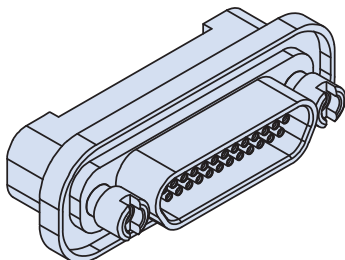




## 240-076 Rear Panel Mount PCB Micro-D Filter Connectors Vertical Mount Style



### Glenair Rear Panel Mount Micro-D, PCB Filter Connector

These vertical mount PCB connectors are ideal for flexible circuit or motherboard applications.

**Key Features include** gold plated TwistPin contacts, machined aluminum shells, and either Pi or C filter elements. These environmentally sealed connectors are designed to meet the requirements of MIL-DTL-83513.

**Integral Board Standoffs and Pre-Tinned Tails** These connectors are solder dipped (63/37 SnPb) and feature a full complement of mounting hardware options.

How To Order Rear Panel Mount Micro-D Filtered Vertical Mount PCB

| Sample Part Number                   | 240-076                                                                                                                                                                                            | -2 | -25 | S | C | F | R1 | .110 | N | N |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|---|---|---|----|------|---|---|
| Series                               | 240-076                                                                                                                                                                                            |    |     |   |   |   |    |      |   |   |
| Shell Finish                         | Aluminum Shell<br>1 - Cadmium    2 - Nickel    5 - Gold<br>6 - Chem Film    33 - Nickel/PTFE                                                                                                       |    |     |   |   |   |    |      |   |   |
| Contact Layout                       | 9, 15, 21, 25, 31, 37 (See Table II)                                                                                                                                                               |    |     |   |   |   |    |      |   |   |
| Contact Type                         | P - Plug/Pin    S - Receptacle/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" (.08) Panel    R2 - 0.047" (.12) Panel    R3 - 0.062" (.16) Panel<br>R4 - 0.093" (.12) Panel    R5 - 0.125" (.32) Panel    R6 - 0.080" (.20) Panel |    |     |   |   |   |    |      |   |   |
| Lead Length                          | .080, .110, .125, .140, .150, .190, .250                                                                                                                                                           |    |     |   |   |   |    |      |   |   |
| Plug EMI Ground Spring<br>See Note 2 | G - Ground Spring Installed    N - No Ground Spring<br>(N applies to all receptacle assemblies)                                                                                                    |    |     |   |   |   |    |      |   |   |
| O-Ring                               | C - Conductive    N - Non-Conductive (Nitrile)                                                                                                                                                     |    |     |   |   |   |    |      |   |   |

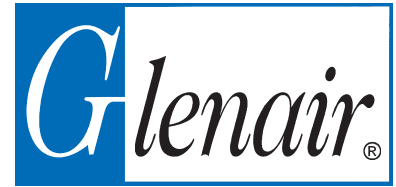
Table I: Micro-D Filter Classes and Performance

