

1770-5260 Code Red Lightweight Hermetic Micro-D Connectors Feed-Thru, Rear Panel Mount



Micro-D
Hermetic



Code Red Encapsulant proprietary Glenair encapsulant and application process provides a lightweight alternative to heavy Kovar shells typically used in glass to metal hermetic connectors while using standard gold-plated copper alloy contacts. Connectors are rated to -65°C to +150°C. Hermeticity of 1×10^{-7} cche/s max, @ 1 atmosphere.

Mates with all standard MIL-DTL-83513 plug or socket connectors of equivalent size.

CODE RED™

MATES WITH All 83513
Plug or Socket Connectors

How To Order Code Red Light Weight Hermetic Micro-D Connectors with Rear Panel Mount							
Sample Part Number	1770-5260	-3	-25	P	S	U	-V
Series	1770-5260 Code Red Hermetic Micro-D Feed-Thru						
Shell Finish	1 = Aluminum/cadmium 2 = Aluminum/electroless nickel 3 = Stainless steel/passivated		4 = Aluminum/black anodize 5 = Aluminum/gold 6 = Aluminum/chemfilm				
Contact Layout	9, 15, 21, 25, 31, 37, 51-2, 51, 67, 69, 75, 100, 130						
Contact Type (Mount Side)	P = pin S = socket						
Contact Type (Panel Side)	P = pin S = socket						
Mounting Threads	A = #2-56 UNC U = #4-40 UNC M = M3 METRIC						
O-Ring Material	Specify per Table II (omit for standard fluorosilicone)						

DESIGNATOR	MATERIAL
C	FLUOROSILICONE, CONDUCTIVE (CHOSEAL 1298)
E	EPDM (ETHYLENE-PROPYLENE)
V	VITON (FLUOROCARBON; FKM)
N	NITRILE (BUNA-N)
S	SILICONE (ZZ-R-765)
B	BUTYL RUBBER (IIR)
K	KALREZ (FFKM)

Material/finish

Shells & plate: see part number development above.
Insulators: high grade rigid dielectric
O-ring: see Table II
Seals: fluorosilicone
Contacts: copper alloy / gold over nickel.
Sealing compound: polymer encapsulant

Notes

1. Adapter shall mate with all Micro-D, plug or socket connectors per MIL-DTL-83513.
2. Contact layout shown for reference only.
3. For panel thickness greater than .062 Thick, the mounting holes for -100 & -130 must be counter-bored as shown when mating connector has a backshell to prevent interference. Diameters shown are for socket-head cap screws. User to adjust for different screw type.

