

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT BY TYCO ELECTRONICS CORPORATION. ALL INTERNATIONAL RIGHTS RESERVED.

DESIGNED FOR USE WITH
.141 DIA S.R. CABLE
CABLE ENTRY DIAMETER
MINIMUM
CONTACT .039
HOUSING .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	Radial (In/Oz) N/A	
Contact Resistance (Milliohms MAX) Center Contact 3.0	Cable Retention 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.		DWN JPD 7/13/76	Tyco Electronics Corporation Harrisburg, PA 17105-3608			
DIMENSIONS: INCHES		CHK RNF 9/7/76				
		APVD RNF 9/13/76	NAME OSM STARIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT			
		PRODUCT SPEC				
		APPLICATION SPEC				
MATERIAL -	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± 1° FINISH -	WEIGHT -	SIZE A2	CAGE CODE 00779	DRAWING NO C=1050524	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 6:1	SHEET 1 of 1	REV C	

1471-9 (1/08)

1050524