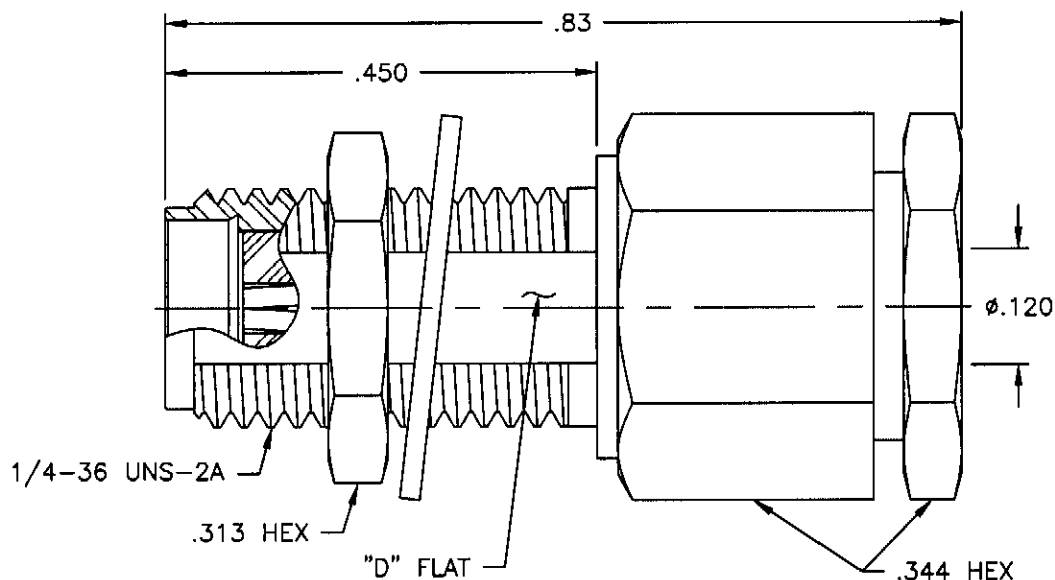


PROPRIETARY INFORMATION  
 NOT TO BE RELEASED  
 WITHOUT WRITTEN PERMISSION  
 FROM AN AUTHORIZED  
 REPRESENTATIVE OF  
 APPLIED ENGINEERING PRODUCTS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/07/07	D.N.



NOTES:

MATERIALS:

1. BODY & NUT = 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. LOCKWASHER = PHOSPHOR BRONZE PER ASTM B139, COPPER ALLOY C53400, TEMPER H04.
5. ALL OTHER METAL PARTS = BRASS PER ASTM B16, ALLOY C36000, TEMPER H02.

FINISHES:


1. BODY & NUT = 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.

ELECTRICALS:

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<MOD-DEG>C TO +165<MOD-DEG>C.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		DWN: D.N.	DATE: 05/07/07	 <b>APPLIED ENGINEERING PRODUCTS</b> 104 John W. Murphy Dr. New Haven, CT 06513 <i>a RADIALL company</i>
DECIMAL	ANGLE	CHKD: A.D.M.	DATE: 05/07/07	
		APVD: J.M.	DATE: 05/07/07	<b>SMA STRAIGHT JACK          BULKHEAD REAR MOUNT COMPRESSION          TYPE FOR RG-55 &amp; SIMILAR CABLES</b>
REFERENCE:	MATERIALS & FINISHES: SEE NOTES		SIZE: A	
ORIGINATOR: D.N. DATE: 05/07/07			FSCM NO.: 19505	DWG NO.: 9230-1553-001
		SCALE: 5:1		REV: A
		THIRD ANGLE PROJECTION		SHEET 1 OF 1

9230-1553-001