

4

3

2

1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION - N/A .

© COPYRIGHT N/A BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

COMPONENT	MATERIAL	FINISH
HOUSING MOUNTING NUT LOCKWASHER	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BRASS PER ASTM-B-16, HALF HARD	GOLD PLATE PER ASTM-B-488
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	X0	RELEASED	11-19-04	CT	FB

.534  
[13.56]  
MIN

Ø.625  
[15.88]  
MIN

RECOMMENDED  
MOUNTING HOLE

1.232  
[31.29]

.867  
[22.02]

.125  
[3.18]

GASKET

.250-36 UNS-2A

REF PLANE

LOCKWASHER  
MOUNTING NUT

.625-24 UNEF-2A

.797  
[20.24]  
REF

.750  
[19.05]  
HEX

Ø.866  
[Ø22.00]

.531  
[13.49]

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310.2 (DSM) & 304.2 (N)	TEMPERATURE RATING -65°C TO +125°C
Frequency Range (GHz) DC to 15	Recommended Mating Torque: DSM: 7-10 in-lbs	Vibration MIL-STD-202, Method 204, Condition B
Volt Rating (VRMS MAX) @ Sea Level 335	Type N: 12-15 in-lbs	Shock MIL-STD-202, Method 213, Condition I.
VSWR DC - 12.4GHz: 1.06+0.005f(GHz) MAX 12.4 - 15.0GHz: .83+0.023f(GHz) MAX	Mating Characteristics: DSM-Insertion (MAX lbs) 3.0	Thermal Shock MIL-STD-202, Method 107, Condition C, EXCEPT HIGH TEMP SHALL BE +115°C
Insertion Loss (dB MAX) .18 @ 9GHz	Type N-Insertion (MAX lbs) 2.0	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -65 @ 2-3 GHz	DSM-Withdrawal (MIN oz) 1.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 250	Type N-Withdrawal (MIN oz) 2.0	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000	Force to Engage and Disengage DSM (in-lbs MAX) 2.0	
Contact Resistance (Milliohms MAX) Center Contact 4.1	Type N (in-lbs MAX) 6.0	
Outer Contact 2.2	Center Contact Captivation Axial (lbs) 6.0	
Cable to Housing N/A	Radial (in-oz) 4.0	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1,000	Cable Retention Axial Force (lbs) N/A	
I.R.(Megohms MIN) 5,000	Torque (in-oz) N/A	
	Weight (Grams) TBD	

1663950-1  
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.C.THOMAS 19NOV2004	Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: INCHES		CHK F.BLASICK 11-19-04	NAME F.BLASICK 11-19-04	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD F.BLASICK 11-19-04	PRODUCT SPEC	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 [0.13] 4 PLC ± - ANGLES ± - FINISH -		APPLICATION SPEC	OSM JACK TO OSN JACK BULKHEAD FEED-THRU ADAPTER ASSY	
MATERIAL		WEIGHT	SIZE A2	RESTRICTED TO
			CAGE CODE 00779	
			DRAWING NO C=1663950	
CUSTOMER DRAWING			SCALE 4:1	SHEET 1 OF 1
			REV 0	

AMP 1471-9 REV 31MAR2000

1663950

A