



1770-5588
MIL-DTL-83513 Type Micro-D Hermetic Connectors
O-ring Seal, Pin-Socket, Bulkhead Feed-thru



O-Ring Mounting eliminates the cost of soldering the connector to a bulkhead.

Kovar® Shells and Contacts comply with applicable MIL-DTL-83513 requirements and are 100% intermateable with standard connectors.

HOW TO ORDER				
Series	Finish	Shell Size	O-Ring Location	O-Ring Material
1770-5588 Hermetic, O-ring Seal, Pin-Socket, Bulkhead Feedthrough Micro-D	H = Nickel	Contact Quantity	P = Pin Side S = Socket Side	C (****) = Conductive Elastomer E = EPDM (Ethylene-Propylene) V = Viton N = Nitrile (Buna-N) S = Silicone (ZZ-R-765) B = Butyl Rubber (IIR) K = Kalrez (FFKM)
Sample Part Number				
1770-5588	H	-37	S	-V

DIMENSIONS													
Number of Contacts	A Max	B Bsc	C Max	D Max	E Max	F Bsc	G Max	H Max	J Max	K Max	L Max	M ±.005	N ±.005
9	1.488 (37.80)	0.565 (14.35)	0.250 (6.35)	0.728 (18.49)	0.675 (17.15)	1.011 (25.68)	0.400 (10.16)	0.334 (8.48)	0.240 (6.10)	0.184 (4.67)	1.260 (32.00)	0.735 (18.67)	0.260 (6.60)
15	1.638 (41.61)	0.715 (18.16)	0.250 (6.35)	0.878 (22.30)	0.675 (17.15)	1.161 (29.49)	0.550 (13.97)	0.484 (12.29)	0.240 (6.10)	0.184 (4.67)	1.420 (36.07)	0.885 (22.48)	0.260 (6.60)
21	1.788 (45.42)	0.865 (21.97)	0.250 (6.35)	1.078 (27.38)	0.675 (17.15)	1.311 (33.30)	0.700 (17.78)	0.634 (16.10)	0.240 (6.10)	0.184 (4.67)	1.570 (39.88)	1.085 (27.56)	0.260 (6.60)
25	1.888 (47.96)	0.965 (24.51)	0.250 (6.35)	1.128 (28.65)	0.675 (17.15)	1.411 (35.84)	0.800 (20.32)	0.734 (18.64)	0.240 (6.10)	0.184 (4.67)	1.670 (42.42)	1.135 (28.83)	0.260 (6.60)
31	2.038 (51.77)	1.115 (28.32)	0.250 (6.35)	1.278 (32.46)	0.675 (17.15)	1.561 (39.65)	0.950 (24.13)	0.884 (22.45)	0.240 (6.10)	0.184 (4.67)	1.820 (46.23)	1.285 (32.64)	0.260 (6.60)
37	2.188 (55.58)	1.265 (32.13)	0.250 (6.35)	1.428 (36.27)	0.675 (17.15)	1.711 (43.46)	1.100 (27.94)	1.034 (26.26)	0.240 (6.10)	0.184 (4.67)	1.990 (50.55)	1.435 (36.45)	0.260 (6.60)
51	2.138 (54.31)	1.215 (30.86)	0.310 (7.87)	1.378 (35.00)	0.715 (18.16)	1.661 (42.19)	1.050 (26.67)	0.984 (24.99)	0.290 (7.37)	0.224 (5.69)	1.930 (49.02)	1.385 (35.18)	0.320 (8.13)
51-2	2.538 (64.47)	1.615 (41.02)	0.250 (6.35)	1.778 (45.16)	0.675 (17.15)	2.061 (52.35)	1.451 (36.86)	1.384 (35.15)	0.240 (6.10)	0.184 (4.67)	2.345 (59.56)	1.785 (45.34)	0.260 (6.60)
67	2.950 (74.93)	2.015 (51.18)	0.250 (6.35)	2.180 (55.37)	0.675 (17.15)	2.460 (62.48)	1.850 (46.99)	1.784 (45.31)	0.240 (6.10)	0.184 (4.67)	2.710 (68.83)	2.190 (55.63)	0.260 (6.60)
69	2.600 (66.04)	1.515 (38.48)	0.310 (7.87)	1.678 (42.62)	0.715 (18.16)	2.050 (52.07)	1.350 (34.29)	1.284 (32.61)	0.290 (7.37)	0.224 (5.69)	2.230 (56.64)	1.685 (42.80)	0.320 (8.13)
100	2.820 (71.63)	1.800 (45.72)	0.330 (8.38)	2.002 (50.85)	0.795 (20.19)	2.312 (58.72)	1.451 (36.86)	1.384 (35.15)	0.325 (8.25)	0.270 (6.86)	2.575 (65.41)	2.010 (51.05)	0.340 (8.64)

CONDUCTIVE O-RING MATERIAL OPTIONS		
Number	Material	Eqp't Shield Req't (TYP)
C1224	Silver in silicone	> 120 dB
C1221	Silver in fluorosilicone	> 120 dB
C6502	Nickel-plated aluminum in silicone	> 100 dB
C6503	Nickel-plated aluminum in fluorosilicone	> 100 dB
C1285	Silver-plated aluminum in silicone	90-110 dB
C1287	Silver-plated aluminum in fluorosilicone	90-110 dB
C1215	Silver-plated copper in silicone	105-120 dB
C1217	Silver-plated copper in fluorosilicone	105-120 dB
C1298*	Silver-plated aluminum in fluorosilicone	90-110 dB

All numbers are cho-seal compounds

Consult factory for other options

* = Standard o-ring supplied for most aircraft & marine military applications

