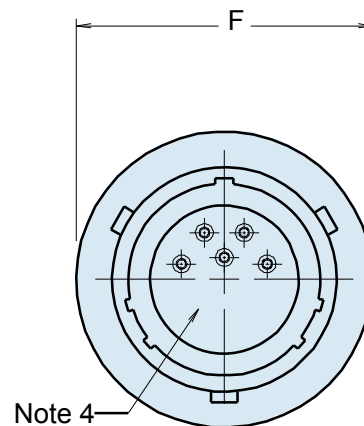
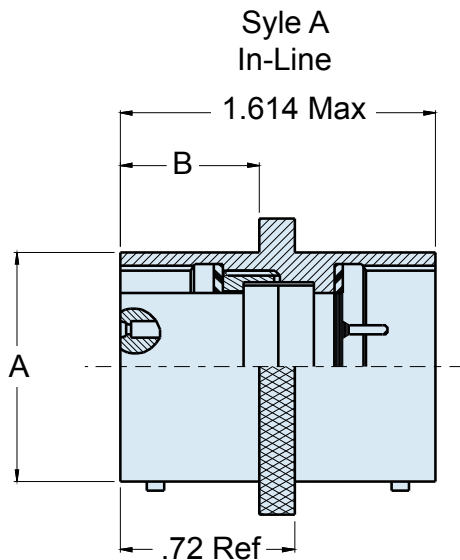
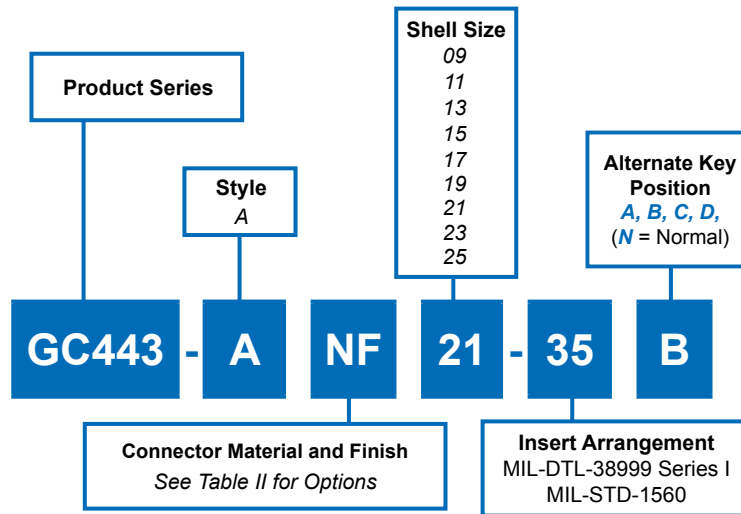




#### APPLICATION NOTES

1. Assembly identified with manufacturer's name and part number, space permitting
  2. Material/finish:  
Shell assembly—Al alloy/see Table II  
Bayonet pins—CRES/passivate
  3. Metric Dimensions (mm) are indicated in parentheses
  4. See MIL-DTL-38999 for Insert Arrangements
- Contacts—copper alloy/gold plate  
Insulators—high-grade rigid dielectric/N.A.  
Interfacial & peripheral seals—silicone/ N.A.

**GC443**  
**In-Line/Flange Mount Receptacle • Plug/Plug**  
**MIL-DTL-38999 Series I Type**



**TABLE II: SHELL FINISHES**

| Plating Code | Material | Finish                                                   |
|--------------|----------|----------------------------------------------------------|
| M            | Aluminum | Electroless Nickel                                       |
| NF           | Aluminum | Cadmium Plate Olive Drab over Electroless Nickel         |
| NC           | Aluminum | Zinc-Cobalt                                              |
| ZN           | Aluminum | Olive Drab Zinc-Nickel                                   |
| MT           | Aluminum | Ni-PTFE 1000 Hour Grey™<br>(Nickel Fluorocarbon Polymer) |

**TABLE I: CONNECTOR DIMENSIONS**

| SHELL SIZE | A DIA MAX   | B DIA MAX  | C +.010-.005 (+0.3-0.1) | D DIM       | E DIM ±.020(0.5) | F DIA MAX   |
|------------|-------------|------------|-------------------------|-------------|------------------|-------------|
| 09         | .573(14.6)  | .632(16.1) | .128(3.3)               | .719(18.3)  | .938(23.8)       | .859(21.8)  |
| 11         | .701(17.8)  | .632(16.1) | .128(3.3)               | .812(20.6)  | 1.031(26.2)      | .984(25.0)  |
| 13         | .851(21.6)  | .632(16.1) | .128(3.3)               | .906(23.0)  | 1.125(28.6)      | 1.156(29.4) |
| 15         | .976(24.8)  | .632(16.1) | .128(3.3)               | .969(24.6)  | 1.219(31.0)      | 1.281(32.5) |
| 17         | 1.101(28.0) | .632(16.1) | .128(3.3)               | 1.062(27.0) | 1.312(33.3)      | 1.406(35.7) |
| 19         | 1.208(30.7) | .632(16.1) | .128(3.3)               | 1.156(29.4) | 1.438(36.5)      | 1.516(38.5) |
| 21         | 1.333(33.9) | .602(15.3) | .147(3.7)               | 1.250(31.8) | 1.562(39.7)      | 1.641(41.7) |
| 23         | 1.458(37.0) | .602(15.3) | .147(3.7)               | 1.375(34.9) | 1.688(42.9)      | 1.766(44.9) |
| 25         | 1.583(40.2) | .602(15.3) | .147(3.7)               | 1.500(38.1) | 1.812(46.0)      | 1.891(48.0) |