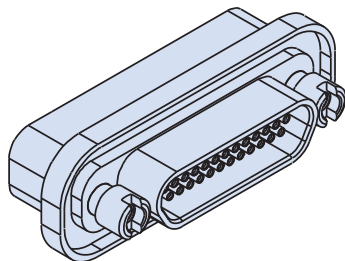




## 240-075 Rear Panel Mount Micro-D Filter Connectors Solder Cup



**Glenair Filtered Solder Cup Rear Panel Mount Micro-D's** provide EMI solutions in a miniaturized M83513 type connector. These connectors feature ceramic capacitor planar arrays and ferrite inductors. Solder cups accept #24 thru #30 AWG wire.

**Choose Pi or C Filter Arrays** in eight filter classes and six layouts. Glenair filtered Micro-D connectors comply with applicable MIL-DTL-83513 requirements and are 100% intermateable with standard connectors.

**Choose 9 to 37 Contacts**, with standard cadmium or nickel plating on the connector housing or choose optional finishes such as gold or chem film.

D

| How To Order Rear Panel Mount Micro-D Filter connectors with Solder Cups |                                                                                                                                                                                                            |    |     |   |   |   |     |    |   |  |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|---|---|---|-----|----|---|--|
| Sample Part Number                                                       | 240-075                                                                                                                                                                                                    | -2 | -25 | S | C | F | -R1 | -N | N |  |
| Series                                                                   | 240-075                                                                                                                                                                                                    |    |     |   |   |   |     |    |   |  |
| Shell Finish                                                             | Aluminum Shell<br>1 - Cadmium      2 - Nickel<br>5 - Gold          6 - Chem Film      33 - Nickel/PTFE                                                                                                     |    |     |   |   |   |     |    |   |  |
| Contact Layout                                                           | 9, 15, 21, 25, 31, 37 (See Table II)                                                                                                                                                                       |    |     |   |   |   |     |    |   |  |
| Contact Type                                                             | P - Pin    S - Socket                                                                                                                                                                                      |    |     |   |   |   |     |    |   |  |
| Filter Type                                                              | C - C Filter    P - Pi Filter                                                                                                                                                                              |    |     |   |   |   |     |    |   |  |
| Filter Class                                                             | A, B, C, D, E, F, G, J (See Table I)                                                                                                                                                                       |    |     |   |   |   |     |    |   |  |
| Hardware Option<br>See Note 1                                            | Rear Panel Mount Hardware Option<br>R1 - 0.032" (0.8) Panel      R2 - 0.047" (1.2) Panel      R3 - 0.062" (1.6) Panel<br>R4 - 0.093" (2.4) Panel      R5 - 0.125" (3.2) Panel      R6 - 0.080" (2.0) Panel |    |     |   |   |   |     |    |   |  |
| Plug EMI Ground Spring<br>See Note 2                                     | G - Ground spring installed    N - No ground spring (N applies to all receptacle assemblies)                                                                                                               |    |     |   |   |   |     |    |   |  |
| O-Ring                                                                   | C - Conductive    N - Non-Conductive (Nitrile)                                                                                                                                                             |    |     |   |   |   |     |    |   |  |

| Table I: Micro-D Filter Classes and Performance |             |             |             |            |           |          |         |        |
|-------------------------------------------------|-------------|-------------|-------------|------------|-----------|----------|---------|--------|
| Filter Class                                    | A           | B           | C           | D          | E         | F        | G       | J      |
| Capacitance (pF)                                |             |             |             |            |           |          |         |        |
| C Filter                                        | 19000-28000 | 16000-22500 | 9000-16500  | 4000-6000  | 1650-2500 | 400-650  | 200-300 | 35-60  |
| Pi Filter                                       | 38000-56000 | 32000-45000 | 18000-33000 | 8000-12000 | 3300-5000 | 800-1300 | 400-600 | 70-120 |

