

Micro-D Filter Connectors Right Angle Printed Circuit Board



Right Angle Board Mount Filtered Micro-D's. These connectors feature low-pass EMI filtering in a right angle header for PCB termination.

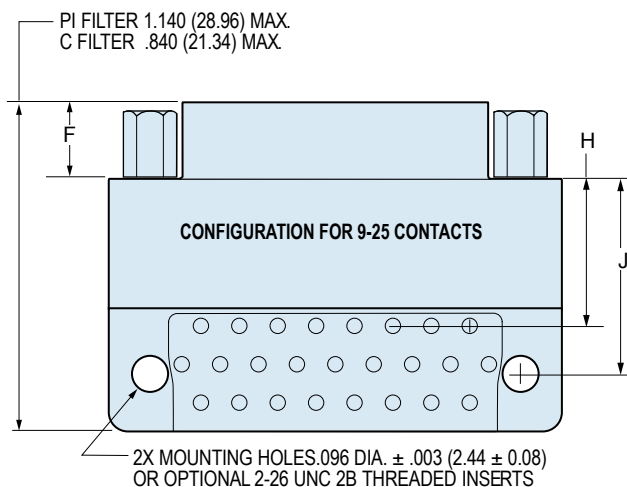
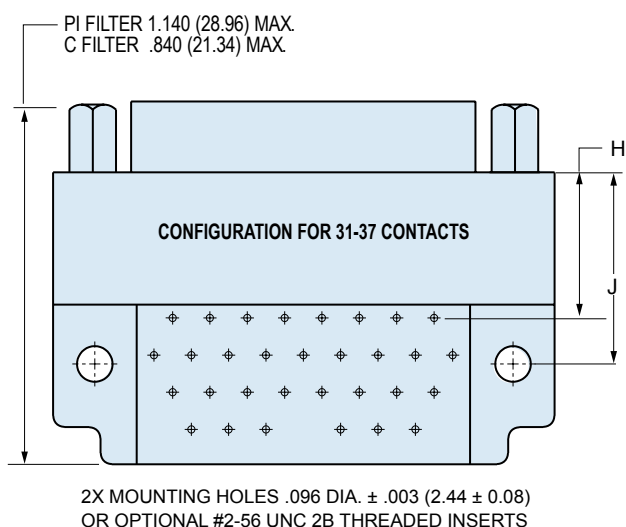
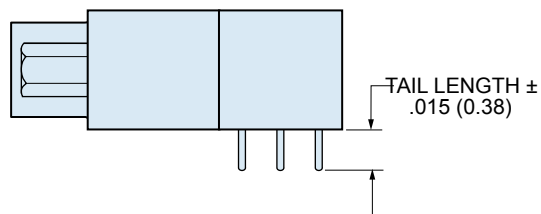
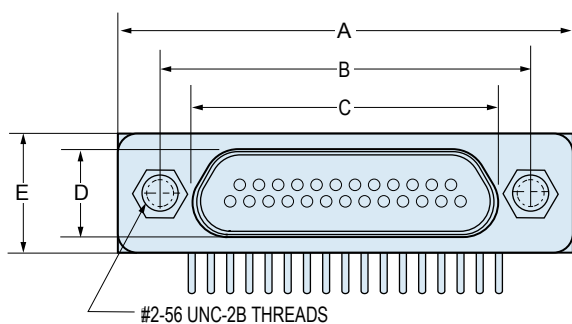
Key Features include gold plated TwistPin contacts, machined aluminum shells, and either Pi or C filter elements. These environmentally sealed connectors are designed to meet the requirements of MIL-DTL-83513.

.100" x .100" Board Spacing – These connectors are similar to “CBR” style Micro-D's and share the same board footprint, allowing retrofit to existing boards.

HOW TO ORDER MICRO-D FILTERED RIGHT ANGLE PCB

F

| Series | Shell Finish | Number of Contacts | Contact Type | Filter Type | Filter Class | Hardware Option | Tail Length | | | |
|---------|---------------------------|--------------------|--------------|----------------|--------------|---|--------------------------|--------------------------|--------------------------|--|
| 240-034 | 1 – Cadmium | 9 | P Pin | C C Filter | A | NN – No Jackpost, No Threaded Insert | .080 | | | |
| | 2 – Nickel | 15 | | | B | PN – Jackpost, No Threaded Insert | .110 | | | |
| | 4 – Black Anodize | 21 | | | C | NU – Threaded Insert Only, No Jackposts | .125 | | | |
| | | 25 | S Socket | P Pi Filter | D | PU – Jackpost and Threaded Insert | .150 | | | |
| | 5 – Gold | 31 | | | E | Rear Panel Jackposts With Threaded Inserts | .190 | | | |
| | 6 – Chem Film | 37 | | | F | | Length in Inches | .250 | | |
| | | | | | | | | R6U – 0.125" (3.2) Panel | | |
| | | | | | | | | | R5U – 0.094" (2.4) Panel | |
| | | | | | | | R4U – 0.062" (1.6) Panel | | | |
| | | | | | | | R3U – 0.047" (1.2) Panel | | | |
| | | | | | | | R2U – 0.031" (0.8) Panel | | | |
| | Sample Part Number | | | | | | | | | |
| | 240-034 | – 2 | – 37 | S | P | E | PU | – .080 | | |



