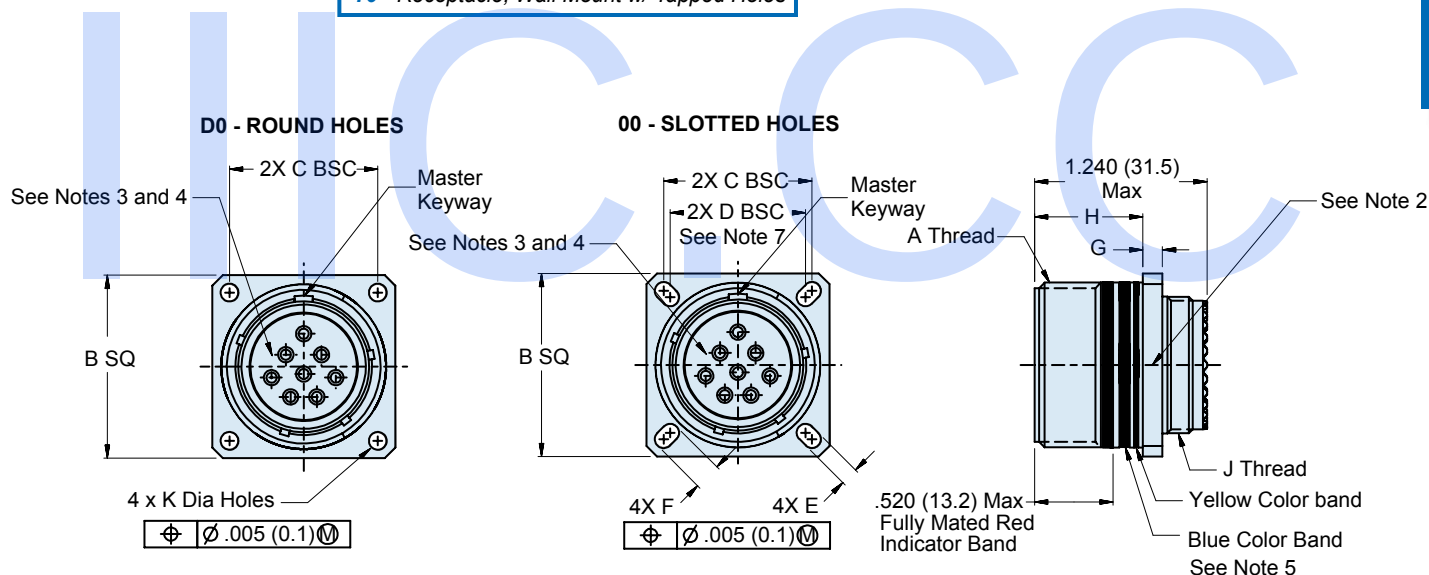
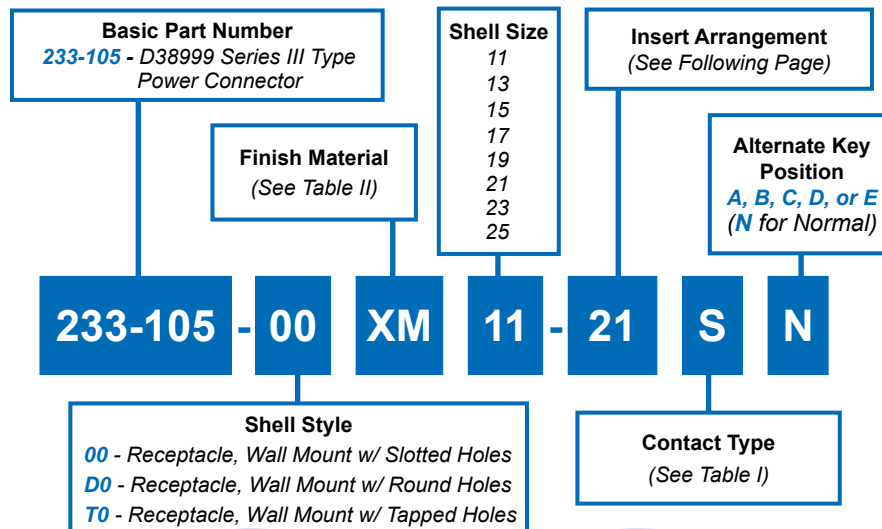


**233-105-00, D0 and T0**  
**MIL-DTL-38999 Series III Type**  
**Wall Mount Environmental Receptacle Connector**



Consult factory for available insert arrangements.

