

### APPLICATION NOTES

- Materials/Finishes:  
Shells - See Table II  
Insulators - High grade thermoplastic/N.A.  
Seals - Fluorosilicone/N.A.  
Contacts - Copper Alloy/Gold Plated
- EMI Circular Filter Connector designed to meet MIL-DTL-5015
- Assembly to be identified with date code, cage code, Glenair P/N, and serial number
- Electrical Performance:  
A - Capacitance - See Table III  
B - I.R. 5000 Megohms min at 200 VDC  
C - D.W.V. 500 VDC with 100 micro amps max leakage
- Shell style WT shown
- Metric dimensions (mm) are indicated in parentheses

# 240-515-W Wall Mount Filtered Receptacle Connector (5015, MS3452 Type)



**TABLE I: DIMENSIONS**

| Shell Size | A Thread Class 2A | B ±.031 (0.78) | C SBC        | D +.010 (0.25) - .005 (0.13) | E Dia +.015 (0.38) - .000 (0) | F ±.015 (0.38) | Ø G ±.160 (4.06) |
|------------|-------------------|----------------|--------------|------------------------------|-------------------------------|----------------|------------------|
| 14S        | .875 - 20 UNEF    | 1.188 (30.2)   | .906 (23.0)  | .120 (3.0)                   | .562 (14.3)                   | .083 (2.1)     | .875 (22.2)      |
| 16S        | 1.000 - 20 UNEF   | 1.281 (32.5)   | .969 (24.6)  | .120 (3.0)                   | .562 (14.3)                   | .083 (2.1)     | 1.000 (25.4)     |
| 18         | 1.125 - 18 UNEF   | 1.375 (34.9)   | 1.062 (27.0) | .120 (3.0)                   | .750 (19.1)                   | .125 (3.2)     | 1.062 (27.0)     |
| 20         | 1.250 - 18 UNEF   | 1.500 (38.1)   | 1.156 (29.4) | .120 (3.0)                   | .750 (19.1)                   | .125 (3.2)     | 1.187 (30.1)     |
| 22         | 1.375 - 18 UNEF   | 1.625 (41.3)   | 1.250 (31.8) | .120 (3.0)                   | .750 (19.1)                   | .125 (3.2)     | 1.312 (33.3)     |
| 24         | 1.500 - 18 UNEF   | 1.750 (44.5)   | 1.375 (34.9) | .147 (3.7)                   | .812 (20.6)                   | .125 (3.2)     | 1.437 (36.5)     |
| 32         | 2.000 - 18 UNS    | 2.250 (57.2)   | 1.750 (44.5) | .173 (4.4)                   | .875 (22.2)                   | .125 (3.2)     | 2.000 (50.8)     |
| 36         | 2.250 - 16 UN     | 2.500 (63.5)   | 1.938 (49.2) | .173 (4.4)                   | .875 (22.2)                   | .125 (3.2)     | 2.250 (57.2)     |
| 40         | 2.500 - 16 UN     | 2.750 (69.9)   | 2.188 (55.6) | .173 (4.4)                   | .875 (22.2)                   | .125 (3.2)     | 2.500 (63.5)     |

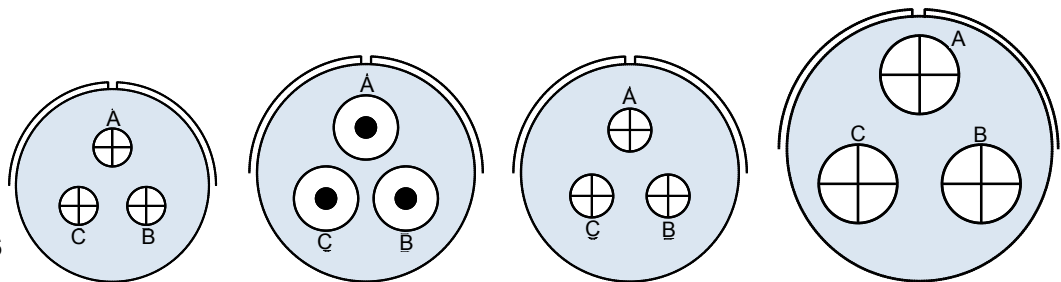
**TABLE III: CAPACITOR ARRAY CODE AND CAPACITANCE RANGE**

| CLASS | C - SECTION (pF) |
|-------|------------------|
| X     | 80,000 - 120,000 |
| Y     | 40,000 - 60,000  |
| Z     | 30,000 - 45,000  |
| A     | 19,000 - 28,000  |
| B     | 16,000 - 22,500  |
| C     | 9,000 - 16,500   |

**TABLE II: SHELL MATERIAL/FINISH**

| Symbol | Material        | Finish Description                         |
|--------|-----------------|--|
| M      | Aluminum        | Electroless Nickel                         |
| NF     |                 | Cadmium Olive Drab Over Electroless Nickel |
| P      | Stainless Steel | Electro-Deposited Nickel                   |

**Example Contact Arrangements**



|                |      |       |      |            |
|----------------|------|-------|------|------------|
| Arrangement    | 20-3 | 20-19 | 22-9 | 36-4       |
| Contact Size   | 12   | 8     | 12   | 0          |
| Service Rating | D    | A     | E    | A=D; B,C=A |

