

1770-3687

MIL-DTL-83513 Type Micro-D Hermetic Connectors  
Panel Mount O-ring Seal, Socket-Socket, Bulkhead Feed-thru



MIL-DTL-83513 Type Connectors

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

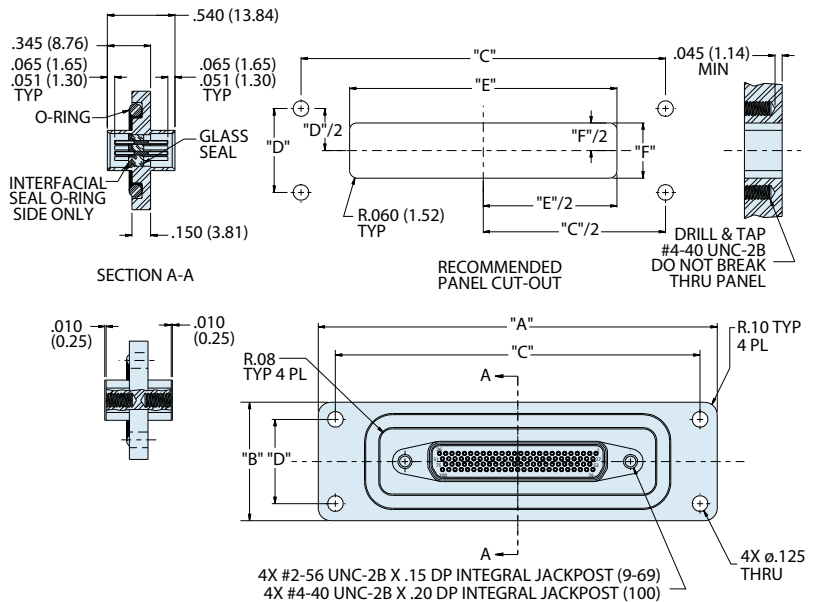
**Kovar® Shells and Contacts** comply with applicable MIL-DTL-83513 requirements and are 100% intermateable with standard connectors.

HOW TO ORDER		
Series	Layout Number of Contacts	O-Ring Material
<b>1770-3687</b>	<b>9</b>	<b>C (****)</b> = Conductive Elastomer
Micro-D	<b>15</b>	<b>E</b> = EPDM (Ethylene-Propylene)
Hermetic Socket	<b>21</b>	<b>V</b> = Viton (Fluorocarbon: FKM)
Shell, Size	<b>25</b>	<b>N</b> = Nitrile (Buna-N)
9-100, Panel	<b>31</b>	<b>S</b> = Silicone (ZZ-R-765)
Mount	<b>37</b>	<b>B</b> = Butyl Rubber (IIR)
	<b>51</b>	<b>K</b> = Kalrez (FFKM)
	<b>51-2</b>	Omit for fluorosilicone (STD)
	<b>67</b>	
	<b>69</b>	
	<b>100</b>	
Sample Part Number		
<b>1770-3687</b>	<b>-15</b>	<b>V</b>

DIMENSIONS							
Layout	A	B	C	D	E	F	O-ring Size
<b>9</b>	±.015 (0.38)	±.015 (0.38)	±.010 (0.25)	±.010 (0.25)	±.005 (0.13)	±.005 (0.13)	2-119
<b>15</b>	1.945 (49.40)	.860 (21.84)	1.670 (42.42)	.585 (14.86)	.900 (22.86)	.355 (9.02)	2-120
<b>21</b>	2.035 (51.69)	.860 (21.84)	1.760 (44.70)	.585 (14.86)	1.025 (26.03)	.355 (9.02)	2-122
<b>25</b>	2.235 (56.77)	.860 (21.84)	1.960 (49.78)	.585 (14.86)	1.190 (30.23)	.355 (9.02)	2-123
<b>31</b>	2.340 (59.44)	.860 (21.84)	2.065 (52.45)	.585 (14.86)	1.295 (32.89)	.355 (9.02)	2-124
<b>37</b>	2.425 (61.59)	.860 (21.84)	2.150 (54.61)	.585 (14.86)	1.380 (35.05)	.355 (9.02)	2-126
<b>51</b>	2.635 (66.93)	.860 (21.84)	2.360 (59.94)	.585 (14.86)	1.590 (40.39)	.355 (9.02)	2-126
<b>51-2</b>	2.550 (64.77)	.945 (24.00)	2.275 (57.79)	.670 (17.02)	1.505 (38.23)	.440 (11.18)	2-129
<b>67</b>	2.935 (74.55)	.860 (21.84)	2.660 (67.56)	.585 (14.86)	1.895 (48.13)	.355 (9.02)	2-129
<b>69</b>	3.340 (84.84)	.860 (21.84)	3.060 (77.72)	.585 (14.86)	2.365 (60.07)	.355 (9.02)	2-135
<b>100</b>	2.850 (72.39)	.945 (24.00)	2.575 (65.41)	.670 (17.02)	1.805 (45.85)	.440 (11.18)	2-129
<b>100</b>	3.180 (80.77)	.945 (24.00)	2.910 (73.91)	.670 (17.02)	2.215 (56.26)	.440 (11.18)	2-132

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



Dimensions in Inches (millimeters) are subject to change without notice.

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U.S. CAGE Code 06324

Printed in U.S.A.

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Rev. 01.02.24