| 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 |

# 240-076

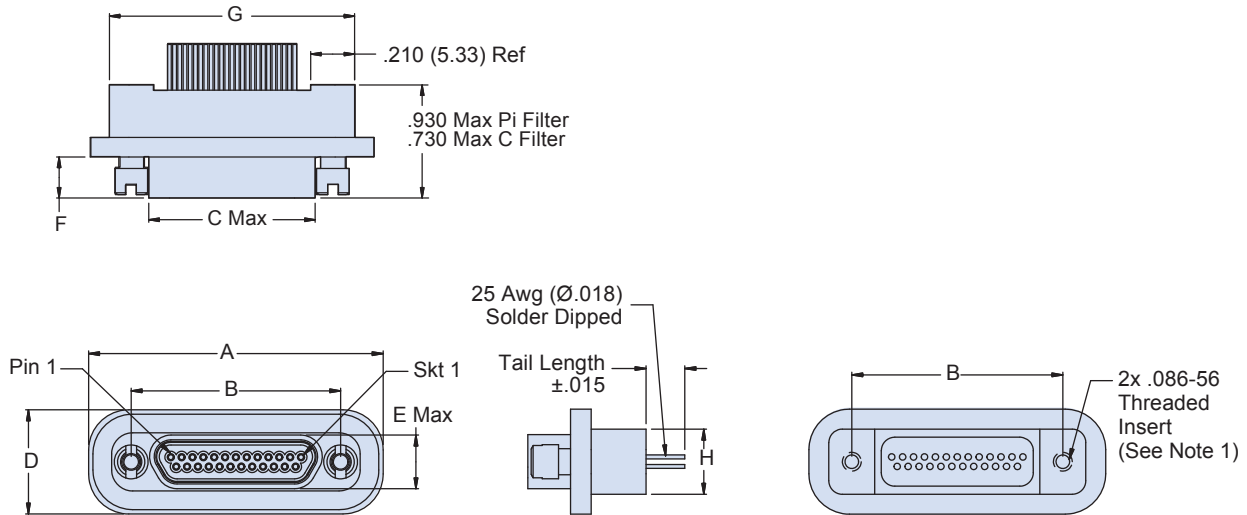
## PCB Rear Panel Mount Micro-D Filter Connectors

### Vertical Mount Style



Micro-D Filter

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   |
| <b>9P</b>  | 0.960   | 24.38 | 0.565   | 14.35 | 0.334 | 364.52 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | .790    | 20.07 | 0.310 | 7.87 |
| <b>9S</b>  | 0.960   | 24.38 | 0.565   | 14.35 | 0.400 | 364.52 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | .790    | 20.07 | 0.310 | 7.87 |
| <b>15P</b> | 1.110   | 28.19 | 0.715   | 18.16 | 0.484 | 461.29 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | .940    | 23.88 | 0.310 | 7.87 |
| <b>15S</b> | 1.110   | 28.19 | 0.715   | 18.16 | 0.550 | 461.29 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | .940    | 23.88 | 0.310 | 7.87 |
| <b>21P</b> | 1.260   | 32.00 | 0.865   | 21.97 | 0.634 | 558.06 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | 1.090   | 27.69 | 0.310 | 7.87 |
| <b>21S</b> | 1.260   | 32.00 | 0.865   | 21.97 | 0.700 | 558.06 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | 1.090   | 27.69 | 0.310 | 7.87 |
| <b>25P</b> | 1.360   | 34.54 | 0.965   | 24.51 | 0.734 | 622.58 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | 1.190   | 30.23 | 0.310 | 7.87 |
| <b>25S</b> | 1.360   | 34.54 | 0.965   | 24.51 | 0.800 | 622.58 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | 1.190   | 30.23 | 0.310 | 7.87 |
| <b>31P</b> | 1.510   | 38.35 | 1.115   | 28.32 | 0.884 | 719.35 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | 1.340   | 34.04 | 0.310 | 7.87 |
| <b>31S</b> | 1.510   | 38.35 | 1.115   | 28.32 | 0.950 | 719.35 | 0.480   | 12.19 | 0.250 | 6.35 | 0.195   | 4.95 | 1.340   | 34.04 | 0.310 | 7.87 |
| <b>37P</b> | 1.660   | 42.16 | 1.265   | 32.13 | 1.034 | 816.13 | 0.480   | 12.19 | 0.184 | 4.67 | 0.183   | 4.65 | 1.490   | 37.85 | 0.310 | 7.87 |
| <b>37S</b> | 1.660   | 42.16 | 1.265   | 32.13 | 1.100 | 816.13 | 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.
- See 240-031 for PCB layout

### 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

# Mouser Electronics

Authorized Distributor

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[240-076-2-21SCD-R3-.110NC](#) [240-076-2-25PPDR5-.150GC](#) [240-076-6-25SPF-R3-.110NC](#) [240-076-6-31SPF-R3-.110NC](#)