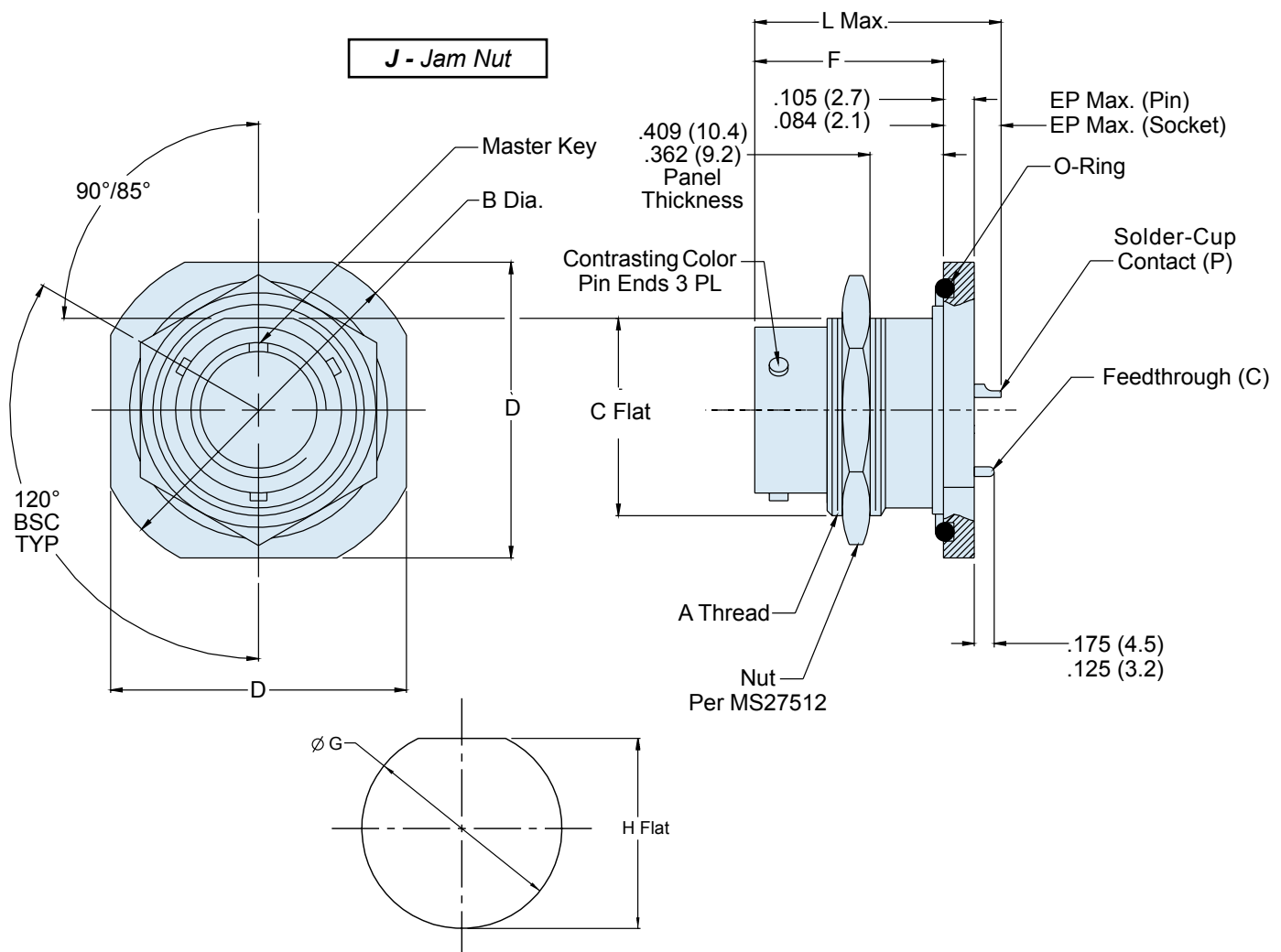
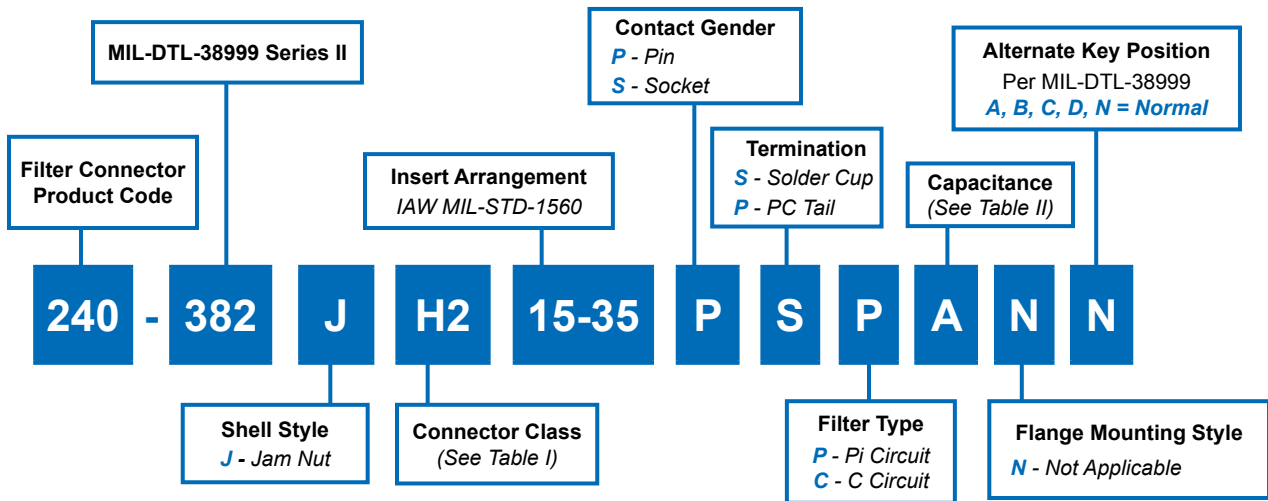


