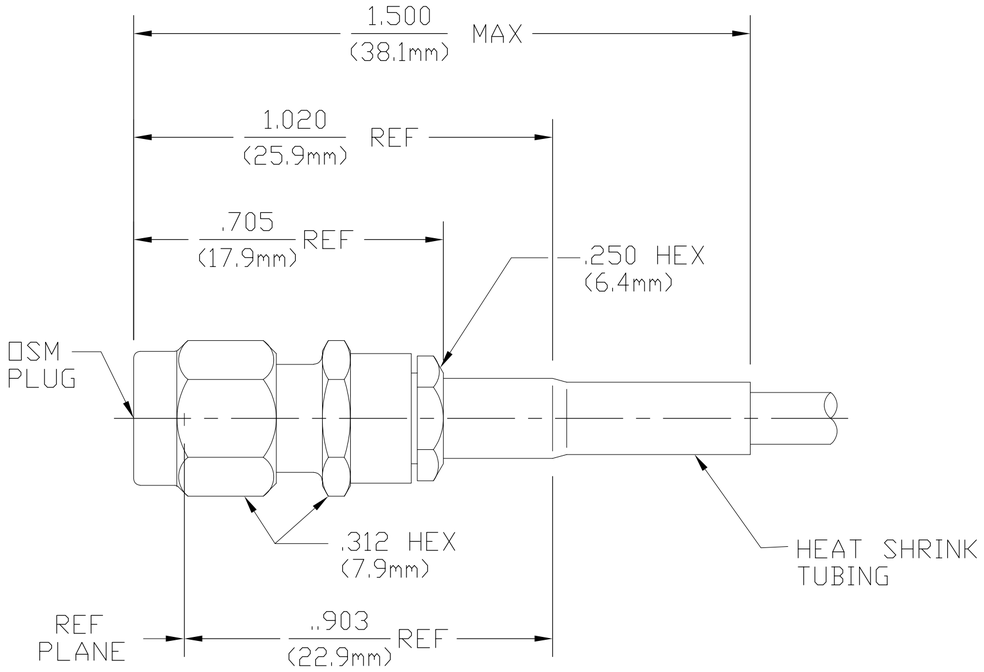
LOC	DIST
AJ	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO 07-004710	3/12/2007	DW	KW

DESIGNED FOR USE WITH RG-174/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.021
SLEEVE	.128
CLAMP NUT	.179



1051664-1

PART NUMBER

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CLAMP NUT SLEEVE	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
REAR DIELECTRIC	NYLON OR ZYTEL #101 PER MIL-M-20693A	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 O-RING	SILICONE RUBBER PER ZZ-R-765	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204

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	12.4	Recommended Mating Torque	7-10 IN-LB	Vibration MIL-STD-202, Method 204, Condition D	
Volt Rating (VRMS MAX) @ Sea Level	250	Mating Characteristics:		Shock MIL-STD-202, Method 213, Condition I	
VSWR	1.15+.02 f(GHz)	Insertion (MAX Lbs)	N/A	Thermal Shock MIL-STD-202, Method 107, Condition C,	
Insertion Loss (dB MAX)	.06√f(GHz)	Withdrawal (MIN Oz)	N/A	Moisture Resistance MIL-STD-202, Method 106,	
RF Leakage (dB MIN)	-60	Force to Engage and Disengage (In-Lbs MAX)	2	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray	
Corona, 70,000 Ft (VRMS MIN)	190	Center Contact Captivation			
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level	500	Axial (Lbs)	6.0		
Contact Resistance (Milliohms MAX)		Radial (In-Oz)	N/A		
Center Contact	3.0	Cable Retention			
Outer Contact	2.0	Axial Force (Lbs)	20 MIN		
Cable to Housing	0.5	Torque (In-Oz)	N/A		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz)	500	Weight (Grams)	TBD		
I.R.(Megohms MIN)	10,000				

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005
4 PLC ± -
ANGLES ± 1°

MATERIAL -

FINISH -

DWN	F.J.C	5/16/69
CHK	B.W.C	5/17/69
APVD	D.NANIA	5/20/69
PRODUCT SPEC	-	
APPLICATION SPEC	-	
WEIGHT	-	

CUSTOMER DRAWING

tyco Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
OSM STRAIGHT CABLE
PLUG CRIMP ATTACHMENT
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1051664	-

SCALE	SHEET	REV
3:1	1 OF 1	B

1051664