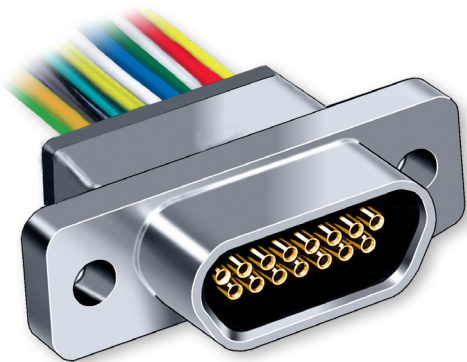




## 240-032 Pre-Wired Micro-D Filter Connectors Insulated Wire



**Glenair Filtered Pigtail Micro-D's** provide EMI solutions in a miniaturized M83513 Micro-D connector. These connectors feature ceramic capacitor planar arrays and ferrite inductors. Insulated wire is factory precision-crimped to TwistPin contacts for superior reliability in the most demanding environments.

**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% interchangeable 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.

### How To Order Filter Micro-D Connectors with Insulated Wire Pigtails

| Sample Part Number        | 240-032                                                                                                                                                                     | -2 | -25 | P | P | B | 6 | K | 1 | -18 | B |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|---|---|---|---|---|---|-----|---|
| <b>Series</b>             | <b>240-032</b>                                                                                                                                                              |    |     |   |   |   |   |   |   |     |   |
| <b>Shell Finish</b>       | Aluminum Shell      Stainless Steel Shell<br><b>1</b> - Cadmium <b>2</b> - Nickel <b>3</b> - Passivated<br><b>4</b> - Black Anodize <b>5</b> - Gold<br><b>6</b> - Chem Film |    |     |   |   |   |   |   |   |     |   |
| <b>Contact Layout</b>     | <b>9, 15, 21, 25, 31, 37</b> (See Table III)                                                                                                                                |    |     |   |   |   |   |   |   |     |   |
| <b>Contact Type</b>       | Solder Cup Contacts for #24 AWG or Smaller Wire<br><b>P</b> - Pin <b>S</b> - Socket                                                                                         |    |     |   |   |   |   |   |   |     |   |
| <b>Filter Type</b>        | <b>C</b> - C Filter <b>P</b> - Pi Filter (See Table II)                                                                                                                     |    |     |   |   |   |   |   |   |     |   |
| <b>Filter Class</b>       | <b>A, B, C, D, E, F, G, J</b> (See Table I)                                                                                                                                 |    |     |   |   |   |   |   |   |     |   |
| <b>Wire Gage (AWG)</b>    | <b>4</b> - #24 <b>6</b> - #26                                                                                                                                               |    |     |   |   |   |   |   |   |     |   |
| <b>Wire Type</b>          | <b>K</b> - M22759/11 600 Vrms Teflon® (TFE) <b>J</b> - M22759/33 600 Vrms Modified Cross-Linked Tefzel® (ETFE)                                                              |    |     |   |   |   |   |   |   |     |   |
| <b>Wire Color</b>         | <b>1</b> - White <b>2</b> - Yellow <b>5</b> - Color-Coded Stripes Per MIL-STD-681 (#24 and #26 gage only)<br><b>7</b> - Ten Color Repeat                                    |    |     |   |   |   |   |   |   |     |   |
| <b>Wire Length Inches</b> | <b>18</b> wire Length In Inches. "18" Specifies 18 Inches.                                                                                                                  |    |     |   |   |   |   |   |   |     |   |
| <b>Hardware</b>           | <b>B, P, M, M1, S, S1, L, K, H</b> (See Table I)                                                                                                                            |    |     |   |   |   |   |   |   |     |   |

Table I: Micro-D Mounting Hardware

| B                                            | P                                                   | M                                            | M1                                                       | S                                             | S1                                                        | L                                          | K                                                       | H                  |
|----------------------------------------------|-----------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------|--------------------------------------------|---------------------------------------------------------|--------------------|
|                                              |                                                     |                                              |                                                          |                                               |                                                           |                                            |                                                         |                    |
| Thru-Hole<br>Order<br>Hardware<br>Separately | Jackpost<br>Removable<br>Includes Nut<br>and Washer | Jackscrew<br>Hex Head<br>Removable<br>E-ring | Jackscrew<br>Hex Head<br>Removable<br>E-ring<br>Extended | Jackscrew<br>Slot Head<br>Removable<br>E-ring | Jackscrew<br>Slot Head<br>Removable<br>E-ring<br>Extended | Jackscrew<br>Hex Head<br>Non-<br>Removable | Jackscrew<br>Slot Head<br>Non-<br>Removable<br>Extended | Threaded<br>Insert |

