



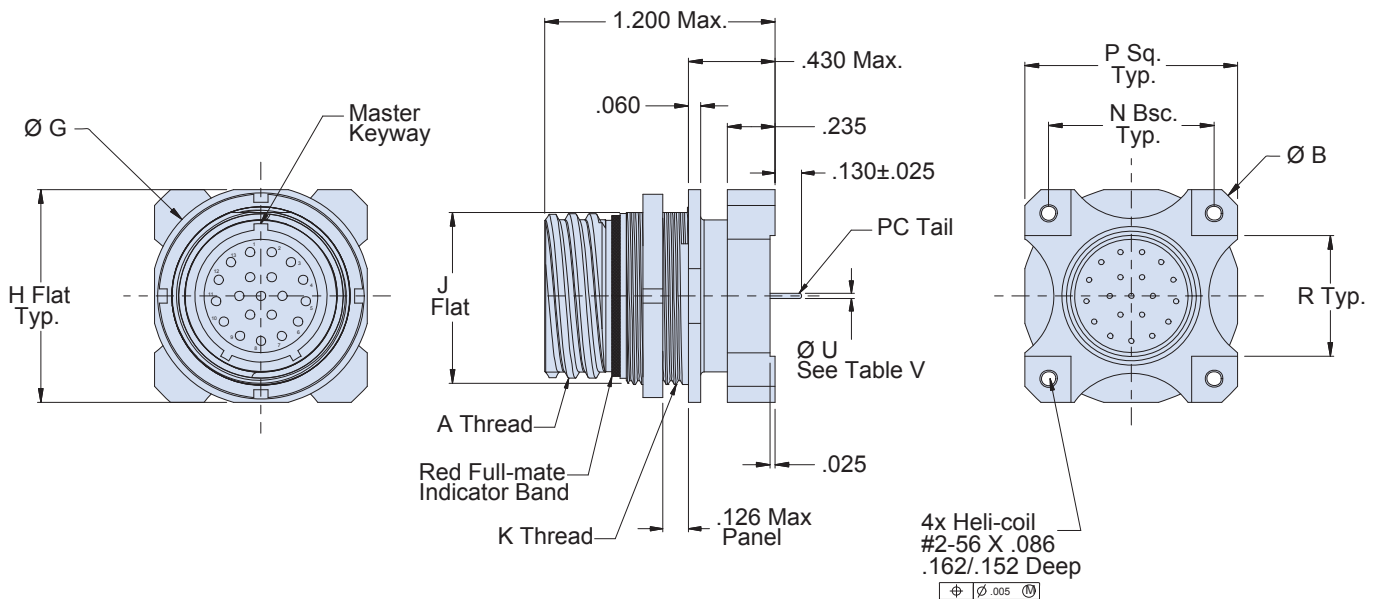
240-801-18

# Series 801 Mighty Mouse Filter Connector

## High Density, Quick Coupling Threads

### MIGHTY MOUSE FILTER CONNECTOR, DUAL-FLANGE JAM NUT RECEPTACLE

| How To Order           |                                                              |    |   |     |   |   |   |   |   |
|------------------------|--------------------------------------------------------------|----|---|-----|---|---|---|---|---|
| Sample Part Number     | 240-801-                                                     | 18 | M | 6-7 | P | P | P | A | A |
| Filter Connector       | Series 801 Mighty Mouse                                      |    |   |     |   |   |   |   |   |
| Shell Style            | 18 = Jam Nut receptacle with PCB contacts                    |    |   |     |   |   |   |   |   |
| Shell Material/Finish  | See Table I                                                  |    |   |     |   |   |   |   |   |
| Insert Arrangement     | See pages C-3 – C-7                                          |    |   |     |   |   |   |   |   |
| Contact Gender         | P = Pin S = Socket                                           |    |   |     |   |   |   |   |   |
| Termination Type       | P = PC Tail                                                  |    |   |     |   |   |   |   |   |
| Filter Type            | P = Pi Circuit C = C Circuit (See Note 1)                    |    |   |     |   |   |   |   |   |
| Capacitance            | See Table II                                                 |    |   |     |   |   |   |   |   |
| Alternate Key Position | A, B, C, D, E, F, U A = Normal, U = Universal (See page C-2) |    |   |     |   |   |   |   |   |



### Notes

- Other filter styles (C-L, L-C, Unbalanced Pi, Multi-Stage, Multi-Value) are available, please consult the factory.