# 240-382J (Hermetic Version Shown) MIL-DTL-38999 Series II Filter Connector Jam Nut Receptacle



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EMI/EMP  
Filters

**TABLE I: CONNECTOR CLASS**

| SYM | CLASS         | MATERIAL        | FINISH DESCRIPTION                                     |
|-----|---------------|-----------------|--------------------------------------------------------|
| M   | Environmental | Aluminum        | Electroless Nickel                                     |
| MT  | Environmental | Aluminum        | Ni-PTFE 1000 Hour Grey™<br>Nickel Fluorocarbon Polymer |
| NF  | Environmental | Aluminum        | Cadmium O.D. Over Electroless Nickel                   |
| P   | Environmental | Stainless Steel | Electro-Deposited Nickel                               |
| ZN  | Environmental | Aluminum        | Zinc-Nickel Over Electroless Nickel                    |
| H2  | Hermetic      | Stainless Steel | Electroless Nickel                                     |

**TABLE II: CAPACITOR ARRAY CODE  
CAPACITANCE RANGE**

| CLASS | PI - CIRCUIT (pF) | C - CIRCUIT (pF) |
|-------|-------------------|------------------|
| X*    | 160,000 - 240,000 | 80,000 - 120,000 |
| Y*    | 80,000 - 120,000  | 40,000 - 60,000  |
| Z*    | 60,000 - 90,000   | 30,000 - 45,000  |
| 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        |

*Consult Factory  
for Additional  
Filter Types,  
TVS Diodes,  
and other  
Custom Filter  
Connector  
Configurations.*

**PANEL IV: JAM-NUT  
PANEL CUT-OUTS**

| SHELL<br>SIZE | Ø G                          | H Flat                       |
|---------------|------------------------------|------------------------------|
| 08            | .894 (22.7)<br>.884 (22.5)   | .833 (21.2)<br>.823 (20.9)   |
| 10            | 1.020 (25.9)<br>1.010 (25.7) | .957 (24.3)<br>.947 (24.1)   |
| 12            | 1.144 (29.1)<br>1.134 (28.8) | 1.081 (27.5)<br>1.071 (27.2) |
| 14            | 1.269 (32.2)<br>1.259 (32.0) | 1.206 (30.6)<br>1.196 (30.4) |
| 16            | 1.394 (35.4)<br>1.384 (35.2) | 1.336 (33.9)<br>1.326 (33.7) |
| 18            | 1.520 (38.6)<br>1.510 (38.4) | 1.456 (37.0)<br>1.446 (36.7) |
| 20            | 1.645 (41.8)<br>1.635 (41.5) | 1.581 (40.2)<br>1.571 (39.9) |
| 22            | 1.750 (44.5)<br>1.740 (44.2) | 1.706 (43.3)<br>1.696 (43.1) |
| 24            | 1.895 (48.1)<br>1.885 (47.9) | 1.831 (46.5)<br>1.821 (46.3) |

C

\* Reduced DWV – Please consult factory.