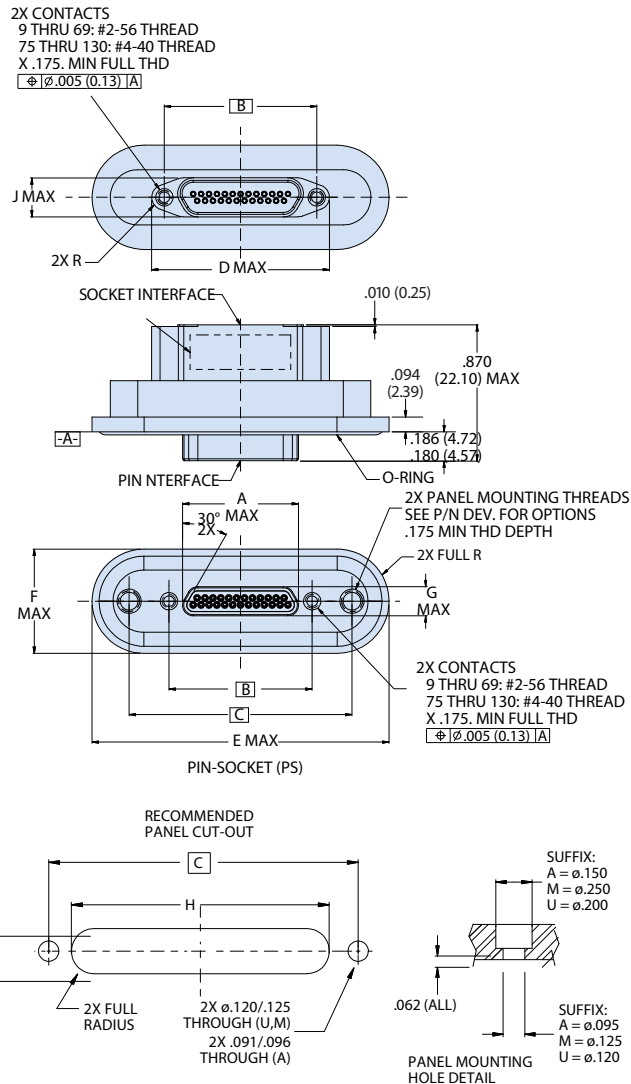
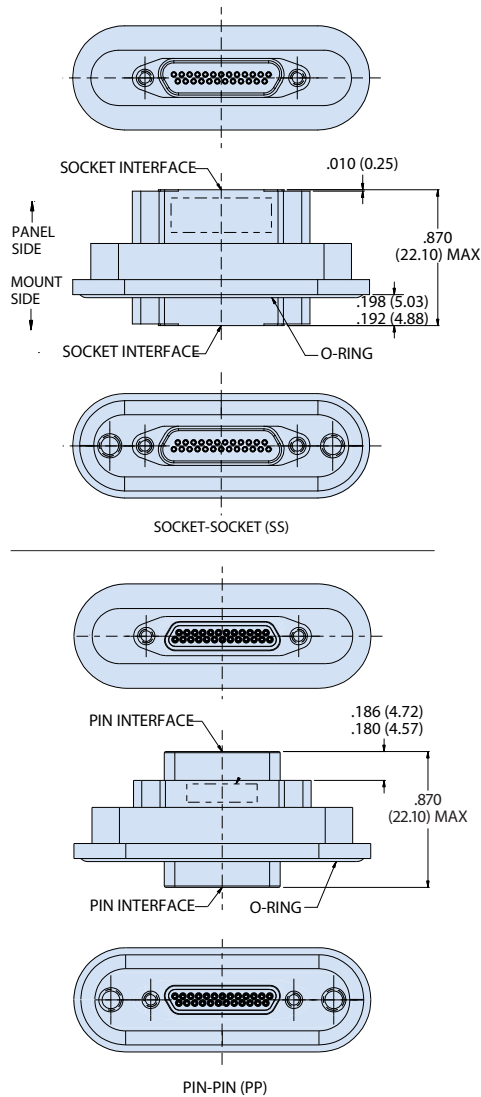
Performance

- Meet applicable mechanical and environmental requirements per MIL-DTL-83515;
- Operation temperature range: -65°C to +150°C
- Leak rate: 1×10^{-7} cche/s max, 1 ATM.
- IR: 5,000 megohms min at 500 VDC, room temperature.
- DWV: 600 VAC at sea level.

