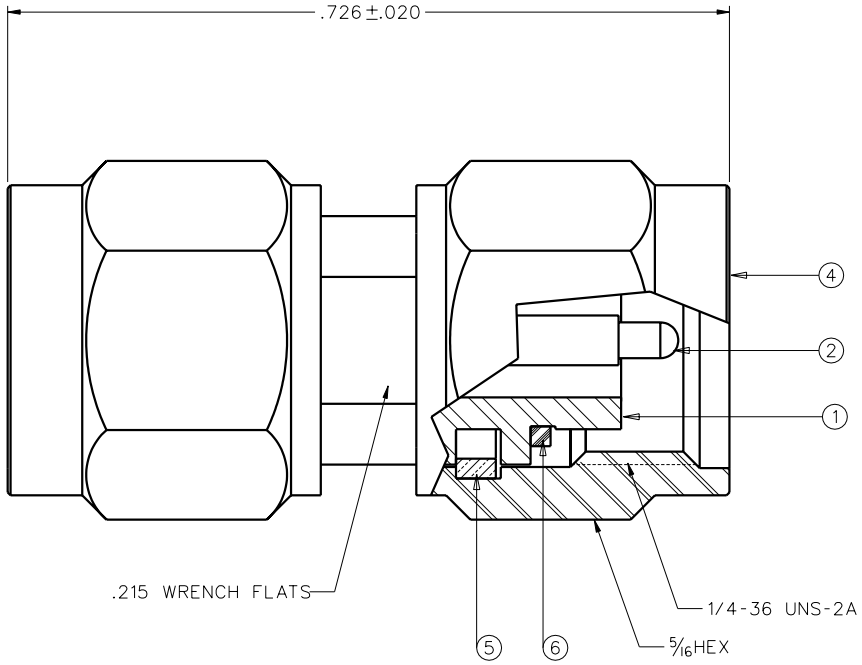
PART NUMBER	ITEM (1) BODY	ITEM (2) CONTACT	ITEM (3) (NOT SHOWN) SUPPORT BEAD	ITEM (4) (2X) COUPLING NUT	ITEM (5) (2X) RETENTION SPRING	ITEM (6) (2X) GASKET
145-0901-811	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	MODIFIED PPE RESIN	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER	BERYLLIUM COPPER UNPLATED	SILICONE

DRAWING NO.
C – 145-0901-811/820

0	REVISIONS			
ENGINEERING RELEASE				
1	4-21-04	T A K		12-17-03 ECN 49097



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-40.0 GHz
VSWR: 1.20 MAX
WORKING VOLTAGE: 500 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 6.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
BRAID TO BODY - NOT APPLICABLE
CORONA LEVEL: 375 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06 √F (F IN GHz)
RF LEAKAGE: -90 dB MIN AT 2.5 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1000 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH POUNDS
COUPLING PROOF TORQUE: 15 INCH-POUNDS
COUPLING NUT RETENTION: 60 POUNDS MINIMIUM
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: NOT APPLICABLE
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: NOT APPLICABLE
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 I
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE	JOHNSON Components™ 299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	
DECIMALS	mm	T.A.Kari	12-11-03		
.XX		CHECKED BY	DATE	TITLE	
.XXX				ADAPTER ASSEMBLY PLUG TO PLUG SMK (2.92mm)	
MATL		APPROVED BY	DATE		
		APPROVED BY T.A.Kari	DATE 4-21-04	CODE NO.	DRAWING NO. C – 145-0901-811/820
FINISH		RELEASE DATE	4-21-04	SCALE 10:1	U/M INCH SHEET 2 OF 2