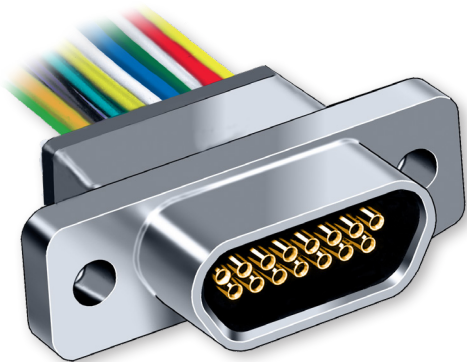




## 240-032 Pre-Wired Micro-D Filter Connectors Insulated Wire



**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% 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.

### 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 |



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| 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**

WIRE LENGTH  
+1.0/-0.0 (+25.4/-0.0)

PI FILTER 1.000 (25.40) MAX  
C FILTER .700 (17.78) MAX

Dimensions shown in the drawings include:

- A: Overall length
- B: Length to last pin
- C: Length to first pin
- D: Pin diameter
- E: Overall height
- F: Height to top of housing
- H: Length of mounting tabs
- Thickness:  $.093 \pm .005$  (2.36  $\pm$  0.13)
- Callout:  $.096/.088$  (2.43/2.23) DIA.


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