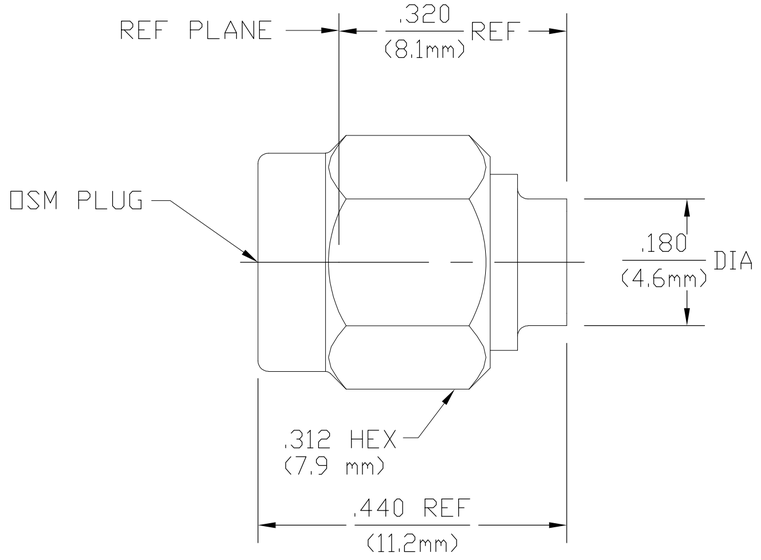
LOC	DIST
—	—

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO 07-004710	3/14/2007	DW	KW

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



1050525-1

PART NUMBER

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER 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 MIL-G-45204 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

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

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 JPD	8/31/76
CHK RNF	9/7/76
APVD RNF	9/7/76
PRODUCT SPEC	—
APPLICATION SPEC	—
WEIGHT	—

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
OSM STRAIGHT CABLE PLUG
DIRECT SOLDER ATTACHMENT
—

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1050525	—

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV B

1050525

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

2001-5003-02