

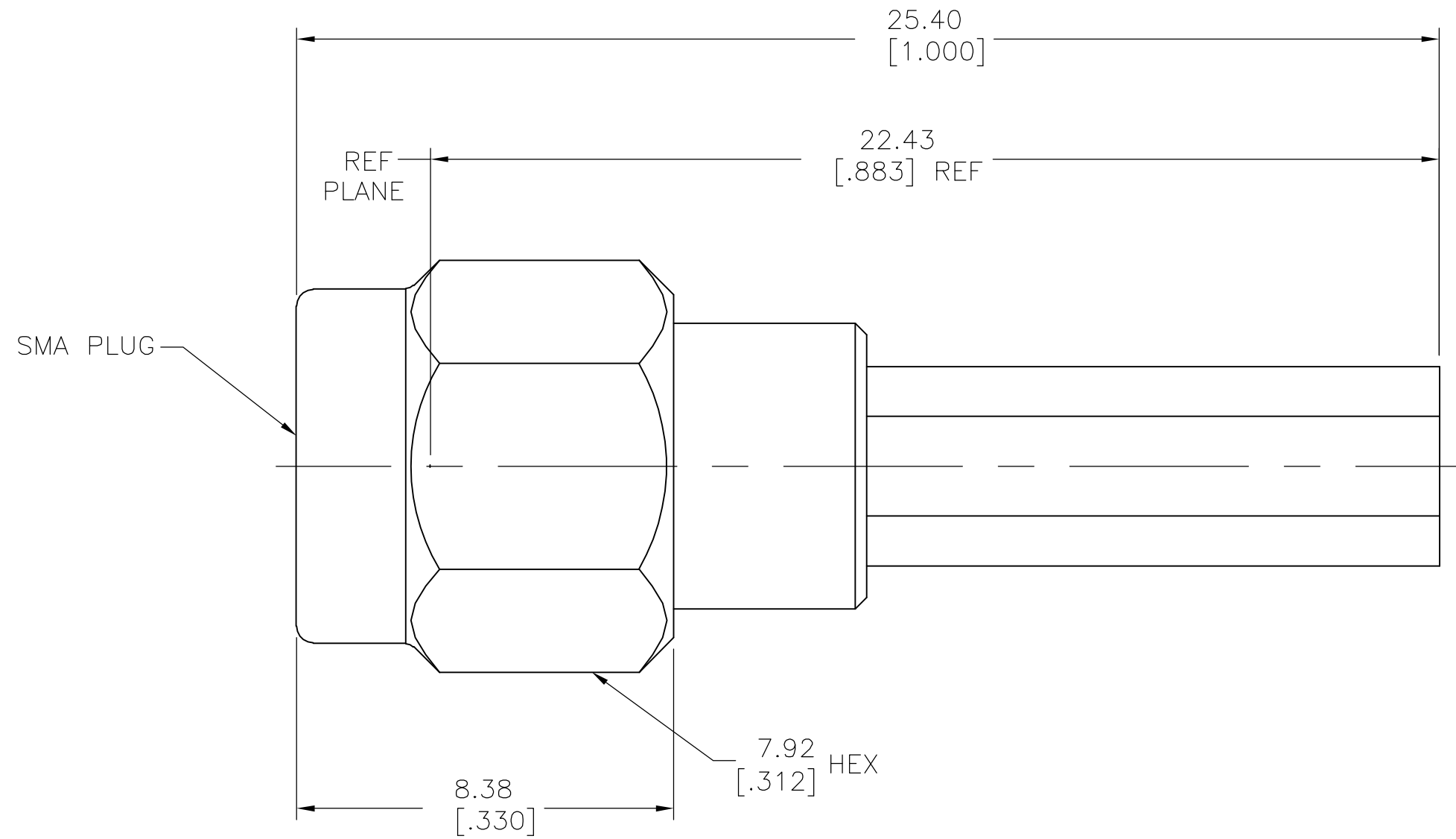
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DESIGNED FOR USE WITH
 RD-316/U (DOUBLE BRAIDED)

CABLE ENTRY DIAMETER
 MINIMUM

FERRULE	3.48 [.137]
HOUSING	1.67 [.066]
CONTACT	0.58 [.023]

REVISIONS				DATE	DWN	APVD
P	LTR	DESCRIPTION				
A		REVISED PER EC 0514-0150-05	10OCT2005	REH	KW	



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310.1	TEMPERATURE RATING -65°C TO +165°C
Frequency Range (GHz) DC to 6	Recommended Mating Torque 3-5 In-Lbs (0.34-0.57 Nm)	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 250	Mating Characteristics: Insertion (MAX lbs) N/A	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.20:1 MAX	Withdrawal (MIN oz) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP SHALL BE +85°C
Insertion Loss (dB MAX) .06 √F(GHz)	Force to Engage and Disengage (In-Lbs MAX) 2.0 (0.23 Nm)	Moisture Resistance MIL-STD-202, Method 106, except step 7b is omitted. No measurement at high humidity. Insulation resistance shall be at least 200 Megohms within 5 minutes after removal from humidity.
RF Leakage (dB MIN) -90 @ 2 to 3 GHz	Center Contact Captivation Axial (Lbs) 6.0 (2.7 Kg) Min	
Corona, 70,000 Ft (VRMS MIN) 190	Radial (in-oz) N/A	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 750	Cable Retention Axial Force (lbs MIN) 20 (9.1 Kg)	
Contact Resistance (Milliohms MAX) Center Contact 3.0	Torque (in-oz MIN) N/A	
Outer Contact 2.0		
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500		
I.R.(Megohms MIN) 5,000		

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	BRASS PER ASTM-B-16, HALF HARD, OR CZ121 PER BS2874	WHITE BRONZE PLATE
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BRASS PER ASTM-B-16 HALF HARD	GOLD PLATE
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
FERRULE	COPPER OR BRASS ALLOY	WHITE BRONZE PLATE

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm [INCHES]	
	0 PLC ± -
	1 PLC ± -
	2 PLC ± 0.13 [.005]
	3 PLC ± -
	4 PLC ± -
	ANGLES ± 1°
MATERIAL	FINISH
-	-

APVD	CHK	DWN	DATE	NAME	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
J. HAVENER	J. HAVENER	B. MCMASTER	28APR05	Tyco Electronics Corporation	A2	00779	C=6086486	-
J. HAVENER	J. HAVENER	J. HAVENER	28APR05	Harrisburg, PA 17105-3608				
PRODUCT SPEC				SMA, STRAIGHT CABLE PLUG CRIMP ATTACHMENT (2231-7316-36)				
APPLICATION SPEC				SCALE 8:1 SHEET 1 of 1 REV A				
WEIGHT -				CUSTOMER DRAWING				

6086486-1
 PART NUMBER