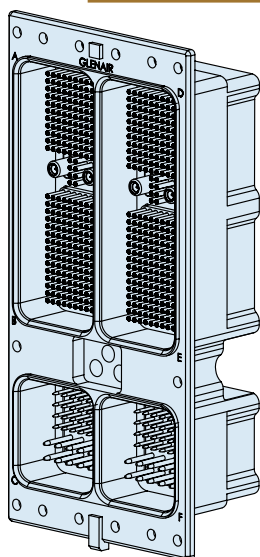
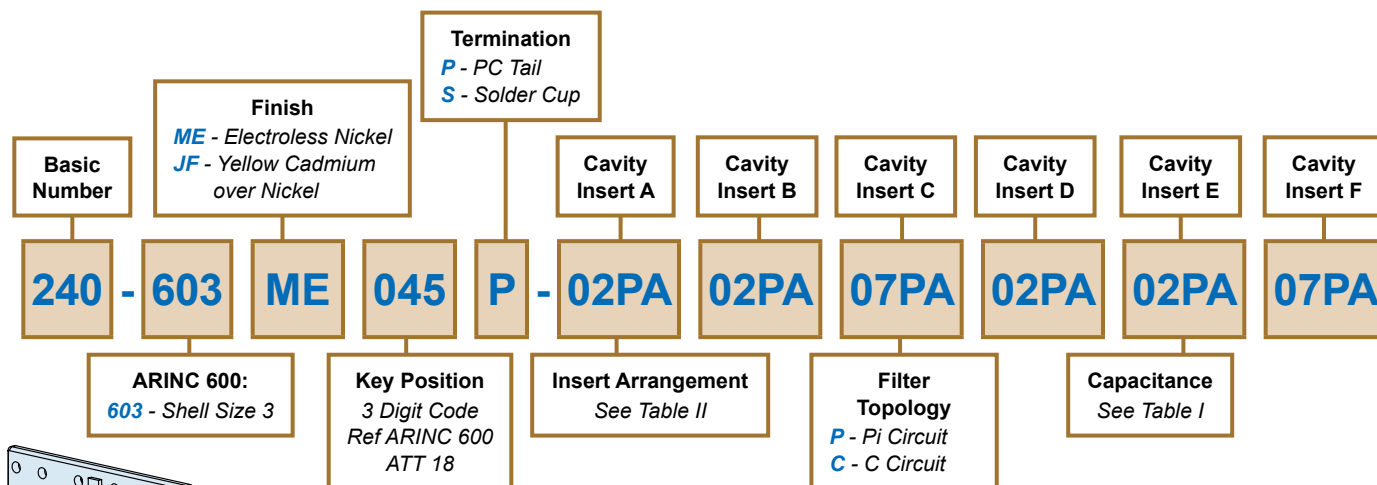
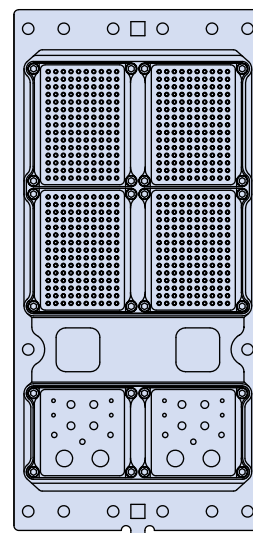
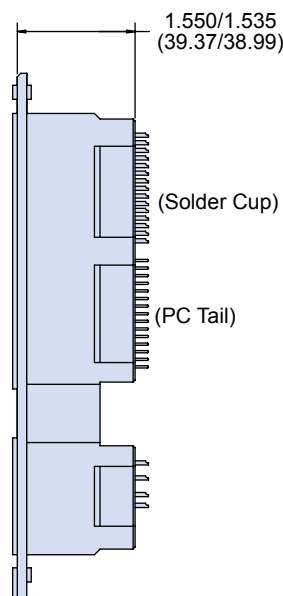
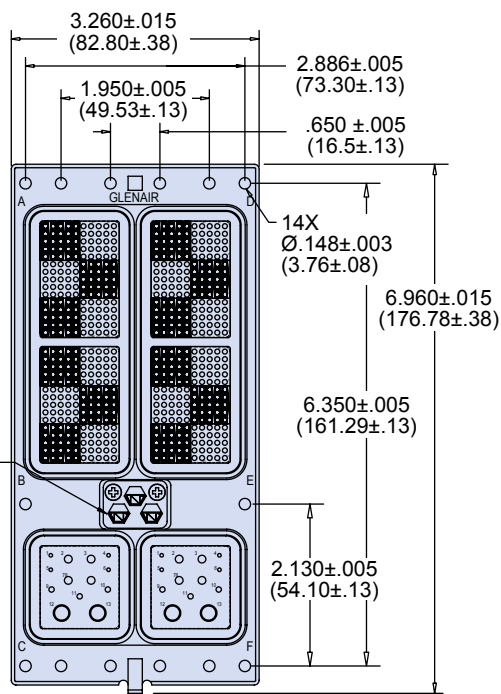