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DIMENSIONS

| Layout | A Max. | | B | | C Max. | | D Max. | | E Max. | | F | | G Max. | | C Filter | | | | Pi Filter | | | |
|------------|--------|-------|------------|------------|--------|-------|--------|------|--------|------|------------|------------|--------|-------|------------|------------|------------|------------|------------|------------|------------|------------|
| | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. |
| | | | \pm .003 | \pm 0.08 | | | | | | | \pm .004 | \pm 0.10 | | | \pm .010 | \pm 0.25 | \pm .010 | \pm 0.25 | \pm .010 | \pm 0.25 | \pm .010 | \pm 0.25 |
| 9P | .785 | 19.94 | .565 | 14.35 | .333 | 8.46 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .420 | 10.67 | .440 | 11.18 | .460 | 11.68 | .740 | 18.80 | .760 | 19.30 |
| 9S | .785 | 19.94 | .565 | 14.35 | .400 | 10.16 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .420 | 10.67 | .440 | 11.18 | .460 | 11.68 | .740 | 18.80 | .760 | 19.30 |
| 15P | .935 | 23.75 | .715 | 18.16 | .483 | 12.27 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .420 | 10.67 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |
| 15S | .935 | 23.75 | .715 | 18.16 | .551 | 14.00 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .420 | 10.67 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |
| 21P | 1.085 | 27.56 | .865 | 21.97 | .633 | 16.08 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .420 | 10.67 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |
| 21S | 1.085 | 27.56 | .865 | 21.97 | .701 | 17.81 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .420 | 10.67 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |
| 25P | 1.185 | 30.01 | .965 | 24.51 | .733 | 18.62 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .420 | 10.67 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |
| 25S | 1.185 | 30.01 | .965 | 24.51 | .801 | 20.35 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .420 | 10.67 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |
| 31P | 1.335 | 33.91 | 1.115 | 28.32 | .883 | 22.43 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .520 | 13.21 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |
| 31S | 1.335 | 33.91 | 1.115 | 28.32 | .951 | 24.16 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .520 | 13.21 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |
| 37P | 1.485 | 37.72 | 1.265 | 32.13 | 1.033 | 26.24 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .520 | 13.21 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |
| 37S | 1.485 | 37.72 | 1.265 | 32.13 | 1.101 | 27.96 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .520 | 13.21 | .340 | 8.64 | .460 | 11.68 | .640 | 16.26 | .760 | 19.30 |

Micro-D Filter Connectors Right Angle Printed Circuit Board

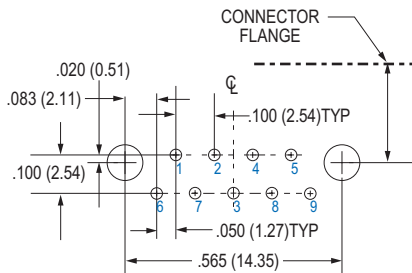


MICRO-D FILTER RIGHT ANGLE PCB LAYOUTS— PIN CONNECTOR

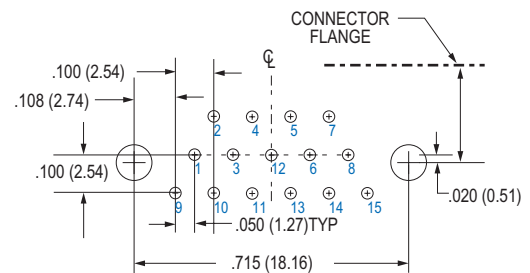
PC Tail Diameter $.018 \pm .002$ (0.46 ± 0.05)

Contact numbers shown are for pin connectors.

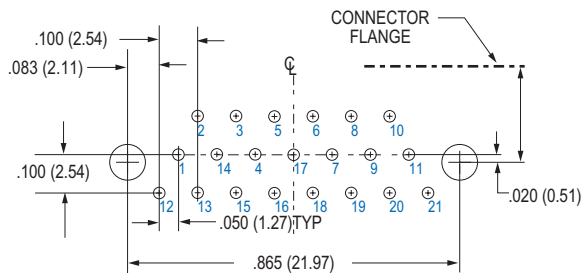
Patterns shown are for connector mounting side of PC board.