**TABLE III**

| SHELL<br>SIZE | A THREAD<br>.1P- .03L-TS | B DIA.                       | C FLAT                       | D A/F                        | EP MAX.    | ES MAX.    | F                          | G DIA.                       | H                            | L MAX.          |
|---------------|--------------------------|------------------------------|------------------------------|------------------------------|------------|------------|----------------------------|------------------------------|------------------------------|-----------------|
| 08            | .875-20 UNEF             | 1.391 (35.3)<br>1.359 (34.5) | .818 (20.8)<br>.811 (20.6)   | 1.266 (32.2)<br>1.234 (31.3) | .281 (7.1) | .359 (9.1) | .743 (18.9)<br>.733 (18.6) | .894 (22.7)<br>.884 (22.5)   | .833 (21.2)<br>.823 (20.9)   | 1.024<br>(26.0) |
| 10            | 1.000-20 UNEF            | 1.516 (38.5)<br>1.484 (37.7) | .942 (23.9)<br>.935 (23.7)   | 1.391 (35.3)<br>1.359 (34.5) | .281 (7.1) | .359 (9.1) | .743 (18.9)<br>.733 (18.6) | 1.020 (25.9)<br>1.010 (25.7) | .957 (24.3)<br>.947 (24.1)   | 1.024<br>(26.0) |
| 12            | 1.125-18 UNEF            | 1.641 (41.7)<br>1.609 (40.9) | 1.066 (27.1)<br>1.059 (26.9) | 1.516 (38.5)<br>1.484 (37.7) | .281 (7.1) | .359 (9.1) | .743 (18.9)<br>.733 (18.6) | 1.144 (29.1)<br>1.134 (28.8) | 1.081 (27.5)<br>1.071 (27.2) | 1.024<br>(26.0) |
| 14            | 1.250-18 UNEF            | 1.766 (44.9)<br>1.734 (44.0) | 1.191 (30.3)<br>1.184 (30.1) | 1.641 (41.7)<br>1.609 (40.9) | .281 (7.1) | .359 (9.1) | .743 (18.9)<br>.733 (18.6) | 1.269 (32.2)<br>1.259 (32.0) | 1.206 (30.6)<br>1.196 (30.4) | 1.024<br>(26.0) |
| 16            | 1.375-18 UNEF            | 1.954 (49.6)<br>1.922 (48.8) | 1.321 (33.6)<br>1.314 (33.4) | 1.797 (45.6)<br>1.765 (44.8) | .281 (7.1) | .359 (9.1) | .743 (18.9)<br>.733 (18.6) | 1.394 (35.4)<br>1.384 (35.2) | 1.336 (33.9)<br>1.326 (33.7) | 1.024<br>(26.0) |
| 18            | 1.500-18 UNEF            | 2.032 (51.6)<br>2.000 (50.8) | 1.441 (36.6)<br>1.434 (36.4) | 1.906 (48.4)<br>1.874 (47.6) | .281 (7.1) | .359 (9.1) | .743 (18.9)<br>.733 (18.6) | 1.520 (38.6)<br>1.510 (38.4) | 1.456 (37.0)<br>1.446 (36.7) | 1.024<br>(26.0) |
| 20            | 1.625-18 UNEF            | 2.157 (54.8)<br>2.125 (54.0) | 1.566 (39.8)<br>1.559 (39.6) | 2.032 (51.6)<br>2.000 (50.8) | .250 (6.4) | .344 (8.7) | .769 (19.5)<br>.759 (19.3) | 1.645 (41.8)<br>1.635 (41.5) | 1.581 (40.2)<br>1.571 (39.9) | 1.019<br>(25.9) |
| 22            | 1.750-18 UNS             | 2.281 (57.9)<br>2.249 (57.1) | 1.691 (43.0)<br>1.684 (42.8) | 2.156 (54.8)<br>2.124 (53.9) | .250 (6.4) | .344 (8.7) | .769 (19.5)<br>.759 (19.3) | 1.750 (44.5)<br>1.740 (44.2) | 1.706 (43.3)<br>1.696 (43.1) | 1.019<br>(25.9) |
| 24            | 1.875-16 UN              | 2.406 (61.1)<br>2.374 (60.3) | 1.816 (46.1)<br>1.809 (45.9) | 2.281 (57.9)<br>2.249 (57.1) | .250 (6.4) | .344 (8.7) | .769 (19.5)<br>.759 (19.3) | 1.895 (48.1)<br>1.885 (47.9) | 1.831 (46.5)<br>1.821 (46.3) | 1.019<br>(25.9) |

\*Some dimensions do not apply. Consult factory