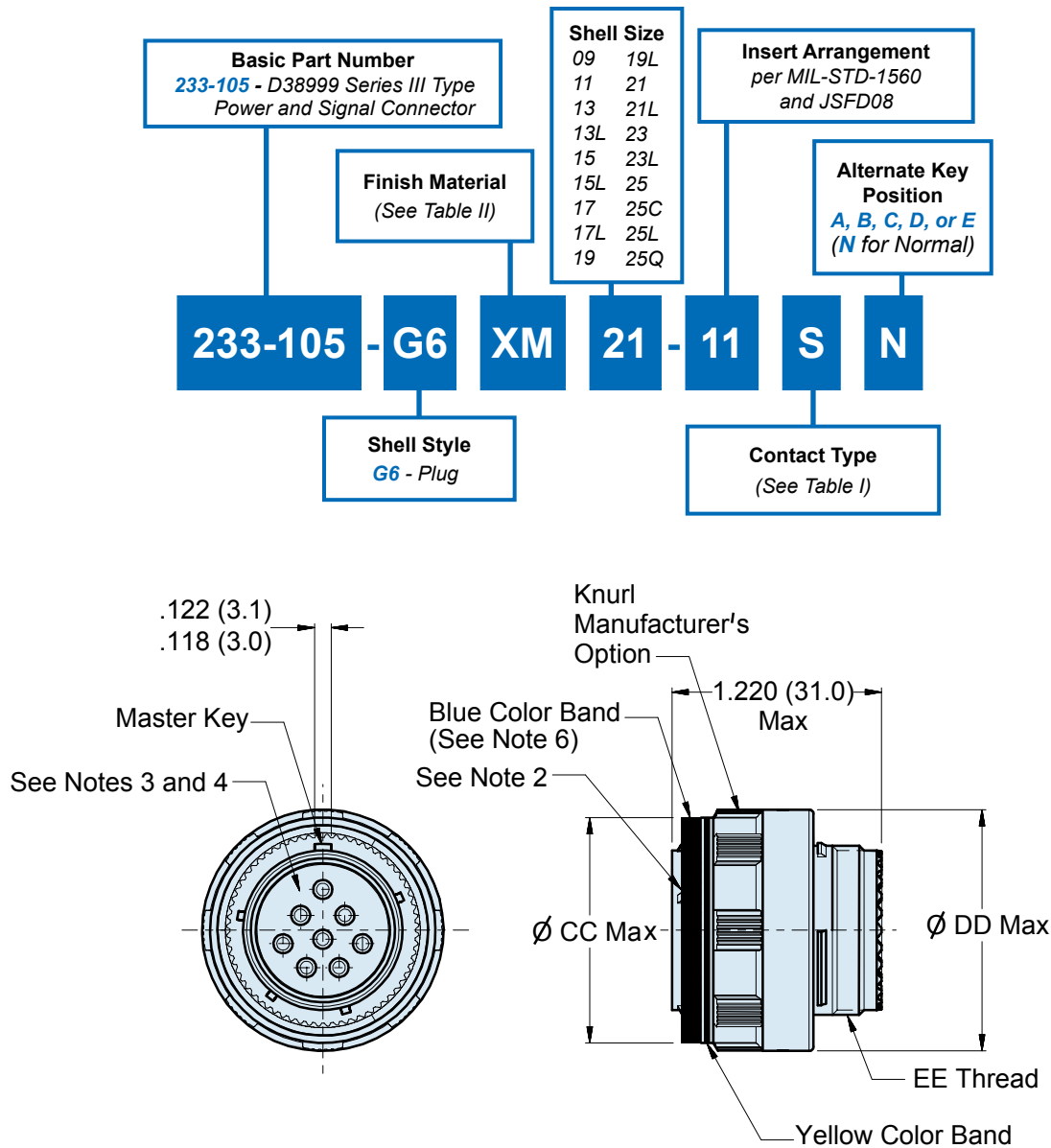


## 233-105-G6 MIL-DTL-38999 Series III Type Environmental Plug Connector



Consult factory for available insert arrangements.

## F

## APPLICATION NOTES

- Material/ Finishes:  
Barrel, Coupling Nut - See Table II  
(Composite Coupling Nut - No Plating Required).  
Insulators- High Grade Rigid Dielectric/ N.A.  
Seals- Fluorosilicone/ N.A.
- Assembly to be identified with Glenair's name, part number and date code space permitting.
- Insert arrangement in accordance with MIL-STD-1560.
- Insert arrangement shown is for reference only.
- Blue Color Band indicates rear release retention system.
- 16# AWG contact arrangements only. See available arrangements opposite page.
- Metric Dimensions (mm) are indicated in parentheses.

**233-105-G6**  
**MIL-DTL-38999 Series III Type**  
**Environmental Plug Connector**



**TABLE I: CONTACT TYPES**

| Ordering Code | Assembly Dash Number | Wire Size | Type   | Military Part Number |
|---------------|----------------------|-----------|--------|----------------------|
| P             | 850-002-16-364       | #16 – #20 | Pin    | M39029/58-364        |
| S             | 850-001-16-352       | #16 – #20 | Socket | M39029/56-352        |
| A             | Less pin contacts    |           |        |                      |
| B             | Less socket contacts |           |        |                      |

**TABLE II: FINISH**

| SYM        | MATERIAL  | FINISH                               |
|------------|-----------|--------------------------------------|
| <b>XM</b>  | Composite | Electroless Nickel                   |
| <b>XMT</b> | Composite | Ni-PTFE 1000 Hour Grey™              |
| <b>XW</b>  | Composite | Cadmium O.D. Over Electroless Nickel |

\*Consult Factory for Additional Plating Options

**TABLE III: SHELL SIZE**

| Shell Size Code | Shell Size | CC Max Dia   | DD Max Dia   | EE Thread           |
|-----------------|------------|--------------|--------------|---------------------|
| A               | 09         | .811 (20.6)  | .858 (21.8)  | M12 x 1.0-6g 0.100R |
| B               | 11         | .929 (23.6)  | .984 (25.0)  | M15 x 1.0-6g 0.100R |
| C               | 13         | 1.110 (28.2) | 1.157 (29.4) | M18 x 1.0-6g 0.100R |
| D               | 15         | 1.232 (31.3) | 1.280 (32.5) | M22 x 1.0-6g 0.100R |
| E               | 17         | 1.358 (34.5) | 1.406 (35.7) | M25 x 1.0-6g 0.100R |
| F               | 19         | 1.469 (37.3) | 1.516 (38.5) | M28 x 1.0-6g 0.100R |
| G               | 21         | 1.594 (40.5) | 1.642 (41.7) | M31 x 1.0-6g 0.100R |
| H               | 23         | 1.720 (43.7) | 1.768 (44.9) | M34 x 1.0-6g 0.100R |
| J               | 25         | 1.843 (46.8) | 1.890 (48.0) | M37 x 1.0-6g 0.100R |