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

**240-801-18**  
**Series 801 Mighty Mouse Filter Connector**  
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Mighty Mouse

**Table I: Connector Class**

| Sym | Material        | Finish Description                                  |
|-----|-----------------|-----------------------------------------------------|
| M   | Aluminum        | Electroless Nickel                                  |
| MT  |                 | Ni-PTFE 1000 Hour Grey™ Nickel Fluorocarbon Polymer |
| NF  |                 | Cadmium, Olive Drab over Electroless Nickel         |
| ZN  |                 | Zinc-Nickel, Olive Drab                             |
| ZR  |                 | Zinc-Nickel, Black - RoHS                           |
| ZL  | Stainless Steel | Electro-Deposited Nickel                            |

**Table II: Capacitor Array Code Capacitance Range**

| Class | Pi - Circuit (pF) | C - Circuit (pF) |
|-------|-------------------|------------------|
| A     | 38,000 - 56,000   | 19,000 - 28,000  |
| B     | 32,000 - 45,000   | 16,000 - 22,500  |
| C     | 18,000 - 33,000   | 9,000 - 16,500   |
| D     | 8,000 - 12,000    | 4,000 - 6,000    |
| E     | 3,300 - 5,000     | 1,650 - 2,500    |
| F     | 800 - 1,300       | 400 - 650        |
| G     | 400 - 600         | 200 - 300        |
| J     | 70 - 120          | 35 - 60          |

**Table V:  
PC Tail Dia**

| Contact Size | Ø U         |
|--------------|-------------|
| 23           | .022 (0.56) |
|              | .018 (0.46) |
| 20           | .028 (0.71) |
|              | .024 (0.61) |
| 16           | .042 (1.07) |
|              | .038 (0.97) |
| 12           | .096 (2.44) |
|              | .092 (2.34) |

**Table III: Dimensions**

| Shell Size | A Thread             | B Dia        | G Dia        | H Flat       | J Flat       | K Thread         | N Bsc        | P Sq         | R            |
|------------|----------------------|--------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
| 5          | .3125-.05P-.1L-DS-2A | .720 (18.3)  | .575 (14.6)  | .545 (13.8)  | .350 (8.9)   | .3750-28 UN-2A   | .363 (9.2)   | .530 (13.5)  | .143 (3.6)   |
| 6          | .3750-.05P-.1L-DS-2A | .800 (20.3)  | .635 (16.1)  | .595 (15.1)  | .410 (10.4)  | .4375-28 UNEF-2A | .423 (10.7)  | .590 (15.0)  | .203 (5.2)   |
| 7          | .4375-.05P-.1L-DS-2A | .900 (22.9)  | .755 (19.2)  | .723 (18.4)  | .536 (13.6)  | .5625-32 UN-2A   | .483 (12.3)  | .650 (16.5)  | .263 (6.7)   |
| 8          | .5000-.05P-.1L-DS-2A | .980 (24.9)  | .755 (19.2)  | .723 (18.4)  | .536 (13.6)  | .5625-32 UN-2A   | .545 (13.8)  | .712 (18.1)  | .325 (8.3)   |
| 9          | .5625-.05P-.1L-DS-2A | 1.080 (27.4) | .830 (21.1)  | .790 (20.1)  | .596 (15.1)  | .6250-28 UN-2A   | .607 (15.4)  | .850 (21.6)  | .387 (9.8)   |
| 10         | .6250-.05P-.1L-DS-2A | 1.160 (29.5) | .890 (22.6)  | .855 (21.7)  | .658 (16.7)  | .6875-28 UN-2A   | .670 (17.0)  | .890 (22.6)  | .450 (11.4)  |
| 11         | .6875-.05P-.1L-DS-2A | 1.220 (31.0) | .960 (24.4)  | .925 (23.5)  | .718 (18.2)  | .750-28 UN-2A    | .715 (18.2)  | .935 (23.7)  | .495 (12.6)  |
| 13         | .8125-.1P-.2L-DS-2A  | 1.370 (34.8) | 1.078 (27.4) | 1.044 (26.5) | .845 (21.5)  | .875-28 UN-2A    | .812 (20.6)  | 1.030 (26.2) | .592 (15.0)  |
| 16         | 1.000-.1P-.2L-DS-2A  | 1.620 (41.1) | 1.264 (32.1) | 1.230 (31.2) | 1.022 (26.0) | 1.0625-20 UN-2A  | .981 (24.9)  | 1.219 (31.0) | .761 (19.3)  |
| 17         | 1.062-.1P-.2L-DS-2A  | 1.720 (43.7) | 1.325 (33.7) | 1.290 (32.8) | 1.096 (27.8) | 1.125-28 UN-2A   | 1.060 (26.9) | 1.280 (32.5) | .840 (21.3)  |
| 19         | 1.1875-.1P-.2L-DS-2A | 1.920 (48.8) | 1.450 (36.8) | 1.415 (35.9) | 1.225 (31.1) | 1.250-28 UN-2A   | 1.191 (30.3) | 1.432 (36.4) | .971 (24.7)  |
| 21         | 1.3125-.1P-.2L-DS-2A | 2.100 (53.3) | 1.625 (41.3) | 1.577 (40.1) | 1.345 (34.2) | 1.375-28 UN-2A   | 1.322 (33.6) | 1.565 (39.8) | 1.102 (28.0) |

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EMI/EMP Filter Connectors

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