# 240-603 ARINC 600 Size 3 Environmentally Compatible Filter Receptacle



Keys supplied installed (or 00=loose) per ARINC 600 three-digit installation code



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

# 240-603 ARINC 600 Size 3 Environmentally Compatible Filter Receptacle



Table II: Insert Arrangements

|                      |                                                 |                                    |                                        |                                   |                              |                                              |                                       |
|----------------------|-------------------------------------------------|------------------------------------|----------------------------------------|-----------------------------------|------------------------------|----------------------------------------------|---------------------------------------|
|                      |                                                 |                                    |                                        |                                   |                              |                                              |                                       |
| Insert 07<br>100 #22 | Insert 24<br>20 #20<br>4 #8 Twinax              | Insert 16<br>24 #20<br>10 #16      | Insert 13<br>6 #8 Twinax<br>(Grounded) | Insert blank<br>(for cavity C)    | Insert 22<br>50 #16<br>4 #12 | Insert 04<br>2 #5<br>4 #12<br>3 #16<br>4 #20 |                                       |
|                      |                                                 |                                    |                                        |                                   |                              |                                              |                                       |
| Insert 02<br>150 #22 | Insert 15<br>110 #22<br>6 #20<br>5 #12 (Twinax) | Insert 05<br>70 #22<br>1 #5 (Coax) | Insert 08<br>70 #22<br>1 #5 (Coax)     | Insert blank<br>(for cavity A, B) | Insert 17<br>60 #20          | Insert 12<br>10 #8 Twinax<br>(grounded)      | Insert 14<br>118 #22<br>2 #8 (Twinax) |

Table I: 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            |

## Notes

- Glenair ARINC 600 receptacle is designed to mate with COTS ARINC 600 plug IAW ARINC 600 specification with the same insert configuration and opposite gender
- Material/Finish:  
Shell: Aircraft Grade Aluminum  
Insulators: High Grade Rigid Dielectric  
PC Tail and Solder Cup Contacts: Copper Alloy/Gold over Nickel
- Assembly to be permanently identified with (space permitting) Glenair, part number, cavity and contact location, and date code.
- Insert arrangement in accordance with ARINC 600
- EMI filter receptacle connector designed to meet or exceed requirements of MIL-STD-2120 and ARINC 600.
- Electrical Parameters:  
Working Voltage - 200 VDC, 115 VAC 400Hz  
Dielectric Withstanding Voltage (DWV) - 500 VDC  
Insulation Resistance (IR) - 5000 Megohms min at 200 VDC
- Custom filter types available (consult factory).
- Additional mounting features available (consult factory).
- Environmental compatibility features:  
Single piece shell to limit any contaminants or moisture ingress due to post-processing such as solder wash.  
Termination area sealed via o-rings around each module.  
Termination may utilize sealing compound to further aid in environmental compatibility.

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