



# 180-091 (S7) Square Flange Wall Mount Receptacle Advanced Fiber Optic Connector MIL-DTL-38999 Series III Type with Slotted Holes

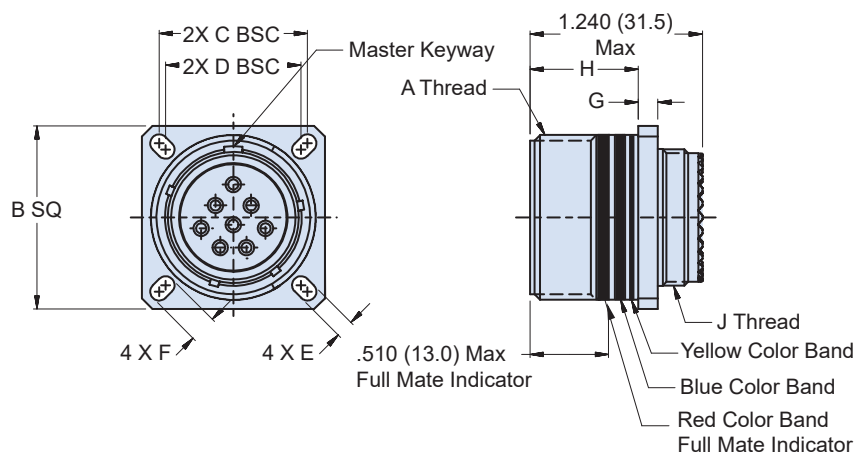
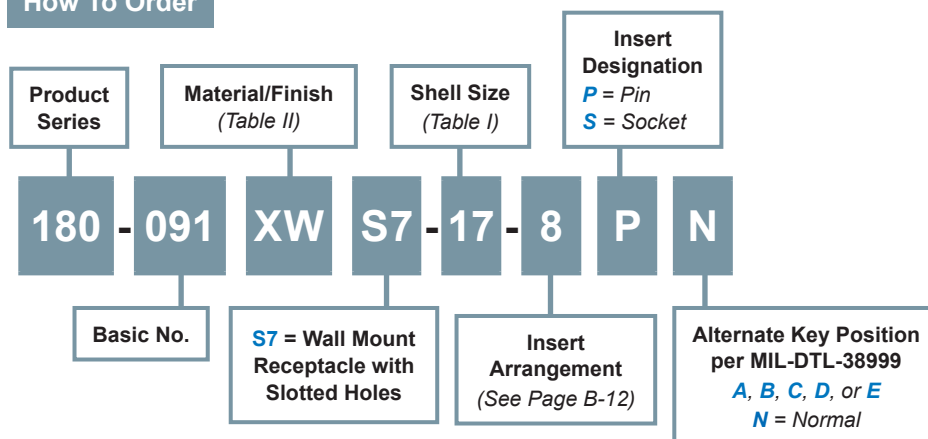
D38999  
Series III

B

## MIL-DTL-38999 type advanced fiber optic receptacle connector



### How To Order



**S7 - WALL MOUNT RECEPTACLE  
WITH SQUARE FLANGE AND SLOTTED HOLES**

### Notes

1. Insert arrangement in accordance with MIL-STD-1560, See Page B-12.
2. Blue Color Band indicates rear release retention system.
3. For appropriate Glenair Terminus part numbers, see Glenair Drawing 181-001 and 181-002.
4. For recommended panel cutout, See Page B-13

5. S7 wall mount receptacle can be front panel mounted using cut out dimensions R1 or R2 on page C-11. Dimension R2 is for use with S7 wall mount receptacle only.

