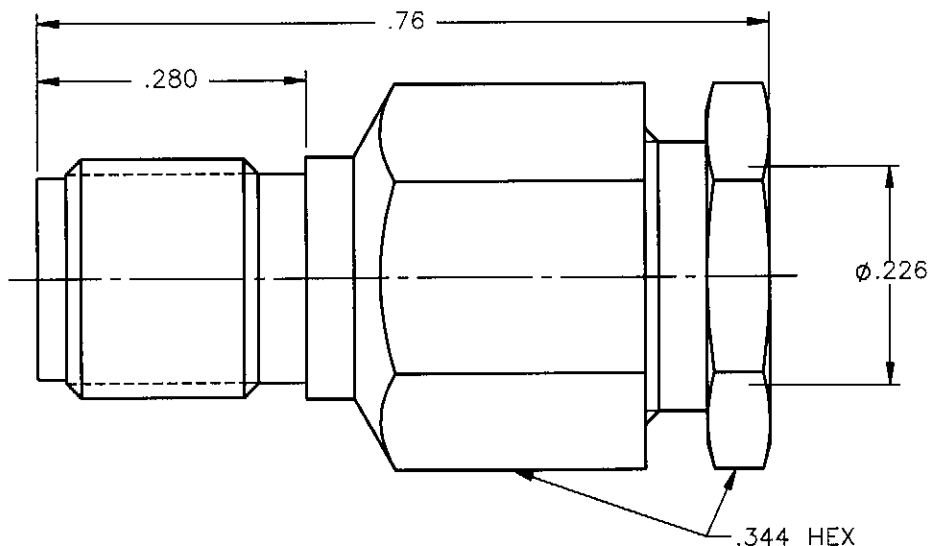
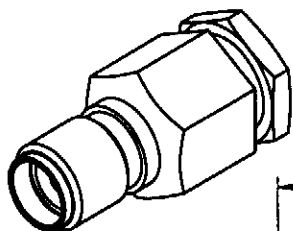


PROPRIETARY INFORMATION
 NOT TO BE RELEASED
 WITHOUT WRITTEN PERMISSION
 FROM AN AUTHORIZED
 REPRESENTATIVE OF
 APPLIED ENGINEERING PRODUCTS

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/20/07	A.D.M.
B	ECO #6647	04/25/07	D.N.



NOTES:

MATERIALS:

1. BODY = STAINLESS STEEL PER ASTM A582, ALLOY 303, CONDITION "A".
2. INSULATORS = VIRGIN WHITE TEFLON PER ASTM D1710, GRADE 1, TYPE I, CLASS "B".
3. CONTACT = BERYLLIUM COPPER PER ASTM B196, ALLOY C17300, TEMPER TD04.
4. ALL OTHER METAL PARTS = BRASS PER ASTM B16, ALLOY C36000, TEMPER H02.

FINISHES:


1. BODY = GOLD PLATE PER MIL-G-45204, TYPE II, CLASS 0, GRADE C, OVER .000050 TO .00010 STRESS FREE NICKEL PER QQ-N-290.
2. CONTACT = GOLD PLATE PER MIL-G-45204, TYPE II, CLASS 1, GRADE C, OVER .00010 TO .00020 STRESS FREE SULFAMATE NICKEL PER QQ-N-290.
3. ALL OTHER METAL PARTS = GOLD PLATE PER MIL-G-45204, TYPE II, CLASS 0, GRADE C, OVER .00010 TO .00020 COPPER STRIKE PER MIL-C-14550.

ELECTRICAL:

INSERTION LOSS = $.03 \times \sqrt{F(\text{GHz})}$ MAX TEST FREQUENCY 6 GHz.
 VSWR = $1.15 + (.020 \times F[\text{GHz}])$, DC-12.4 GHz.
 IMPEDANCE = 50 ohms.
 FREQUENCY RANGE = DC TO 18GHz, DEPENDENT ON CABLE TYPE & CONFIGURATION.

ENVIRONMENTAL:

VIBRATION: METHOD 204, TEST CONDITION D.
 MECHANICAL SHOCK = METHOD 213, CONDITION I.
 THERMAL SHOCK = METHOD 107, CONDITION B.
 CORROSION = METHOD 101, CONDITION B, 5% SALT SOLUTION.
 MOISTURE RESISTANCE = METHOD 106.
 CORONA LEVEL = CORONA FREE @ 70,000 FEET, VOLTAGE DEPENDENT ON CABLE SIZE.
 TEMPERATURE RATING = -65°C TO +165°C.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		DWN: A.D.M.	DATE: 04/20/07	 APPLIED ENGINEERING PRODUCTS 104 John W. Murphy Dr. New Haven, CT 06513 a RADIALL company
		CHKD: D.N.	DATE: 04/20/07	
DECIMAL	ANGLE	APVD: J.M.	DATE: 04/20/07	SMA STRAIGHT JACK CLAMP TYPE FOR RG-55 & SIMILAR CABLES
REFERENCE:	MATERIALS & FINISHES: SEE NOTES	SIZE: A	FSCM NO.: 19505	
ORIGINATED: A.D.M. DATE: 04/20/07		SCALE: 5:1	THIRD ANGLE PROJECTION	REV: B
			SHEET 1 OF 1	

9202-1553-001