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DESIGNED FOR USE WITH
UFF 092A CABLE

CABLE ENTRY DIAMETER
MINIMUM

HOUSING	.094[2.39]
CONTACT	.021[0.53]

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	X0				
	A	REV PER ECO-07-002224	20FEB07	PY	RG

Technical drawing of a cable jack assembly. Dimensions include: .709 [18.01] (total length), .250 [6.35] (inner length), .125 [3.18] MAX PANEL (panel thickness), .060 MIN [1.52] AXIAL FLOAT (axial clearance), .365±.001 [9.27±0.03] (outer diameter), .020 [0.51] MIN RADIAL FLOAT (radial clearance), .460 [11.68] (total height), .140 [3.55] (inner diameter), .406 [10.31] ACROSS FLATS (flange width), and .375-40, UNS-2A (thread specification).

RECOMMENDED MOUNTING HOLE SCALE 2:1

Ø.368±.001 [9.35±0.03]

1. CAPTURED CENTER CONTACT
2. PARTS ARE SHIPPED UNASSEMBLED. ASSEMBLED VIEW FOR DIMENSIONAL PURPOSE ONLY
3. COMPLETE PRODUCTION NUMBER FOR ORDERING IS 1663948-1

COMPONENT	MATERIAL	FINISH
HOUSING, OUTER MOUNTING NUT WASHER	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATED PER QQ-P-35
RETAINING RING	STAINLESS STEEL	PASSIVATED PER QQ-P-35
HOUSING, INNER	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATED PER MIL-G-45204
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488
CONTACT SLEEVE	BERYLLIUM COPPER PER ASTM-B-196, ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488
CONTACT RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	GOLD PLATED PER ASTM-B-488
LOCKWASHER	CARBON STEEL 1050	NICKEL PLATED PER QQ-N-290
SPRING	MUSIC WIRE	NICKEL PLATED PER QQ-N-290

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions DESC SPEC 85071	TEMPERATURE RATING -65° TO +125°C
Frequency Range (GHz) DC to 22	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 450	Insertion (MAX Lbs) 3	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.05+.005F(GHz) DC to 18 GHz	Withdrawal (MIN Oz) 1	Thermal Shock MIL-STD-202, Method 107, Condition B
1.05+.009F(GHz) 18 to 22 GHz	Force to Engage (In-Lbs MAX) & Disengage (In-Lbs MAX) 3 & 1.5	Moisture Resistance MIL-STD-202, Method 106
Insertion Loss (dB MAX) .03x √F(GHz)	Center Contact Captivation Axial (Lbs) 6	Corrosion - MIL-STD-202, Method 101, Condition B, 5% Salt Spray
RF Leakage (dB MIN) (Interface Only, Fully Mated) -(90-f(GHz))	Weight (Grams) TBD	
Corona, 70,000 Ft (VRMS MIN) 335		
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000		
Contact Resistance (Milliohms MAX)		
Center Contact 2.0		
Outer Contact 2.0		
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670		
I.R.(Megohms MIN) 5000		

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	C.C.THOMAS	8-24-04
CHK	R.GROSS	8-24-04
APVD	R.GROSS	8-24-04

tyco Electronics Tyco Electronics Corporation Harrisburg, Pa 17105-3608

NAME OSP FLOATING PANEL FEED-THRU CABLE JACK, DIRECT SOLDER ATTACHMENT

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C=1663948	-

CUSTOMER DRAWING REF: 4522-5038-02 SCALE 6:1 SHEET 1 OF 1 REV A

AMP 1471-9 REV 31MAR2000