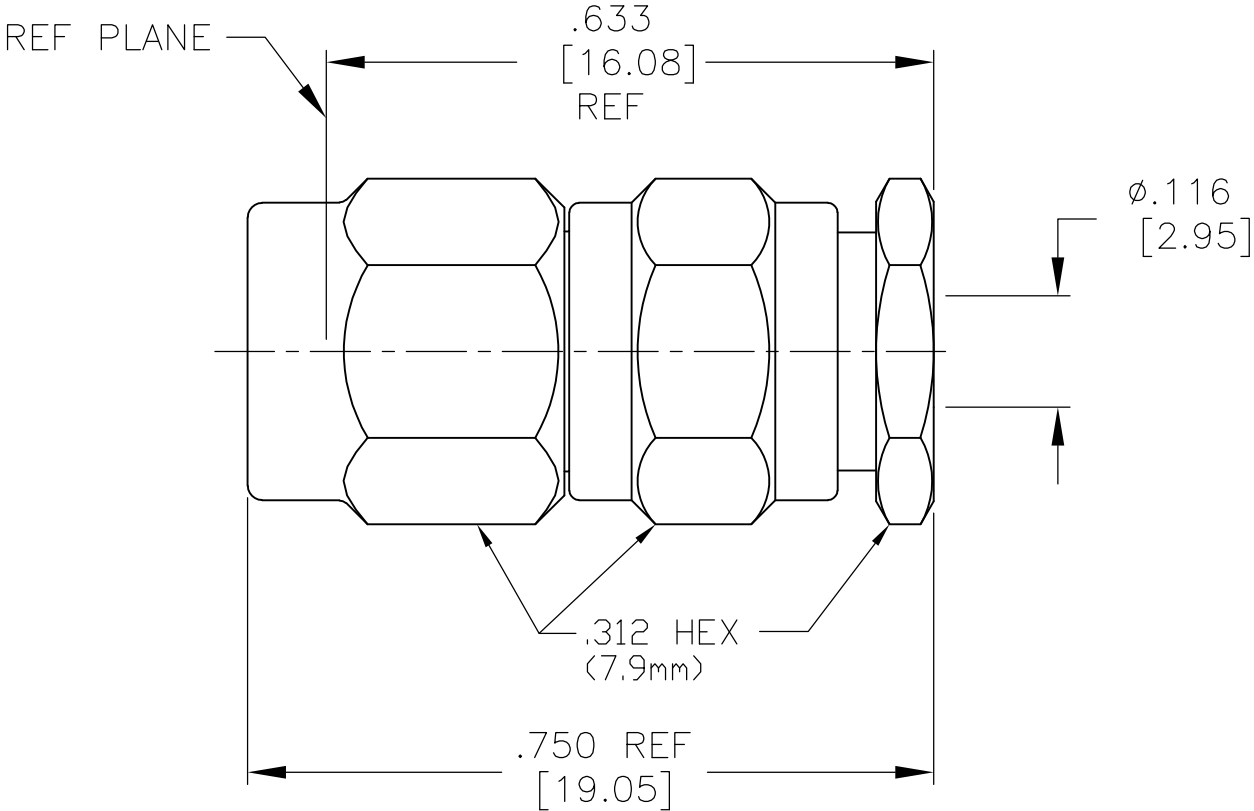
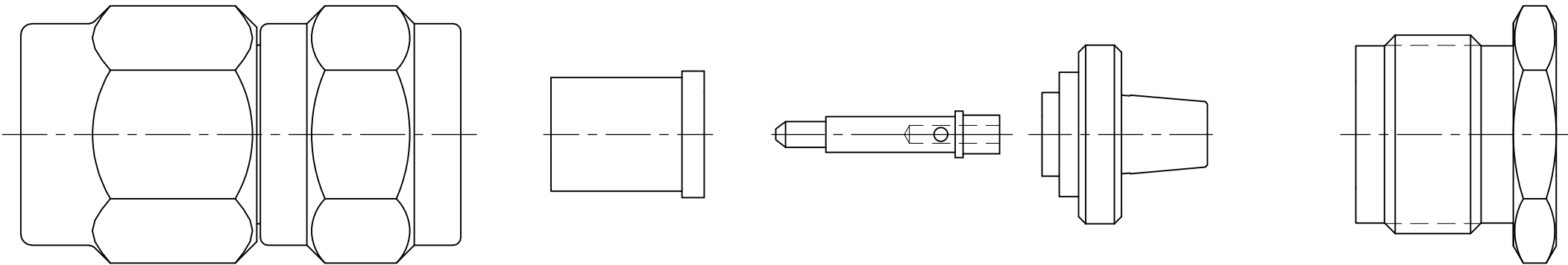


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HOUSING COUPLING NUT CLAMP NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER ASTM-B-488 OVER NICKEL PLATE PER QQ-N-290
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER ASTM-B-488 OVER COPPER PLATE PER MIL-C-14550
COLLAR	BRASS PER QQ-B-626 COMP. 360, HALF HARD	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

LOC	DIST	REVISIONS			
DF	X0	P	LTR	DESCRIPTION	DATE
		A		REV PER ECO 08-006995	3-24-08
			DWN	APVD	
			CT	DW	



ASSEMBLED VIEW



AS RECEIVED BY CUSTOMER

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 18	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 250	Torque 7-10 In-Lbs	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.15 + .02f(GHz)	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP 85°C
Insertion Loss (dB MAX) .06 √f GHz	Insertion (MAX Lbs) N/A	Moisture Resistance MIL-STD-202, Method 106 Step 7b (Vibration)
RF Leakage (dB MIN) -[60-f(GHz)]	Withdrawal (MIN Oz) N/A	Shall Be Omitted
Corona, 70,000 Ft (VRMS MIN) 190	Force to Engage and Disengage (In-Lbs MAX) 2	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 750	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) 6 Min	
Center Contact 3.0	Radial (In-Oz) N/A	
Outer Contact 2.0	Cable Retention	
Cable to Housing 0.5	Axial Force (Lbs) 20 MIN	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500	Torque (In-Oz) N/A	
I.R.(Megohms MIN) 5,000	Weight (Grams) TBD	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DESIGNED FOR USE WITH
RG188/U FLEXIBLE CABLE
CABLE ENTRY DIAMETER
MINIMUM

CONTACT

.0234 [0.594]

DIELECTRIC

.066 [1.68]

COLLAR

.0656 [1.666]

CLAMP NUT

.1124 [2.855]

DIMENSIONS:
INCHES [mm]

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .005 [0.13]

4 PLC ± -

ANGLES ± -

FINISH

MATERIAL

SEE TABLE

SEE TABLE

DWN
C.C.THOMAS
3-24-08

CHK
D.WILSON
3-24-08

APVD
D.WILSON
3-24-08

PRODUCT SPEC
408-04906

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME
SMA STRAIGHT CABLE PLUG,
CLAMP ATTACHMENT

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1996360

RESTRICTED TO
-

SCALE 5:1

SHEET 1 OF 1

REV A

1996360-1
PART NUMBER