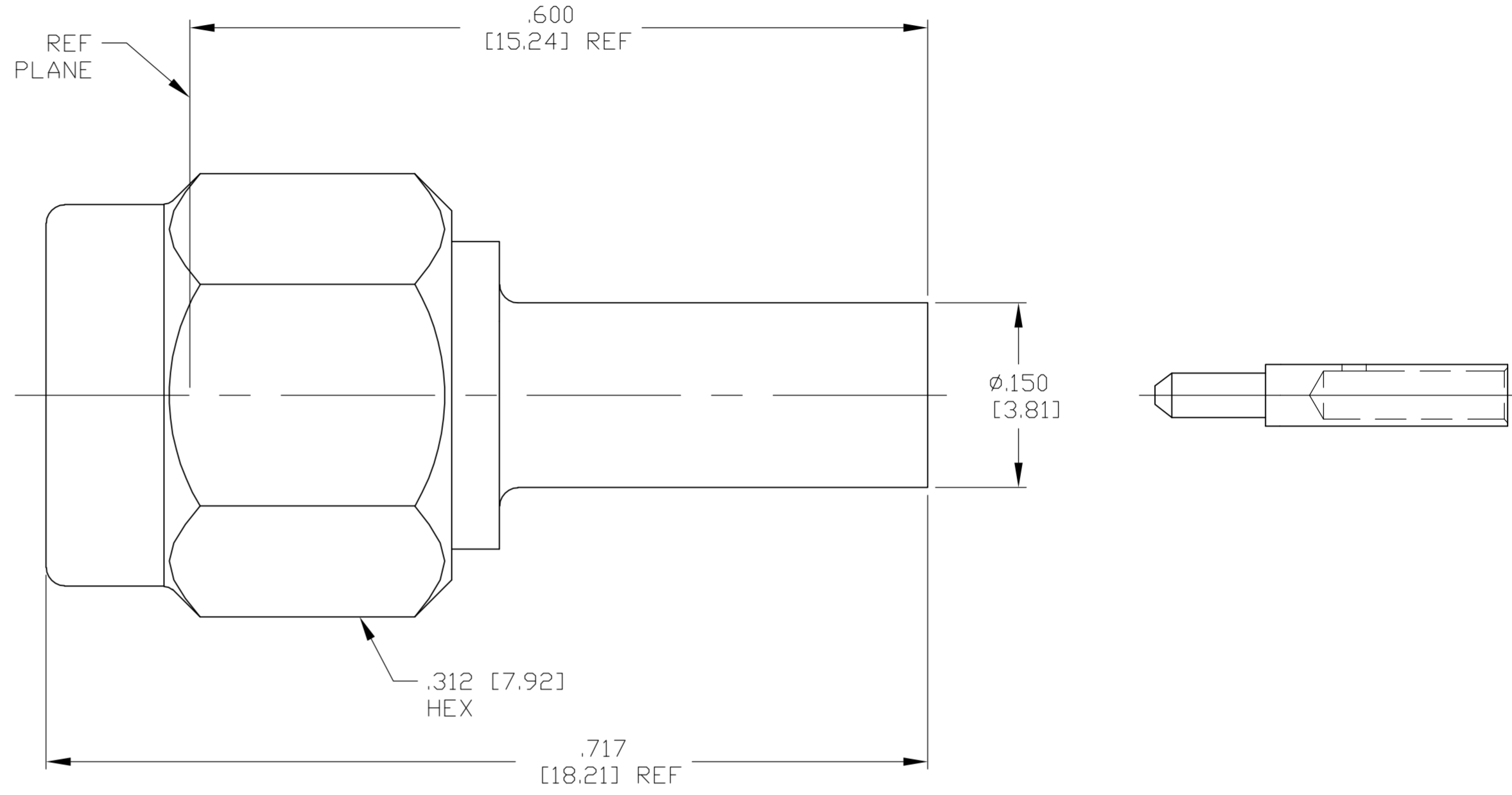


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COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER ASTM-B-488 OVER NICKEL PLATE PER AMS-QQ-N-290
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER SAE-AMS-2700
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER ASTM-B-488 OVER NICKEL PLATE PER AMS-QQ-N-290
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

DESIGNED FOR USE WITH FA12RX CABLE
 CABLE ENTRY DIAMETER MINIMUM
 CONTACT .039 [0.99]
 HOUSING .114 [2.90]

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	X5	RELEASED	2-14-06	CT	RG



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348, Fig. 310.1	TEMPERATURE RATING -65°C TO 105°C
Frequency Range (GHz) DC to 18.0	Recommended Mating Torque 7 to 10 in-LBs	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 500	Mating Characteristics: Insertion (MAX Lbs) N/A	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.05 + .008f(GHz)	Withdrawal (MIN Oz) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP 115°C
Insertion Loss (dB MAX) .03 √f(GHz)	Force to Engage and Disengage (In/Lbs MAX) 2.0	Moisture Resistance MIL-STD-202, Method 106,
RF Leakage (dB MIN) -(90-f(GHz))	Center Contact Captivation: Axial (Lbs) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 375	Radial (In/Oz) N/A	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000	Cable Retention: Axial Force (Lbs) 60	
Contact Resistance (Milliohms MAX): Center Contact 3.0	Torque (In/Oz) 55	
Outer Contact 2.0	Weight (Grams) T.B.D.	
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1000		
I.R.(Megohms MIN) 5,000		

1883239-1
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.C.THOMAS 13FEB2006	AMP Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK R.GROSS 2-14-06	NAME	OSM STRAIGHT CABLE PLUG ASSY, DIRECT SOLDER ATTACHMENT
	0 PLC ± -	APVD R.GROSS 2-14-06	SIZE	A2
	1 PLC ± -	PRODUCT SPEC	CAGE CODE	00779
	2 PLC ± -	APPLICATION SPEC	DRAWING NO	C=1883239
	3 PLC ± .005 [0.13]		RESTRICTED TO	
	4 PLC ± -		SCALE	10:1
	ANGLES ± -		SHEET	1 of 1
MATERIAL SEE TABLE	FINISH SEE TABLE	WEIGHT -	REV	0
CUSTOMER DRAWING				