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DESIGNED FOR USE WITH
.141 DIA S.R. CABLE
CABLE ENTRY DIAMETER
MINIMUM

CONTACT

HOUSING

.039

.144

LOC

AJ

DIST

00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO 07-004710	03-14-07	DW	KW
	C	REVISED PER ECO-08-030676	02-24-09	AEG	JKO

REF PLANE

.320
(8.1mm)

REF

OSM PLUG

.180
(4.6mm)

DIA

.312 HEX
(7.9 mm)

.440 REF
(11.2mm)

1

BRASS

2

STAINLESS STEEL

3

BERYLLIUM COPPER

4

PTFE

5

GOLD PLATE

6

PASSIVATED

7

SILICONE RUBBER

8

NICKEL PLATE

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310.1	TEMPERATURE RATING -65°C TO 125°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: Insertion (MAX Lbs) N/A	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.05 + .008f(GHz)	Withdrawal (MIN Oz) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP 115°C
Insertion Loss (dB MAX) .03 √f(GHz)	Force to Engage and Disengage (In/Lbs MAX) 2.0	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -(90-f(GHz)	Center Contact Captivation Axial (Lbs) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1500	Cable Retention Radial (In/Oz) N/A	
Contact Resistance (Milliohms MAX) Center Contact 3.0	Axial Force (Lbs) 60	
Outer Contact 2.0	Torque (In/Oz) 55	
Cable to Housing 0.5	Weight (Grams) T.B.D.	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1000		
I.R.(Megohms MIN) 5,000		

3	1 5	7	1 5	4	3 5	1050524-3
3	2 5	7	2 5	4	3 5	1050524-1
RETAINING RING	HOUSING	GASKET	COUPLING NUT	DIELECTRIC	CONTACT	TE PN

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°
FINISH -

MATERIAL -

DWN JPD 7/13/76

CHK RNF 9/7/76

APVD RNF 9/13/76

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

SCALE 6:1

SHEET 1 OF 1

REV C

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
OSM STARIGHT CABLE PLUG
DIRECT SOLDER ATTACHMENT

SIZE A2

CAGE CODE 00779

DRAWING NO C=1050524

RESTRICTED TO -

1050524

B

A