**APPLICATION NOTES**

- Material/ Finishes:  
 Shells, Jam Nut - See Table II  
 (Composite Jam Nut & 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 in parentheses.



# 233-105-00, D0 and T0 MIL-DTL-38999 Series III Type Wall Mount Environmental Receptacle 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        |
| PC            | 852-008-16-424       | RG174, RG316, RG179 | Pin    | M39029/76-424        |
| SC            | 852-009-16-428       | RG174, RG316, RG179 | Socket | M39029/77-428        |

TABLE II: FINISH

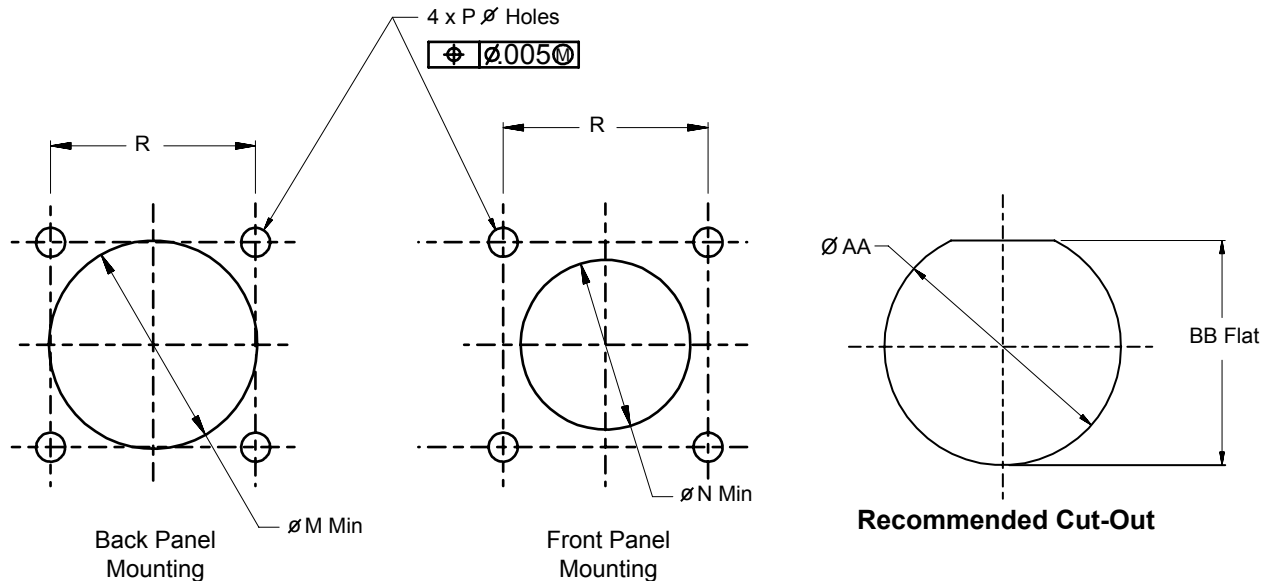
| SYM        | MATERIAL        | FINISH                               |
|------------|-----------------|--------------------------------------|
| <b>M</b>   | Aluminum        | Electroless Nickel                   |
| <b>MT</b>  | Aluminum        | Ni-PTFE 1000 Hour Grey™              |
| <b>NF</b>  | Aluminum        | Cadmium O.D. Over Electroless Nickel |
| <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 |
| <b>Z1</b>  | Stainless Steel | Passivate                            |
| <b>ZL</b>  | Stainless Steel | Electro-Deposited Nickel             |

