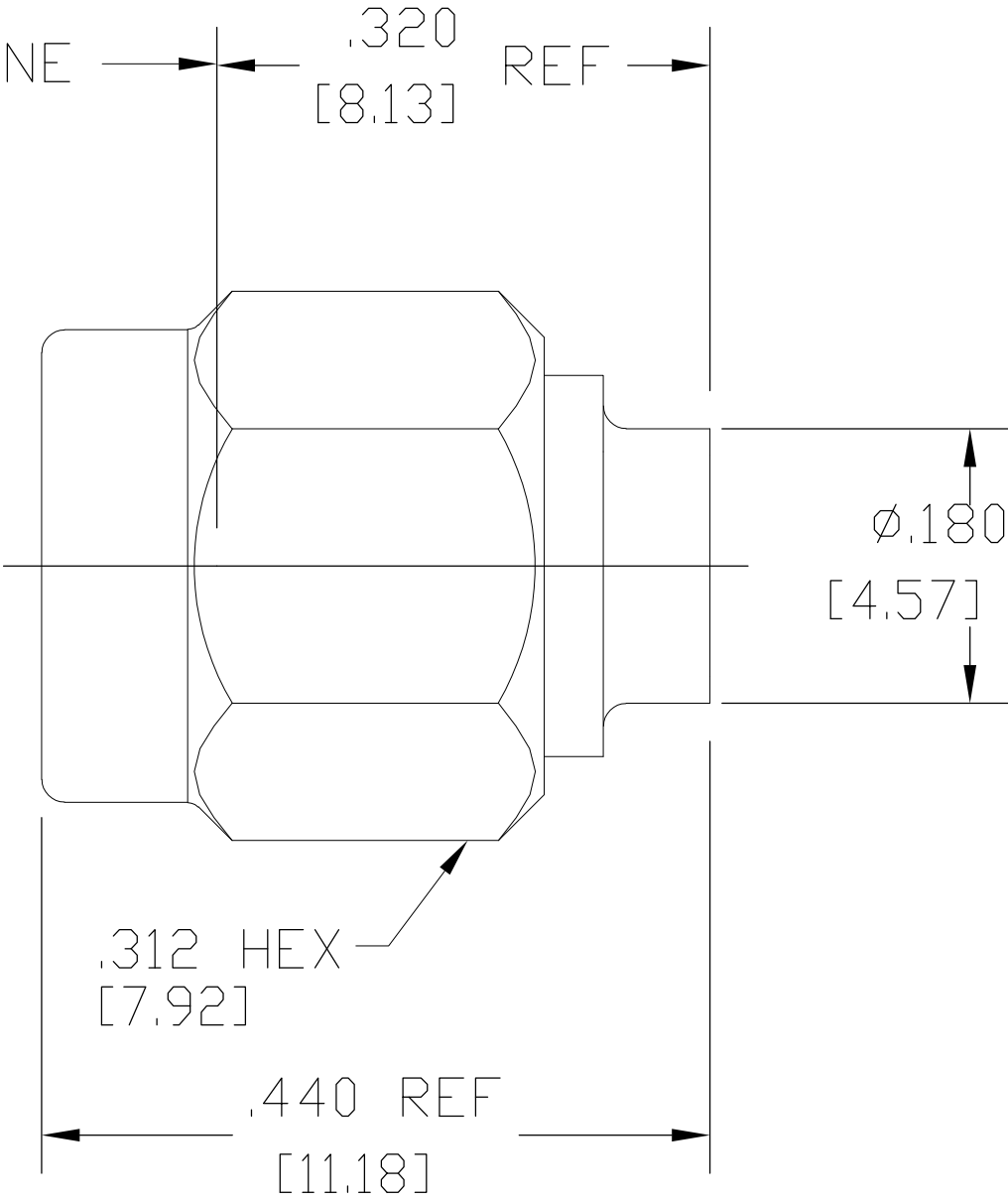


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HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER ASTM B-488 OVER NICKEL PLATE PER AMS-QQ-N-290					
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A-380					
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A					
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H OR BRASS PER ASTM-B-16	GOLD PLATE PER ASTM B-488 OVER COPPER PLATE PER MIL-C-14550					
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A					
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A					
COMPONENT	MATERIAL	FINISH					



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348, Fig. 310.1	TEMPERATURE RATING -65°C TO +125°C
Frequency Range (GHz) DC to 18.0		Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 500	Recommended Mating Torque 7 to 10 in-LBs	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.05 + .008f(GHz)	Mating Characteristics: Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) .03 √f(GHz)	Withdrawal (MIN Oz) N/A	
RF Leakage (dB MIN) -(90-f(GHz)	Force to Engage and Disengage (In/Lbs MAX) 2.0	Moisture Resistance MIL-STD-202, Method 106,
Corona, 70,000 Ft (VRMS MIN) 375	Center Contact Captivation Axial (Lbs) N/A	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000	Cable Retention Axial Force (Lbs) 60	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
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		

DESIGNED FOR USE WITH .141 DIA S.R. CABLE	
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.039 [0.99]
HOUSING	.144 [3.66]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 11-16-12 C.C.THOMAS	TE Connectivity			
DIMENSIONS: INCHES [mm]		CHK 11-16-12 D.WILSON				
		APVD 11-16-12 D.WILSON	NAME SMA STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT			
		PRODUCT SPEC				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC				
0 PLC ± -		—	SIZE A2	CAGE CODE 00779	DRAWING NO C=1757734	RESTRICTED TO —
1 PLC ± -		—				
2 PLC ± -		—				
3 PLC ± .005 [0.13]		—				
4 PLC ± -		—				
ANGLES ± 1°		—				
FINISH		WEIGHT —				
MATERIAL SEE TABLE		CUSTOMER DRAWING	SCALE 8:1	SHEET 1 of 1	REV A	

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