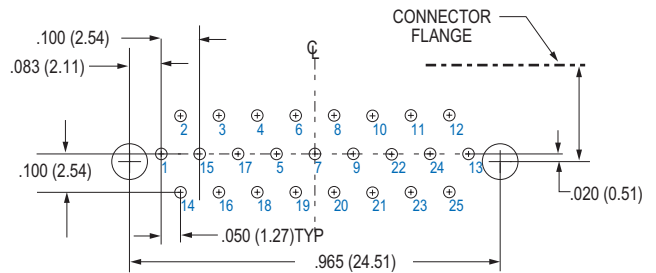
9 Contacts



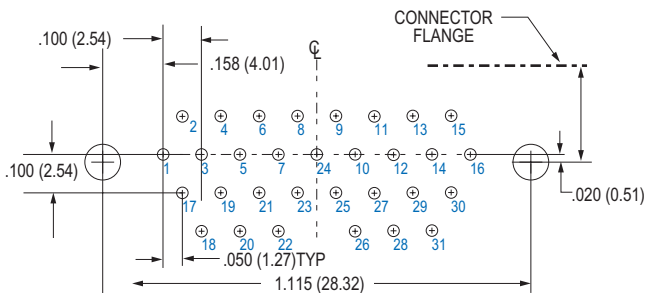
15 Contacts



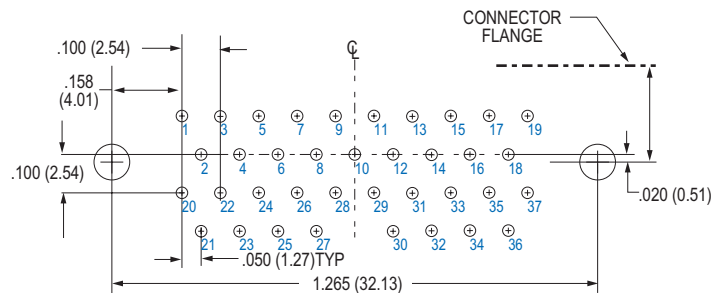
21 Contacts



25 Contacts



31 Contacts



37 Contacts

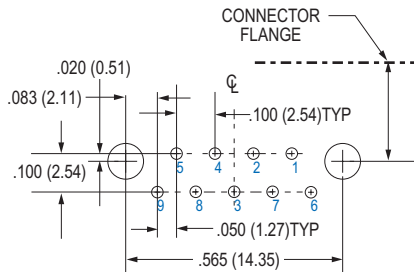
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MICRO-D FILTER RIGHT ANGLE PCB LAYOUTS— SOCKET CONNECTOR

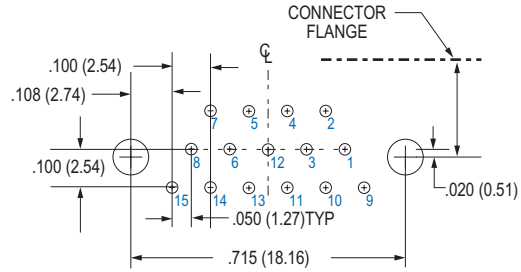
PC Tail Diameter $.018 \pm .002$ (0.46 ± 0.05)

Contact numbers shown are for socket connectors.

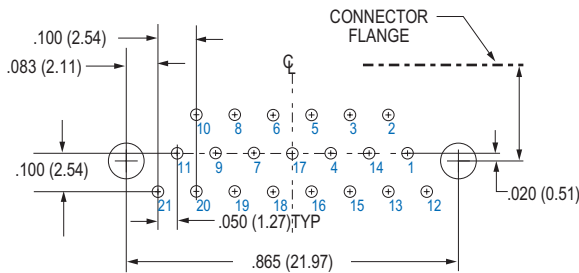
Patterns shown are for connector mounting side of PC board.



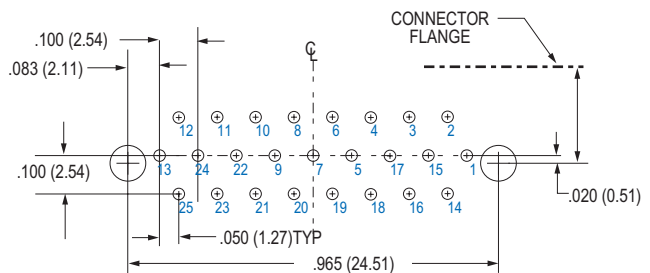
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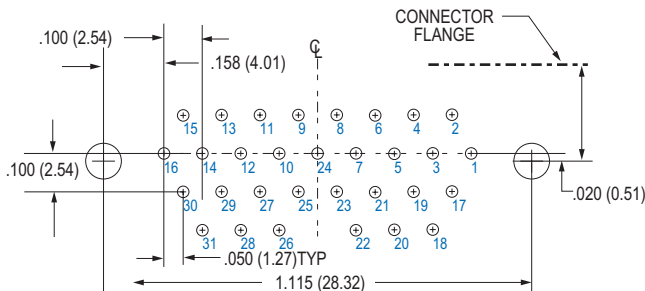
15 Contacts



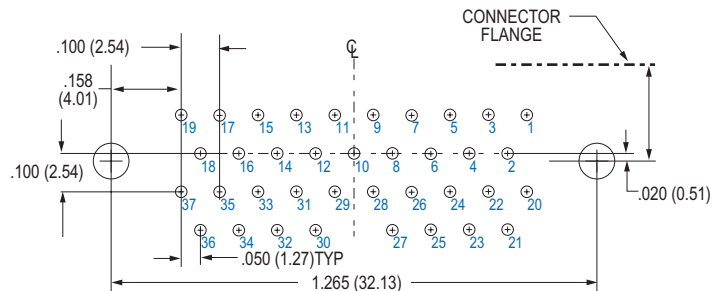
21 Contacts



25 Contacts



31 Contacts



37 Contacts