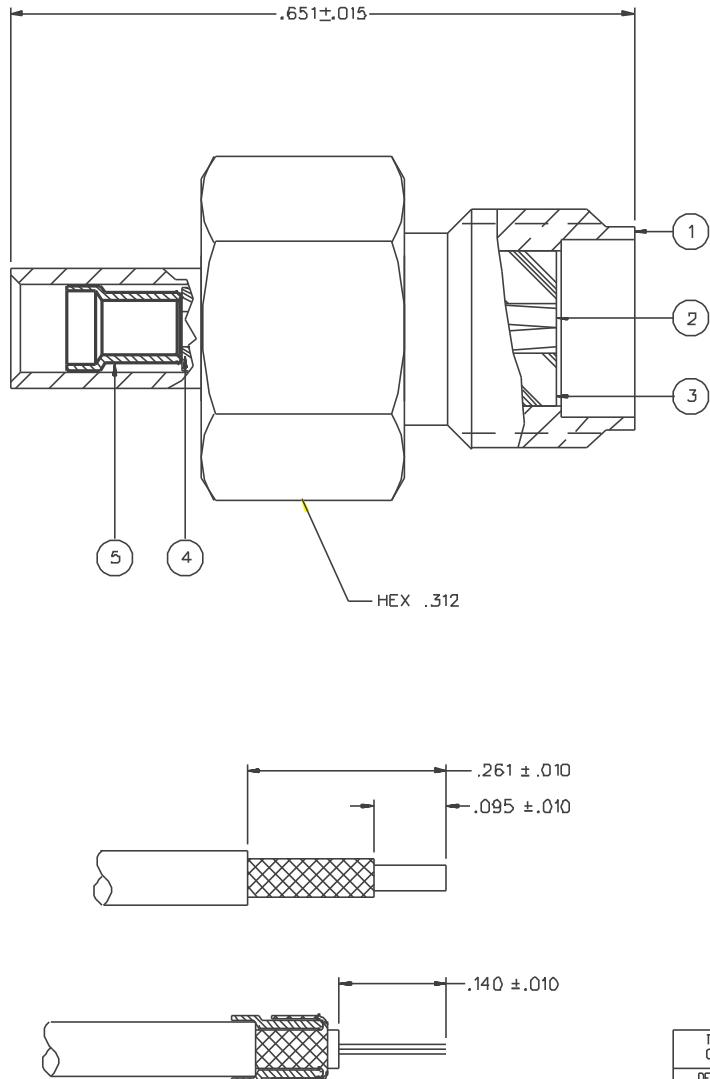


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ INSULATOR	ITEM ⑤ CRIMP INSERT
142-D302-011	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TEFLON	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-D302-016	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

DRAWING NO.					
C - 142-0302-011/020					
0 REVISIONS					
ENGINEERING RELEASE					
I 9-1-97 R H B 9-4-97 ECN 44889 CHANGED: STRIP DIMENSIONS .261 ⁺ .010 & .095 ⁺ .010 WERE .249 ⁺ .010 & .085 ⁺ .010					
***** • REVISION NUMBER FOLLOWED BY AN ALPHA • CHARACTER INDICATES DRAWING CLAMPS • CATION OR PART NUMBER ADDITION ONLY. *****					
1d 10-15-97 R H B 9-4-97 ECN 45065					



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: D-12.4 GHz
VSWR: 120.025 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: .06V 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, RC 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

CABLE STRIP DIMENSIONS

B1

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

"U" STATION

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE	JOHNSON® Crinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waseca, MN 56093 1-800-247-8256
DECIMALS .XX	mm —	CHECKED BY	DATE	
.XXX REF	—	APPROVED BY	DATE	JACK ASSEMBLY, STRAIGHT CABLED SMA, RG 178
MATL	—	TAK	9-2-97	
FINISH	—	APPROVED BY	DATE	CODE NO. DRAWING NO.
		RJB	9-3-97	C - 142-0302-011/020
			RELEASE DATE	9-4-97
SCALE 10:1 U/M INCH		U/M INCH	SHEET 2 OF 2	

Mouser Electronics

Authorized Distributor

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