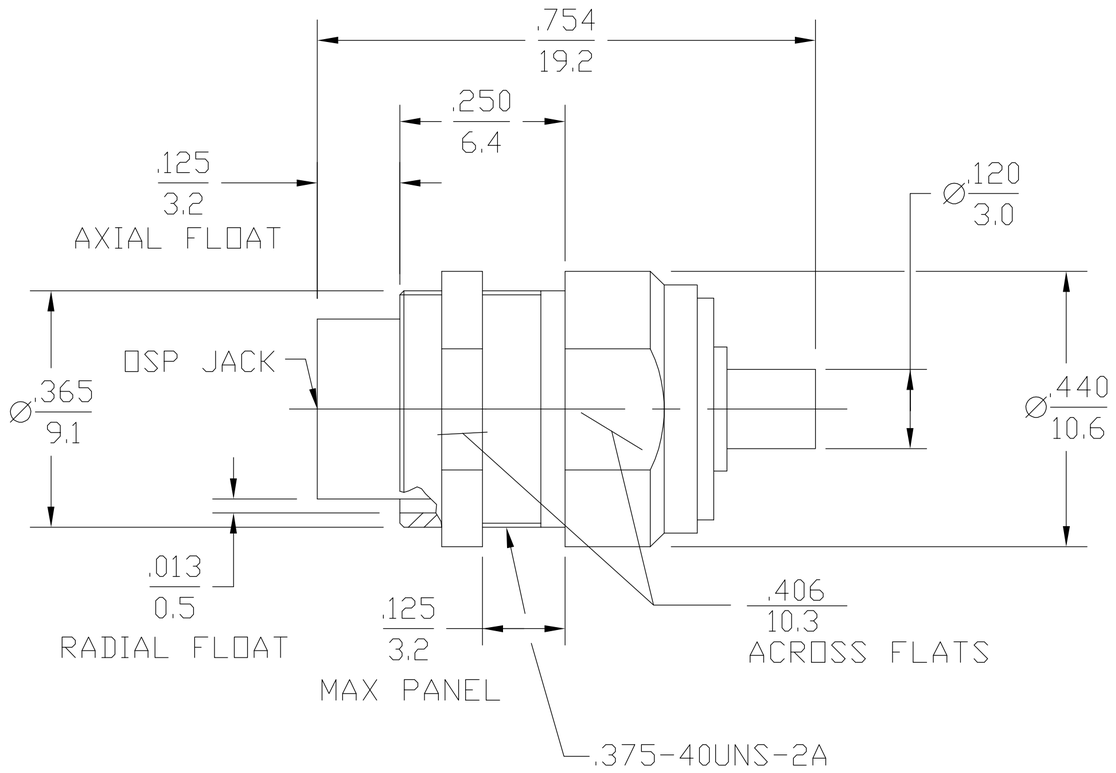
DESIGNED FOR USE WITH .085 S/R CABLE		LOC	DIST
		AJ	16

CABLE ENTRY DIAMETER MINIMUM	
INNER HOUSING	.089
CONTACT	.021

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	0	RELEASED PER 0S14-0068-05.	23MAR2005	JGH	JGH



ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz)	DC to 18
Volt Rating (VRMS MAX)	
@ Sea Level	335
VSWR	1.05+.005f(GHz)
Insertion Loss (dB MAX)	.03x $\sqrt{f(GHz)}$
RF Leakage (dB MIN) (Interface Only, Fully Mated)	-(90-f(GHz))
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

MECHANICAL	
Interface Dimensions	PER OMNI SPECTRA CATALOG
Mating Characteristics:	
Insertion (MAX Lbs)	3
Withdrawal (MIN Oz)	1
Force to Engage (In-Lbs MAX)	3
& Disengage (In-Lbs MAX)	1.5
Center Contact Captivation Axial (Lbs)	6
Cable Retention	
Axial Force (Lbs MIN)	30
Torque (In-Oz MIN)	16
Weight (Grams)	TBD

ENVIRONMENTAL	
TEMPERATURE RATING	-55° TO +125°C
Vibration MIL-STD-202, Method 204, Condition D	
Shock MIL-STD-202, Method 213, Condition I	
Thermal Shock MIL-STD-202, Method 107, Condition B	
Moisture Resistance MIL-STD-202, Method 106	
Corrosion - MIL-STD-202, Method 101, Condition B	

6059503-1

PART NUMBER

COMPONENT	MATERIAL	FINISH
OUTER HOUSING MOUNTING NUT WASHER	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
SPRING	MUSIC WIRE	ZINC PLATE PER ASTM B
INNER HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-56204
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT CONTACT RING	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-56204
CONTACT SLEEVE	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD FLASH PER MIL-G-56204
RETAINING RING SPRING WASHER	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	NICKEL PLATE PER QQ-N-290

6059503

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES / mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005 / 0.13
4 PLC ± -
ANGLES ± 1°

MATERIAL: SEE TABLE
FINISH: SEE TABLE

DWN J. HAVENER 23MAR2005
CHK J. HAVENER 23MAR2005
APVD J. HAVENER 23MAR2005
PRODUCT SPEC —
APPLICATION SPEC 408-4596
WEIGHT —
CUSTOMER DRAWING

tyco Electronics — Tyco Electronics Corporation, Harrisburg, Pa 17105-3608

NAME: OSP FLOATING BULKHEAD FEETHRU CABLE JACK DIRECT SOLDER ATTACHMENT (4522-5031-02)

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-6059503	—

SCALE 6:1 SHEET 1 OF 1 REV O