# 240-032

## Pre-Wired Micro-D Filter Connectors

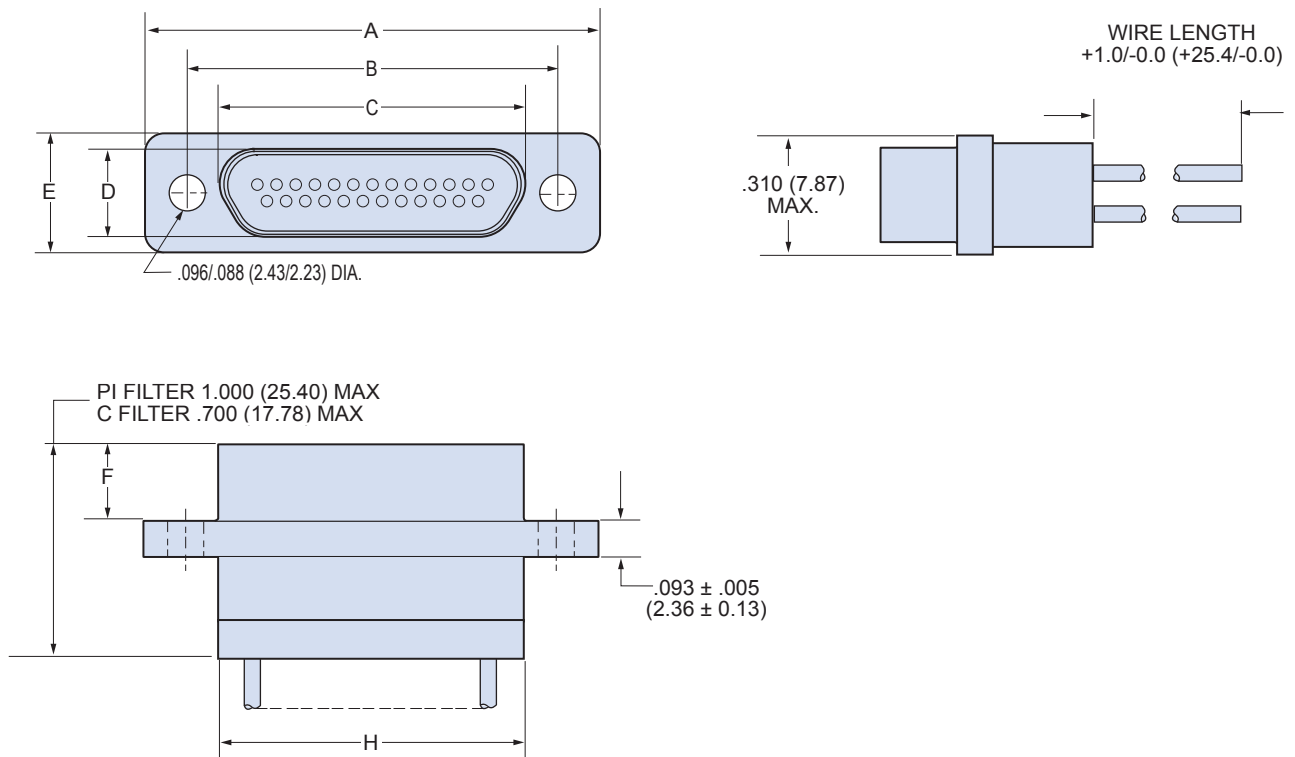
### Insulated Wire



Table II: 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 |

Table III: Dimensions



| Layout | A Max |       | B             |               | C Max. |       | D Max. |      | E Max. |      | F             |               | H Max. |       |
|--------|-------|-------|---------------|---------------|--------|-------|--------|------|--------|------|---------------|---------------|--------|-------|
|        | In.   | mm.   | In.<br>± .003 | mm.<br>± 0.08 | In.    | mm.   | In.    | mm.  | In.    | mm.  | In.<br>± .004 | mm.<br>± 0.10 | In.    | mm.   |
| 9P     | .785  | 19.94 | .565          | 14.35         | .333   | 8.46  | .184   | 4.67 | .322   | 8.18 | .183          | 4.65          | .400   | 10.16 |
| 9S     | .785  | 19.94 | .565          | 14.35         | .400   | 10.16 | .250   | 6.35 | .322   | 8.18 | .195          | 4.95          | .400   | 10.16 |
| 15P    | .935  | 23.75 | .715          | 18.16         | .483   | 12.27 | .184   | 4.67 | .322   | 8.18 | .183          | 4.65          | .550   | 13.97 |
| 15S    | .935  | 23.75 | .715          | 18.16         | .551   | 14.00 | .250   | 6.35 | .322   | 8.18 | .195          | 4.95          | .550   | 13.97 |
| 21P    | 1.085 | 27.56 | .865          | 21.97         | .633   | 16.08 | .184   | 4.67 | .322   | 8.18 | .183          | 4.65          | .700   | 17.78 |
| 21S    | 1.085 | 27.56 | .865          | 21.97         | .701   | 17.81 | .250   | 6.35 | .322   | 8.18 | .195          | 4.95          | .700   | 17.78 |
| 25P    | 1.185 | 30.10 | .965          | 24.51         | .733   | 18.62 | .184   | 4.67 | .322   | 8.18 | .183          | 4.65          | .800   | 20.32 |
| 25S    | 1.185 | 30.10 | .965          | 24.51         | .801   | 20.35 | .250   | 6.35 | .322   | 8.18 | .195          | 4.95          | .800   | 20.32 |
| 31P    | 1.335 | 33.91 | 1.115         | 28.32         | .883   | 22.43 | .184   | 4.67 | .322   | 8.18 | .183          | 4.65          | .950   | 24.13 |
| 31S    | 1.335 | 33.91 | 1.115         | 28.32         | .951   | 24.16 | .250   | 6.35 | .322   | 8.18 | .195          | 4.95          | .950   | 24.13 |
| 37P    | 1.485 | 37.72 | 1.265         | 32.13         | 1.033  | 26.24 | .184   | 4.67 | .322   | 8.18 | .183          | 4.65          | 1.100  | 27.94 |
| 37S    | 1.485 | 37.72 | 1.265         | 32.13         | 1.101  | 27.96 | .250   | 6.35 | .322   | 8.18 | .195          | 4.95          | 1.100  | 27.94 |

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