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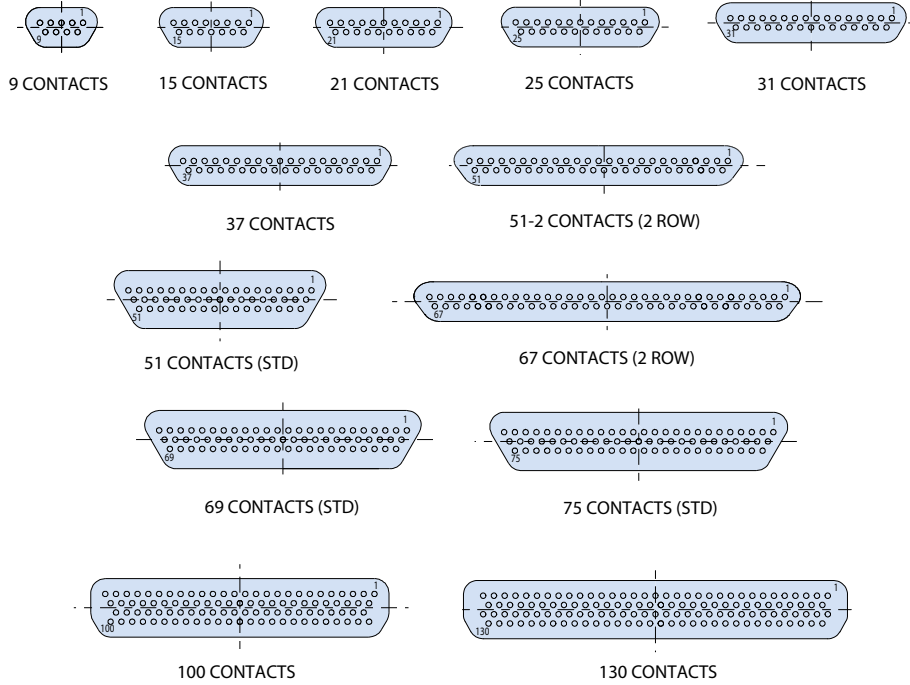
Dimensions										
SIZE	A MAX	B	C	D MAX	E MAX	F MAX	G MAX	H±.005	J MAX	K±.005
9	0.334 (8.48)	0.565 (14.35)	1.011 (25.68)	0.740 (18.80)	1.488 (37.80)	0.675 (17.15)	0.184 (4.67)	0.747 (18.97)	0.260 (6.60)	0.270 (6.86)
15	0.484 (12.29)	0.715 (18.16)	1.161 (29.49)	0.890 (22.61)	1.638 (41.61)	0.675 (17.15)	0.184 (4.67)	0.897 (22.78)	0.260 (6.60)	0.270 (6.86)
21	0.634 (16.10)	0.865 (21.97)	1.311 (33.30)	1.040 (26.42)	1.788 (45.42)	0.675 (17.15)	0.184 (4.67)	1.047 (26.59)	0.260 (6.60)	0.270 (6.86)
25	0.734 (18.64)	0.965 (24.51)	1.411 (35.84)	1.140 (28.96)	1.888 (47.96)	0.675 (17.15)	0.184 (4.67)	1.147 (29.13)	0.260 (6.60)	0.270 (6.86)
31	0.884 (22.45)	1.115 (28.32)	1.561 (39.65)	1.290 (32.77)	2.038 (51.77)	0.675 (17.15)	0.184 (4.67)	1.297 (32.94)	0.260 (6.60)	0.270 (6.86)
37	1.034 (26.26)	1.265 (32.13)	1.711 (43.46)	1.440 (36.58)	2.188 (55.58)	0.675 (17.15)	0.184 (4.67)	1.447 (36.75)	0.260 (6.60)	0.270 (6.86)
51-2	1.384 (35.15)	1.615 (41.02)	2.061 (52.35)	1.790 (45.47)	2.538 (64.47)	0.675 (17.15)	0.184 (4.67)	1.797 (45.64)	0.260 (6.60)	0.270 (6.86)
51	0.984 (24.99)	1.215 (30.86)	1.661 (42.19)	1.390 (35.31)	2.138 (54.31)	0.715 (18.16)	0.228 (5.79)	1.397 (35.48)	0.330 (8.38)	0.340 (8.64)
67	1.785 (45.34)	2.015 (51.18)	2.461 (62.51)	2.190 (55.63)	2.938 (74.63)	0.675 (17.15)	0.184 (4.67)	2.197 (55.80)	0.260 (6.60)	0.270 (6.86)
69	1.284 (32.61)	1.515 (38.48)	2.050 (52.07)	1.597 (40.56)	2.600 (66.04)	0.715 (18.16)	0.228 (5.79)	1.604 (40.74)	0.330 (8.38)	0.340 (8.64)
75	1.385 (35.18)	1.705 (43.31)	2.250 (57.15)	1.887 (47.93)	2.750 (69.85)	0.715 (18.16)	0.228 (5.79)	1.894 (48.11)	0.330 (8.38)	0.340 (8.64)
100	1.384 (35.15)	1.800 (45.72)	2.312 (58.72)	2.014 (51.16)	2.820 (71.63)	0.795 (20.19)	0.270 (6.86)	2.021 (51.33)	0.340 (8.64)	0.350 (8.89)
130	1.736 (44.09)	2.150 (54.61)	2.600 (66.04)	2.475 (62.87)	3.120 (79.25)	0.795 (20.19)	0.270 (6.86)	2.482 (63.04)	0.340 (8.64)	0.350 (8.89)

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Mating Face Of Socket Connector Shown



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