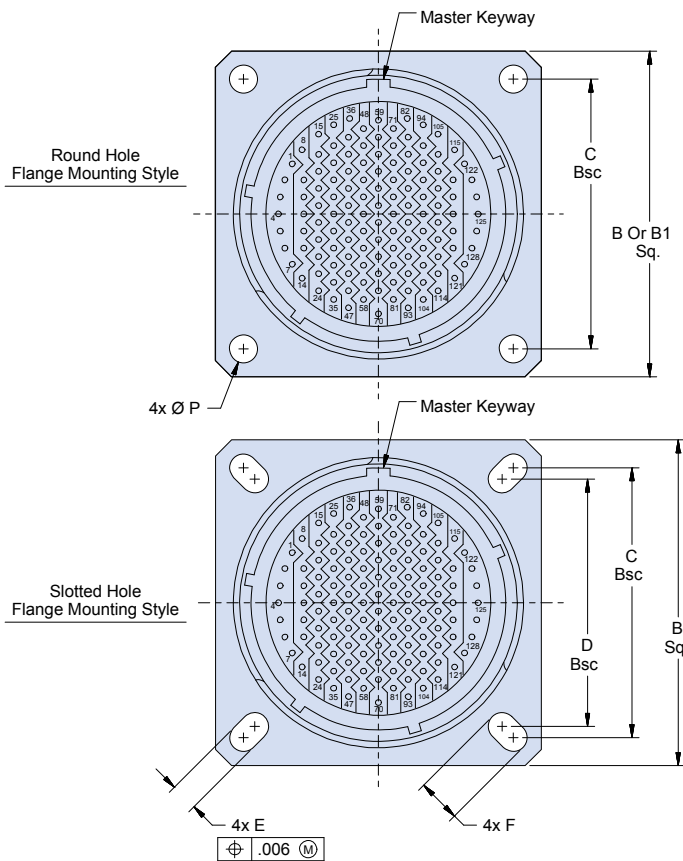


**SUPERNINE EMI/RFI FILTER WALL MOUNT RECEPTACLE WITH CRIMP REMOVABLE CONTACTS**

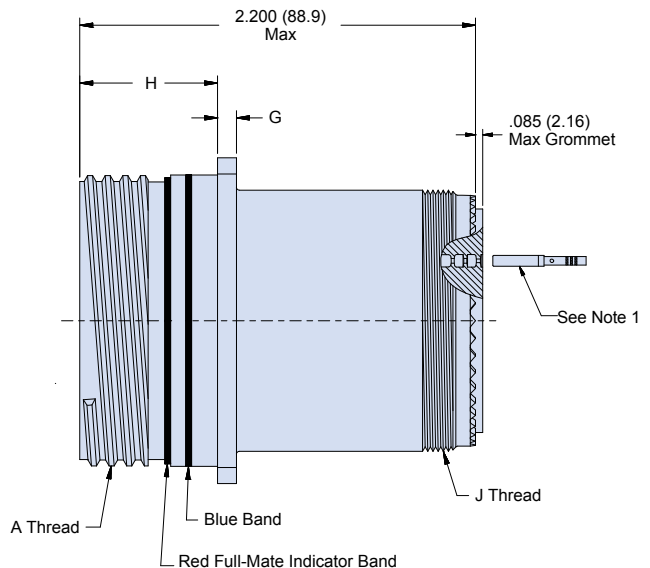
| Part Number Development |  |   |    |       |   |   |   |   |   |   |
|-------------------------|--|---|----|-------|---|---|---|---|---|---|
| Sample Part Number      | 240-383  | R | ME | 15-35 | P | C | P | A | C | N |
| Filter Connector        | MIL-DTL-38999 Series III Type  |   |    |       |   |   |   |   |   |   |
| Shell Style             | R = Wall Mount with Crimp Contacts   |   |    |       |   |   |   |   |   |   |
| Connector Class         | See Connector Class Table  |   |    |       |   |   |   |   |   |   |
| Insert Arrangement*     | IAW MIL-STD-1560.  |   |    |       |   |   |   |   |   |   |
| Contact Gender          | P = Pin S = Socket   |   |    |       |   |   |   |   |   |   |
| Termination             | C = Crimp  |   |    |       |   |   |   |   |   |   |
| Filter Type             | P = Pi Circuit C = C Circuit (See Note 2)  |   |    |       |   |   |   |   |   |   |
| Capacitance             | See Capacitor Array Code Table   |   |    |       |   |   |   |   |   |   |
| Flange Mounting Style   | H = Round Holes C = Clinch Nuts (4-40 UNC) <sup>†</sup> M = Metric Clinch Nuts (M3) <sup>†</sup> S = Slotted Holes |   |    |       |   |   |   |   |   |   |
| Alternate Key Position* | A, B, C, D, E, N = Normal  |   |    |       |   |   |   |   |   |   |

\*Refer to Section A for complete details



**NOTES**

1. Crimp removable contacts to conform to MIL-C-39029/57-358, Size 16, MIL-C-39029/57-357 Size 20, and MIL-C-39029/57-354 Size 22D (Supplied loose).
2. Other filter styles (C-L, L-C, Unbalanced Pi, Multi-Stage, Multi-Value) are available, please consult the factory.
3. Helicoil and threaded inserts/specials available upon request.