\*Consult Factory for Additional Plating Options

TABLE III: SHELL SIZE

| Shell Size Code | Shell Size | A Thread             | B SQ                         | C BSC        | G                          | H                          | J Thread            | K Holes Dia              |
|-----------------|------------|----------------------|------------------------------|--------------|----------------------------|----------------------------|---------------------|--------------------------|
| B               | 11         | .7500-.1P-.3L-TS-2A  | 1.043 (26.5)<br>1.019 (25.9) | .812 (20.6)  | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M15 x 1.0-6g 0.100R | .136 (3.5)<br>.120 (3.0) |
| C               | 13         | .8750-.1P-.3L-TS-2A  | 1.138 (28.9)<br>1.114 (28.3) | .906 (23.0)  | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M18 x 1.0-6g 0.100R | .136 (3.5)<br>.120 (3.0) |
| D               | 15         | 1.0000-.1P-.3L-TS-2A | 1.232 (31.3)<br>1.208 (30.7) | .969 (24.6)  | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M22 x 1.0-6g 0.100R | .136 (3.5)<br>.120 (3.0) |
| E               | 17         | 1.1875-.1P-.3L-TS-2A | 1.323 (33.6)<br>1.299 (33.0) | 1.062 (27.0) | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M25 x 1.0-6g 0.100R | .136 (3.5)<br>.120 (3.0) |
| F               | 19         | 1.2500-.1P-.3L-TS-2A | 1.449 (36.8)<br>1.425 (36.2) | 1.156 (29.4) | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M28 x 1.0-6g 0.100R | .136 (3.5)<br>.120 (3.0) |
| G               | 21         | 1.3750-.1P-.3L-TS-2A | 1.575 (40.0)<br>1.551 (39.4) | 1.250 (31.8) | .171 (65.2)<br>.083 (39.8) | .791 (20.0)<br>.736 (18.7) | M31 x 1.0-6g 0.100R | .136 (3.5)<br>.120 (3.0) |
| H               | 23         | 1.5000-.1P-.3L-TS-2A | 1.701 (43.2)<br>1.677 (42.6) | 1.375 (34.9) | .171 (65.2)<br>.083 (39.8) | .791 (20.0)<br>.736 (18.7) | M34 x 1.0-6g 0.100R | .162 (4.1)<br>.146 (3.7) |
| J               | 25         | 1.6250-.1P-.3L-TS-2A | 1.823 (46.3)<br>1.799 (45.7) | 1.500 (38.1) | .171 (65.2)<br>.083 (39.8) | .791 (20.0)<br>.736 (18.7) | M37 x 1.0-6g 0.100R | .162 (4.1)<br>.146 (3.7) |

**233-105-00, D0 and T0**  
**MIL-DTL-38999 Series III Type**  
**Wall Mount Environmental Receptacle Connector**



**Recommended Mounting Holes  
for Wall Mount Receptacle**

| SHELL SIZE      |            |                              |                              |              |              |                          |              |
|-----------------|------------|------------------------------|------------------------------|--------------|--------------|--------------------------|--------------|
| Shell Size Code | Shell Size | AA Dia                       | BB Flat                      | M Ø Min      | N Ø Min      | P Ø Holes                | R BSC        |
| B               | 11         | .835 (21.2)<br>.825 (21.0)   | .771 (19.6)<br>.761 (19.3)   | .796 (20.2)  | .625 (15.9)  | .133 (3.4)<br>.123 (3.1) | .812 (20.6)  |
| C               | 13         | 1.020 (25.9)<br>1.010 (25.7) | .955 (24.3)<br>.945 (24.0)   | .922 (23.4)  | .750 (19.1)  | .133 (3.4)<br>.123 (3.1) | .906 (23.0)  |
| D               | 15         | 1.145 (29.1)<br>1.135 (28.8) | 1.085 (27.6)<br>1.075 (27.3) | 1.047 (26.6) | .906 (23.0)  | .133 (3.4)<br>.123 (3.1) | .969 (24.6)  |
| E               | 17         | 1.270 (32.3)<br>1.260 (32.0) | 1.210 (30.7)<br>1.200 (30.5) | 1.219 (31.0) | 1.016 (25.8) | .133 (3.4)<br>.123 (3.1) | 1.062 (27.0) |
| F               | 19         | 1.395 (35.4)<br>1.385 (35.2) | 1.335 (33.9)<br>1.325 (33.7) | 1.297 (32.9) | 1.141 (29.0) | .133 (3.4)<br>.123 (3.1) | 1.156 (29.4) |
| G               | 21         | 1.520 (38.6)<br>1.510 (38.4) | 1.460 (37.1)<br>1.450 (36.8) | 1.422 (36.1) | 1.266 (32.2) | .133 (3.4)<br>.123 (3.1) | 1.250 (31.8) |
| H               | 23         | 1.645 (41.8)<br>1.635 (41.5) | 1.585 (40.3)<br>1.575 (40.0) | 1.547 (39.3) | 1.375 (34.9) | .159 (4.0)<br>.149 (3.8) | 1.375 (34.9) |
| J               | 25         | 1.770 (45.0)<br>1.760 (44.7) | 1.710 (43.4)<br>1.700 (43.2) | 1.672 (42.5) | 1.484 (37.7) | .155 (3.9)<br>.145 (3.7) | 1.500 (38.1) |

Metric dimensions (mm) are indicated in parentheses