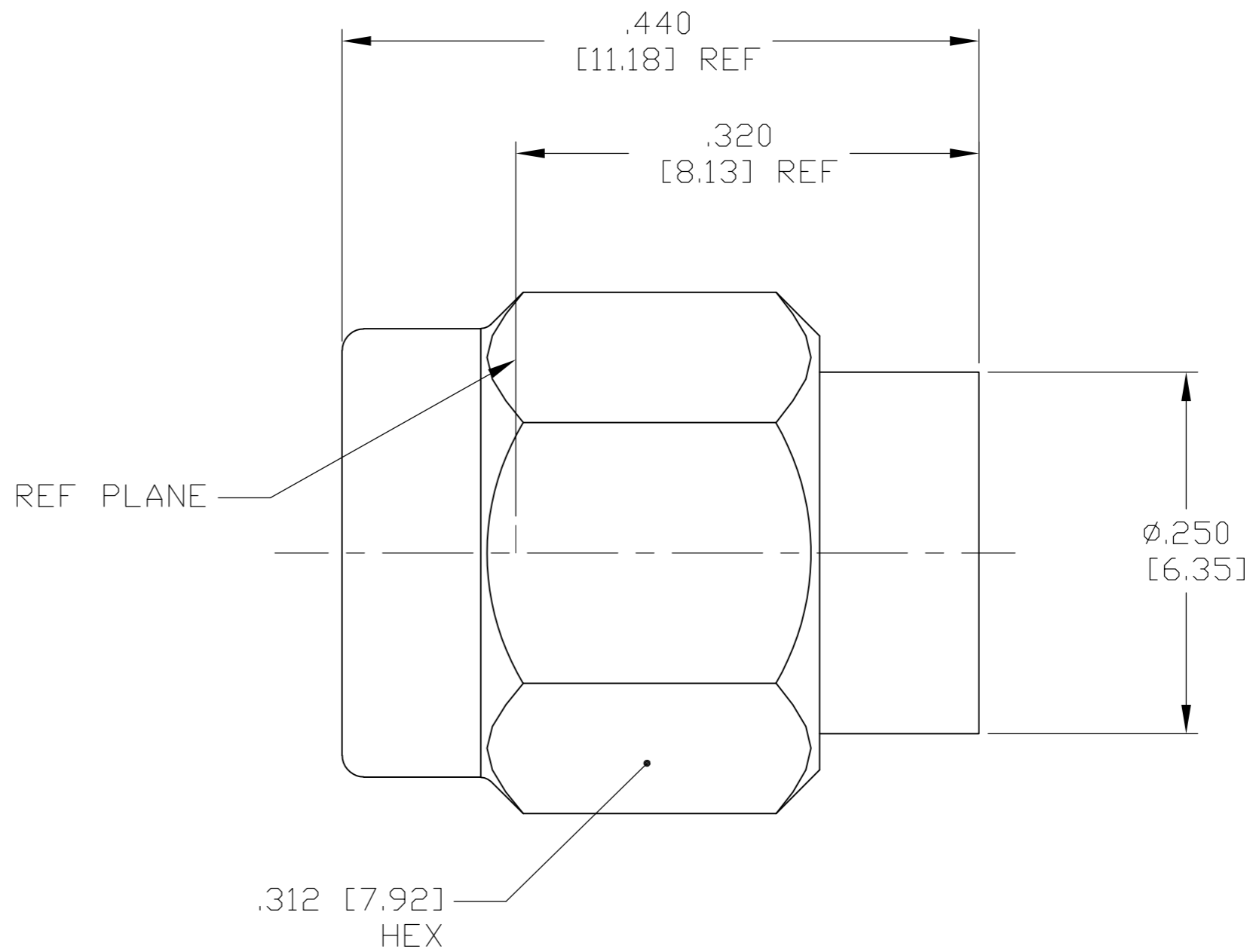


THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION
 © COPYRIGHT BY TYCO ELECTRONICS CORPORATION. ALL INTERNATIONAL RIGHTS RESERVED.

HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H OR BRASS PER ASTM-B-16	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	N/A
GASKET	FLUROCARBON RUBBER PER MIL-R-83428, TYPE 1, CLASS 1	N/A
COMPONENT	MATERIAL	FINISH

DESIGNED TO USE
 Ø.085 SEMI-RIGID CABLE
 CABLE ENTRY
 DIAMETER MIN
 HOUSING: .089 [2.26]
 CONTACT: .021 [0.53]

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		RELEASED PER ECO 09-021391	9-22-09	CT	DW



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A	TEMPERATURE RATING <u>-65°C TO +105°C</u>
Frequency Range (GHz) DC to <u>18.0</u>	Fig. <u>310.1</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Recommended Mating Torque <u>7 to 10 In-LBs</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.05 + .005f(GHz)</u>	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP <u>115°C</u>
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Insertion (MAX Lbs) <u>N/A</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>[-90-f(GHz)]</u>	Withdrawal (MIN Oz) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>N/A</u>	
Center Contact <u>3.0</u>	Radial (In-Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Cable Retention	
Cable to Housing <u>0.5</u>	Axial Force (Lbs) <u>30</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>	Torque (In-Oz) <u>16</u>	
I.R.(Megohms MIN) <u>10,000</u>	Weight (Grams) <u>T.B.D.</u>	

2101521-1
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.C.THOMAS 9-22-09	Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: INCHES [mm]		CHK D.WILSON 9-22-09	NAME SMA STRAIGHT CABLE PLUG KIT-DIRECT SOLDER ATTACHMENT	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D.WILSON 9-22-09	APPLICATION SPEC 408-4762	
0 PLC ± -		SIZE A2 CAGE CODE 00779 DRAWING NO C=2101521		
1 PLC ± -		RESTRICTED TO -		
2 PLC ± -		SCALE 10:1 SHEET 1 of 1 REV A		
3 PLC ± .005 [0.13]		CUSTOMER DRAWING		
4 PLC ± -				
ANGLES ± -				
FINISH SEE TABLE				