### Material and Finish

Shell: See Table II  
Insulator: High Grade Rigid Dielectric  
Seals: Fluorosilicone

**180-091 (S7) Square Flange Wall Mount Receptacle**  
**Advanced Fiber Optic Connector**  
**MIL-DTL-38999 Series III Type with Slotted Holes**



MIL-DTL-38999  
Series III Type

**B**

**Table I**

| Shell Size Code | Shell Size | A Thread             | B SQ                         | C BSC        | D BSC        | E                        | F                        | G                          | H                          | J Thread            |
|-----------------|------------|----------------------|------------------------------|--------------|--------------|--------------------------|--------------------------|----------------------------|----------------------------|---------------------|
| A               | 9          | .6250-.1P-.3L-TS-2A  | .949 (24.1)<br>.929 (23.6)   | .719 (18.3)  | .594 (15.1)  | .136 (3.5)<br>.120 (3.0) | .216 (5.5)               | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M12 x 1.0-6g 0.100R |
| B               | 11         | .7500-.1P-.3L-TS-2A  | 1.043 (26.5)<br>1.019 (25.9) | .812 (20.6)  | .719 (18.3)  | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M15 x 1.0-6g 0.100R |
| C               | 13         | .8750-.1P-.3L-TS-2A  | 1.138 (28.9)<br>1.114 (28.3) | .906 (23.0)  | .812 (20.6)  | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M18 x 1.0-6g 0.100R |
| D               | 15         | 1.0000-.1P-.3L-TS-2A | 1.232 (31.3)<br>1.208 (30.7) | .969 (24.6)  | .906 (23.0)  | .136 (3.5)<br>.120 (3.0) | .181 (4.6)<br>.165 (4.2) | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M22 x 1.0-6g 0.100R |
| E               | 17         | 1.1875-.1P-.3L-TS-2A | 1.323 (33.6)<br>1.299 (33.0) | 1.062 (27.0) | .969 (24.6)  | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M25 x 1.0-6g 0.100R |
| F               | 19         | 1.2500-.1P-.3L-TS-2A | 1.449 (36.8)<br>1.425 (36.2) | 1.156 (29.4) | 1.062 (27.0) | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .144 (3.7)<br>.083 (2.1)   | .823 (20.9)<br>.768 (19.5) | M28 x 1.0-6g 0.100R |
| G               | 21         | 1.3750-.1P-.3L-TS-2A | 1.575 (40.0)<br>1.551 (39.4) | 1.250 (31.8) | 1.156 (29.4) | .136 (3.5)<br>.120 (3.0) | .202 (5.1)<br>.186 (4.7) | .171 (65.2)<br>.083 (39.8) | .791 (20.0)<br>.736 (18.7) | M31 x 1.0-6g 0.100R |
| H               | 23         | 1.5000-.1P-.3L-TS-2A | 1.701 (43.2)<br>1.677 (42.6) | 1.375 (34.9) | 1.250 (31.8) | .162 (4.1)<br>.146 (3.7) | .250 (6.4)<br>.234 (5.9) | .171 (65.2)<br>.083 (39.8) | .791 (20.0)<br>.736 (18.7) | M34 x 1.0-6g 0.100R |
| J               | 25         | 1.6250-.1P-.3L-TS-2A | 1.823 (46.3)<br>1.799 (45.7) | 1.500 (38.1) | 1.375 (34.9) | .162 (4.1)<br>.146 (3.7) | .250 (6.4)<br>.234 (5.9) | .171 (65.2)<br>.083 (39.8) | .791 (20.0)<br>.736 (18.7) | M37 x 1.0-6g 0.100R |

| Code | Material        | Finish Description        |
|------|-----------------|---------------------------|
| M    | Aluminum Alloy  | Electroless Nickel        |
| MT   |                 | Nickel - PTFE, Grey       |
| NF   |                 | Cadmium, Olive Drab       |
| ZN   |                 | Zinc-Nickel, Olive Drab   |
| ZNU  |                 | Zinc-Nickel, Black        |
| ZR   |                 | Zinc-Nickel, Black (RoHS) |
| XM   | Composite       | Electroless Nickel        |
| XMT  |                 | Nickel - PTFE, Grey       |
| XW   |                 | Cadmium, Olive Drab       |
| XZN  |                 | Zinc-Nickel, Black        |
| MS   | Stainless Steel | Electroless Nickel        |
| ZL   |                 | Electro-Deposited Nickel  |
| Z1   |                 | Passivate                 |
| AB   | Marine Bronze   | None (Clean Only)         |

Refer to Appendix for material/finish details