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

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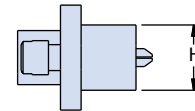
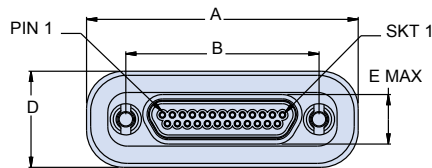
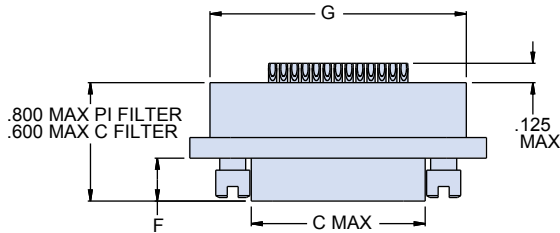
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# 240-075 Rear Panel Mount Micro-D Filter Connectors Solder Cup



Micro-D  
MIL-DTL-83513 Type

Table II: Dimensions



| Shell Size | A ±.005 |       | B ±.003 |       | C Max |       | D ±.005 |       | E Max |      | F ±.003 |      | G ±.005 |       | H Max |      |
|------------|---------|-------|---------|-------|-------|-------|---------|-------|-------|------|---------|------|---------|-------|-------|------|
|            | in.     | mm    | in.     | mm    | in.   | mm    | in.     | mm    | in.   | mm   | in.     | mm   | in.     | mm    | in.   | mm   |
| 9P         | 0.960   | 0.960 | 0.565   | 14.35 | 0.334 | 8.48  | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | .790    | 20.07 | 0.310 | 7.87 |
| 9S         | 0.960   | 0.960 | 0.565   | 14.35 | 0.400 | 10.16 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | .790    | 20.07 | 0.310 | 7.87 |
| 15P        | 1.110   | 1.110 | 0.715   | 18.16 | 0.484 | 12.29 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | .940    | 23.88 | 0.310 | 7.87 |
| 15S        | 1.110   | 1.110 | 0.715   | 18.16 | 0.550 | 13.97 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | .940    | 23.88 | 0.310 | 7.87 |
| 21P        | 1.260   | 1.260 | 0.865   | 21.97 | 0.634 | 16.10 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | 1.090   | 27.69 | 0.310 | 7.87 |
| 21S        | 1.260   | 1.260 | 0.865   | 21.97 | 0.700 | 17.78 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | 1.090   | 27.69 | 0.310 | 7.87 |
| 25P        | 1.360   | 1.360 | 0.965   | 24.51 | 0.734 | 18.64 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | 1.190   | 30.23 | 0.310 | 7.87 |
| 25S        | 1.360   | 1.360 | 0.965   | 24.51 | 0.800 | 20.32 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | 1.190   | 30.23 | 0.310 | 7.87 |
| 31P        | 1.510   | 1.510 | 1.115   | 28.32 | 0.884 | 22.45 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | 1.340   | 34.04 | 0.310 | 7.87 |
| 31S        | 1.510   | 1.510 | 1.115   | 28.32 | 0.950 | 24.13 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | 1.340   | 34.04 | 0.310 | 7.87 |
| 37P        | 1.660   | 1.660 | 1.265   | 32.13 | 1.034 | 26.26 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | 1.490   | 37.85 | 0.310 | 7.87 |
| 37S        | 1.660   | 1.660 | 1.265   | 32.13 | 1.100 | 27.94 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | 1.490   | 37.85 | 0.310 | 7.87 |

## Notes

- Mounting holes fitted with 2x .086-56 threaded insert, .15 min thread. (T3585-02CPF129).
- Ground spring not available on cadmium plated assemblies.
- Interface dimensions per MIL-DTL-83513.
- Electrical performance:  
I.R.: 5000 Megohms min at 100 VDC  
D.W.V.: 200 VDC
- Assembly to be identified with Glenair's name, part number, date code, and pin 1 identification.

## Materials / Finishes:

- Shell - Aluminum Alloy/See Chart
- Insulator - LCP/NA
- Contacts - Copper Alloy/Gold Plated
- Ground Spring - Stainless Steel/Gold Plated
- Socket Interfacial Seal: Fluorosilicone

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

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