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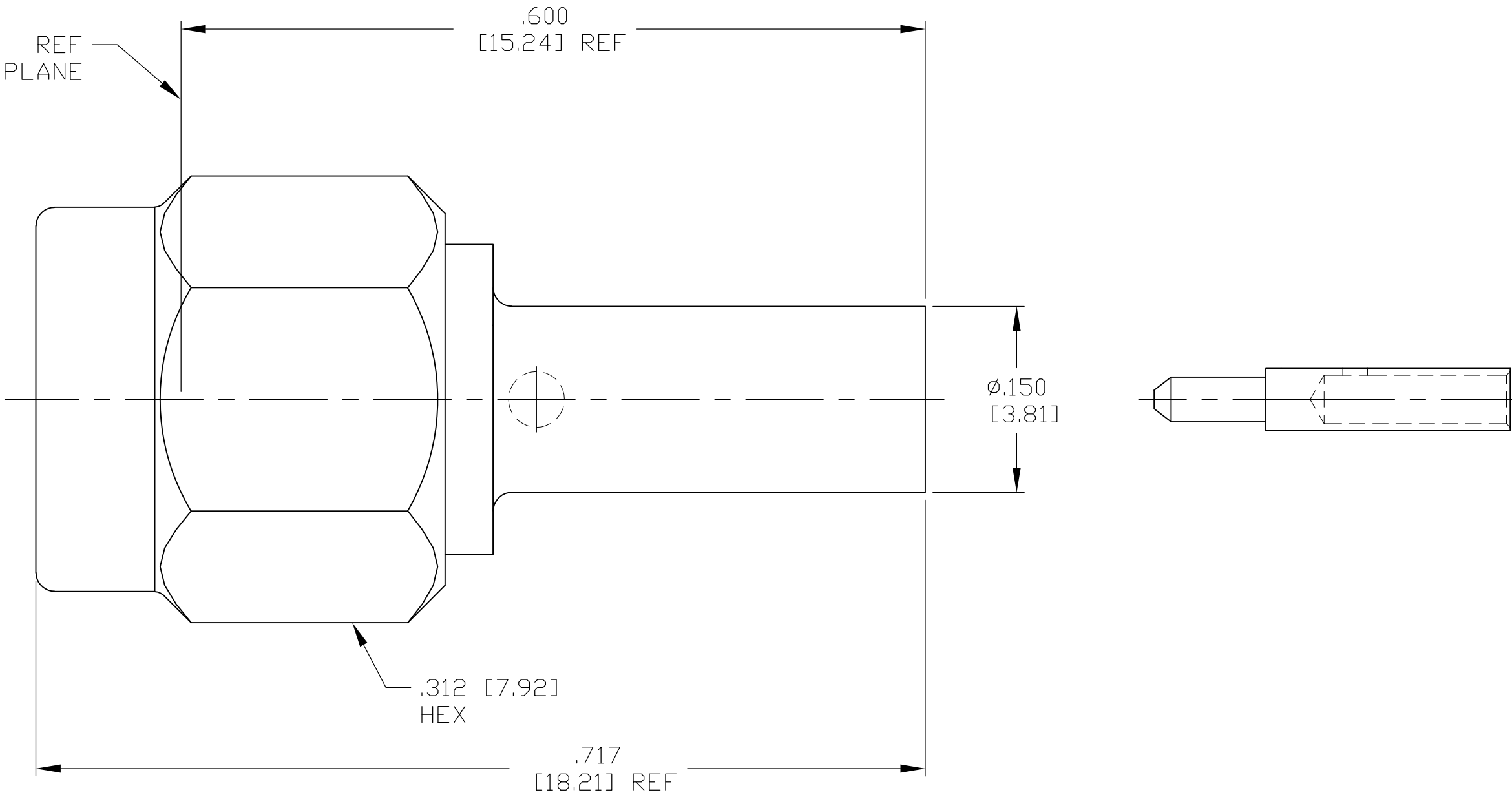
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COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER ASTM-B-488 OVER NICKEL PLATE PER AMS-QQ-N-290
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER SAE-AMS-2700
DIELECTRIC	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
		A	REV PER ECO-09-024744	18NOV09	PY	DW



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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±	-
1 PLC	±	-
2 PLC	±	-
3 PLC	±	.005 [0.13]
4 PLC	±	-
ANGLES	±	-

MATERIAL

SEE TABLE

FINISH

SEE TABLE

DWN

C.C.THOMAS

13FEB2006

CHK

R.GROSS

2-14-06

APVD

R.GROSS

2-14-06

PRODUCT SPEC

—

APPLICATION SPEC

408-10203

WEIGHT

—

CUSTOMER DRAWING

SCALE 10:1

SHEET 1 of 1

REV A

Tyco Electronics

Tyco Electronics Corporation Harrisburg, PA 17105-3608

NAME

OSM STRAIGHT CABLE PLUG ASSY, DIRECT SOLDER ATTACHMENT

SIZE

A2

CAGE CODE

00779

DRAWING NO

C=1883239

RESTRICTED TO

—

1883239-1

PART NUMBER