# SuperNine® EMI/RFI filter

## MIL-DTL-38999 Series III Type connectors

### 240-383R Wall mount receptacle with crimp contacts



FILTERED CONNECTORS

| Connector Class |               |                 |   |
|-----------------|---------------|-----------------|---|
| Sym             | Class         | Material        | Finish Description                                  |
| ME              | Environmental | Aluminum        | Electroless Nickel                                  |
| MT              | Environmental | Aluminum        | Ni-PTFE 1000 Hour Grey™ Nickel Fluorocarbon Polymer |
| NF              | Environmental | Aluminum        | Cadmium O.D. Over Electroless Nickel                |
| ZL              | Environmental | Stainless Steel | Electro-Deposited Nickel                            |
| XM†             | Environmental | Composite       | Electroless Nickel                                  |
| XMT†            | Environmental | Composite       | Ni-PTFE 1000 Hour Grey™ Nickel Fluorocarbon Polymer |
| XW†             | Environmental | Composite       | Cadmium O.D. Over Electroless Nickel                |
| ZN              | Environmental | Aluminum        | Zinc-Nickel, Olive Drab                             |
| ZR              | Environmental | Aluminum        | Zinc Nickel, Black - RoHS                           |
| H2*             | Hermetic      | Stainless Steel | Electro-Deposited Nickel                            |

\*Some dimensions do not apply. See drawing 240-383RH2  
 † Clinch nuts and metric clinch nuts not available for composites.

| Dimensions |                      |                              |                    |                       |                     |              |                          |                          |                          |                            |                        |
|------------|----------------------|------------------------------|--------------------|-----------------------|---------------------|--------------|--------------------------|--------------------------|--------------------------|----------------------------|------------------------|
| Shell Size | A Thread             | Thru Hole Flange             |                    | Clinch Nut Flange     | Slotted Hole Flange |              |                          |                          | G                        | H                          | J Thread               |
|            |                      | B Sq.                        | Ø P<br>±.010 (.25) | B1 Sq.<br>±.020 (.51) | C Bsc               | D Bsc        | E                        | F                        |                          |                            |                        |
| 9          | .6250-.1P-.3L-TS-2A  | .949 (24.1)<br>.925 (23.5)   | .128 (3.3)         | 1.019 (25.9)          | .719 (18.3)         | .594 (15.1)  | .136 (3.5)<br>.120 (3.0) | .224 (5.7)<br>.208 (5.3) | .144 (3.7)<br>.083 (2.1) | .820 (20.8)<br>.771 (19.6) | M12 X 1.0-6g<br>0.100R |
| 11         | .7500-.1P-.3L-TS-2A  | 1.043 (26.5)<br>1.019 (25.9) | .128 (3.3)         | 1.112 (28.2)          | .812 (20.6)         | .719 (18.3)  | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .144 (3.7)<br>.083 (2.1) | .820 (20.8)<br>.771 (19.6) | M15 X 1.0-6g<br>0.100R |
| 13         | .8750-.1P-.3L-TS-2A  | 1.138 (28.9)<br>1.114 (28.3) | .128 (3.3)         | 1.206 (30.6)          | .906 (23.0)         | .812 (20.6)  | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .144 (3.7)<br>.083 (2.1) | .820 (20.8)<br>.771 (19.6) | M18 X 1.0-6g<br>0.100R |
| 15         | 1.0000-.1P-.3L-TS-2A | 1.232 (31.3)<br>1.208 (30.7) | .128 (3.3)         | 1.269 (32.2)          | .969 (24.6)         | .906 (23.0)  | .136 (3.5)<br>.120 (3.0) | .181 (4.6)<br>.165 (4.2) | .144 (3.7)<br>.083 (2.1) | .820 (20.8)<br>.771 (19.6) | M22 X 1.0-6g<br>0.100R |
| 17         | 1.1875-.1P-.3L-TS-2A | 1.323 (33.6)<br>1.299 (33.0) | .128 (3.3)         | 1.362 (34.6)          | 1.062 (27.0)        | .969 (24.6)  | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .144 (3.7)<br>.083 (2.1) | .820 (20.8)<br>.771 (19.6) | M25 X 1.0-6g<br>0.100R |
| 19         | 1.2500-.1P-.3L-TS-2A | 1.449 (36.8)<br>1.425 (36.2) | .128 (3.3)         | 1.456 (37.0)          | 1.156 (29.4)        | 1.062 (27.0) | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .144 (3.7)<br>.083 (2.1) | .820 (20.8)<br>.771 (19.6) | M28 X 1.0-6g<br>0.100R |
| 21         | 1.3750-.1P-.3L-TS-2A | 1.575 (40.0)<br>1.551 (39.4) | .128 (3.3)         | 1.562 (39.7)          | 1.250 (31.8)        | 1.156 (29.4) | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .171 (4.3)<br>.083 (2.1) | .790 (20.1)<br>.741 (18.8) | M31 X 1.0-6g<br>0.100R |
| 23         | 1.5000-.1P-.3L-TS-2A | 1.701 (43.2)<br>1.677 (42.6) | .156 (4.0)         | 1.719 (43.7)          | 1.375 (34.9)        | 1.250 (31.8) | .162 (4.1)<br>.146 (3.7) | .250 (6.4)<br>.234 (5.9) | .171 (4.3)<br>.083 (2.1) | .790 (20.1)<br>.741 (18.8) | M34 X 1.0-6g<br>0.100R |
| 25         | 1.6250-.1P-.3L-TS-2A | 1.823 (46.3)<br>1.799 (45.7) | .156 (4.0)         | 1.844 (46.8)          | 1.500 (38.1)        | 1.375 (34.9) | .162 (4.1)<br>.146 (3.7) | .250 (6.4)<br>.234 (5.9) | .171 (4.3)<br>.083 (2.1) | .790 (20.1)<br>.741 (18.8) | M37 X 1.0-6g<br>0.100R |

| 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        |
| J                                      | 70-120            | 35-60            |

\* Filter Classes X, Y and Z are 250 VDC. All others are 500 VDC

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