

# 1770-4051 Code Red Electrical Connector Micro-D Pin Contacts Rear Panel Mount



Micro-D  
Hermetic



## How To Order Code Red Light Weight Hermetic Micro-D Connectors with Rear Panel Mount

<b>Sample Part Number</b>	1770-4051	-2	-9	P	S	N
<b>Series</b>	1770-4051 Micro-D Plug, Code Red, O-Ring Mount, Pin Contacts					
<b>Shell Material/Plating</b>	1 = Aluminum/cadmium 2 = Aluminum/nickel 3 = Stainless steel/passivated		4 = Aluminum/black anodize 5 = Aluminum/gold 6 = Aluminum/chemfilm			
<b>Contact Layout</b>	9, 15, 21, 25, 31, 37, 51-2, 51, 100					
<b>Contact Type</b>	P = pin					
<b>Termination Type</b>	P = PC tail    S = solder pot					
<b>O-Ring Material</b>	Specify per Table II (omit for standard fluorosilicone)					

Table II

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

Shell: al alloy or stainless steel. See p/n development  
 Insulator: thermoplastic; none  
 Pin contacts: copper alloy; gold plated  
 O-ring: fluorosilicone blend/none  
 Sealing compound: polymer encapsulant  
 Coil threads: stainless steel/passivated

### Notes

1. Marking: "Glenair", part No. and date code in approximate location shown.
2. These hermetic pin connectors mate with all standard MIL-DTL-83513 socket connectors of equivalent size.
3. 9P layout shown for reference only.
4. Connectors supplied with free running coil thd inserts in shell flange.

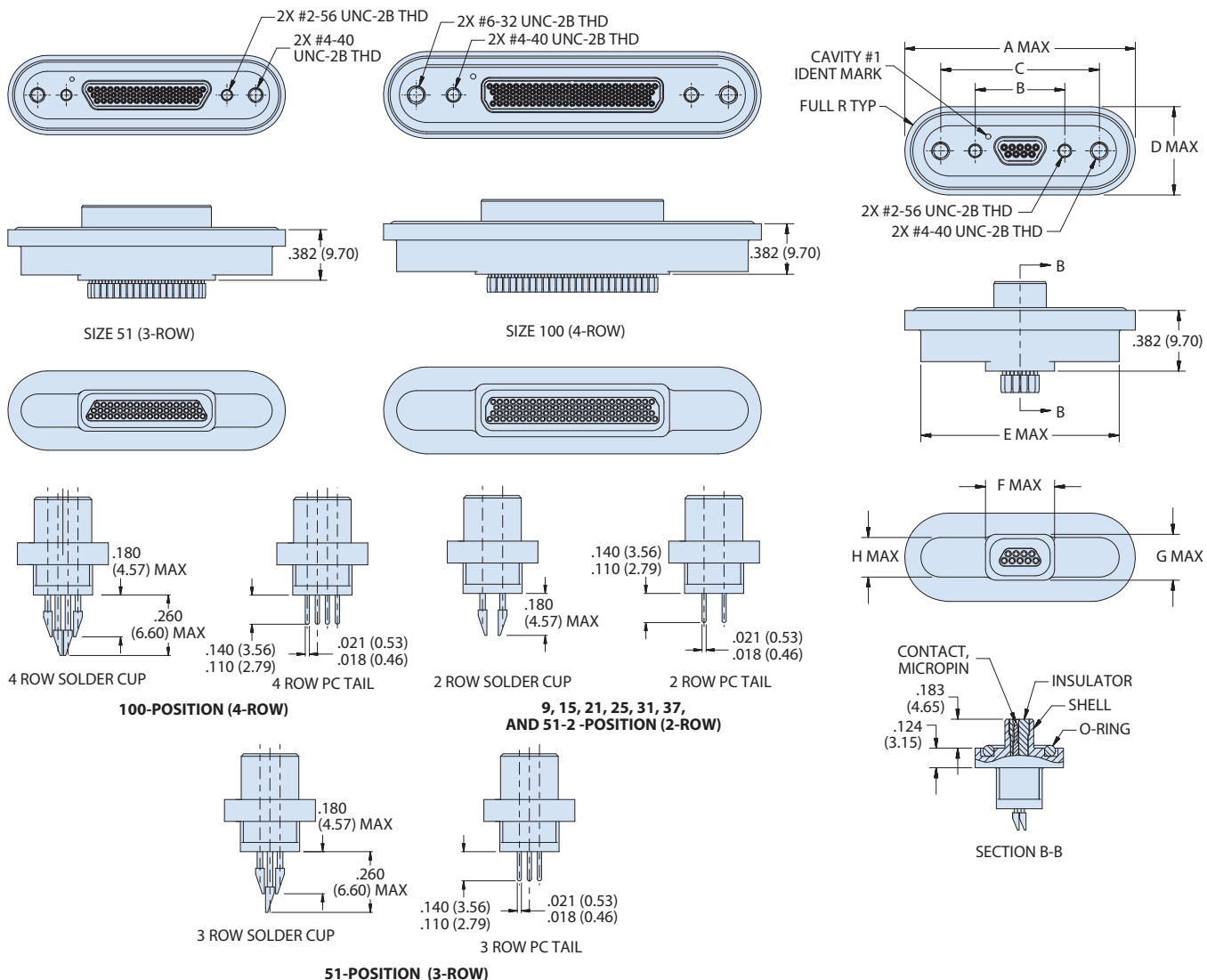
### Performance

- Temperature range: -55°C to +150°C
- DWV (sea level): 150vac; no breakdown
- IR: 5000 MEGOHMS minimum
- Hermeticity: 1 X 10<sup>-7</sup> cc/sec helium @ 1 atm differential





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Dimensions								
NUMBER OF CONTACTS	A MAX	B	C	D MAX	E MAX	F MAX	G MAX	H MAX
9	1.464 (37.19)	0.565 (14.35)	1.000 (25.40)	0.567 (14.40)	1.260 (32.00)	0.445 (11.30)	0.299 (7.59)	0.260 (6.60)
15	1.614 (41.00)	0.715 (18.16)	1.150 (29.21)	0.567 (14.40)	1.410 (35.81)	0.595 (15.11)	0.299 (7.59)	0.260 (6.60)
21	1.764 (44.81)	0.865 (21.97)	1.300 (33.02)	0.567 (14.40)	1.560 (39.62)	0.745 (18.92)	0.299 (7.59)	0.260 (6.60)
25	1.864 (47.35)	0.965 (24.51)	1.400 (35.56)	0.567 (14.40)	1.660 (42.16)	0.845 (21.46)	0.299 (7.59)	0.260 (6.60)
31	2.014 (51.16)	1.115 (28.32)	1.550 (39.37)	0.567 (14.40)	1.810 (45.97)	0.995 (25.27)	0.299 (7.59)	0.260 (6.60)
37	2.164 (54.97)	1.265 (32.13)	1.700 (43.18)	0.567 (14.40)	1.960 (49.78)	1.145 (29.08)	0.299 (7.59)	0.260 (6.60)
51-2	2.514 (63.86)	1.615 (41.02)	2.050 (52.07)	0.567 (14.40)	2.310 (58.67)	1.495 (37.97)	0.299 (7.59)	0.260 (6.60)
51	2.110 (53.59)	1.215 (30.86)	1.650 (41.91)	0.610 (15.49)	1.910 (48.51)	1.055 (26.80)	0.322 (8.18)	0.260 (6.60)
100	2.868 (72.85)	1.800 (45.72)	2.360 (59.94)	0.667 (16.94)	2.670 (67.82)	1.480 (37.59)	0.410 (10.41)	0.310 (7.87)

1770-4051 Code Red Electrical Connector  
Micro-D Pin Contacts  
Rear Panel Mount

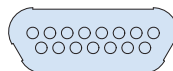


Micro-D  
Hermetic

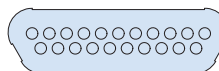
Contact Layout



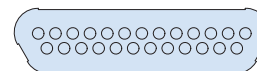
9-POSITION



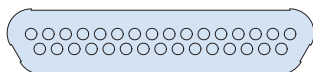
15-POSITION



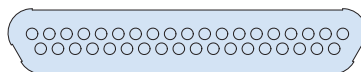
21-POSITION



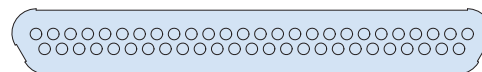
25-POSITION



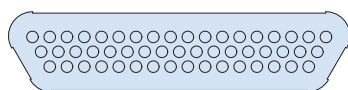
31-POSITION



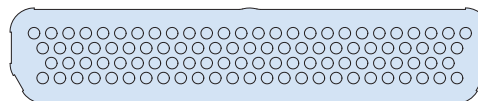
37-POSITION



51-POSITION (2-ROW)



51-POSITION (3-ROW)



100 POSITION

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