



180-091 (H7) Square Flange Wall Mount Receptacle Advanced Fiber Optic Connector MIL-DTL-38999 Series III Type with Round Holes (Standard)

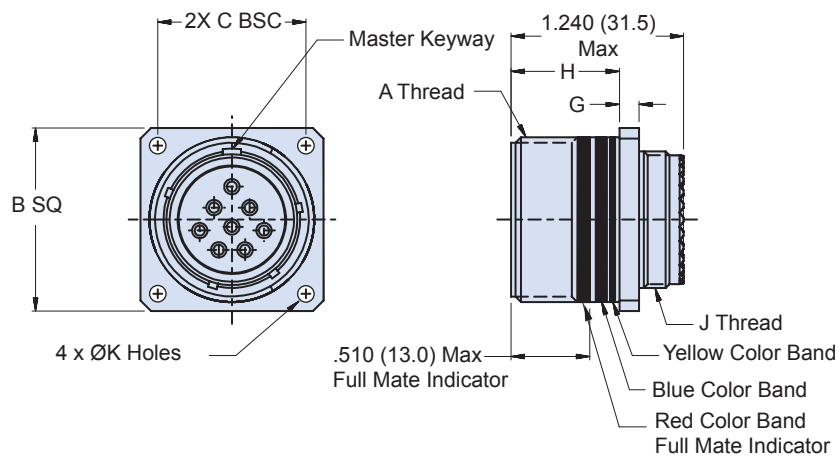
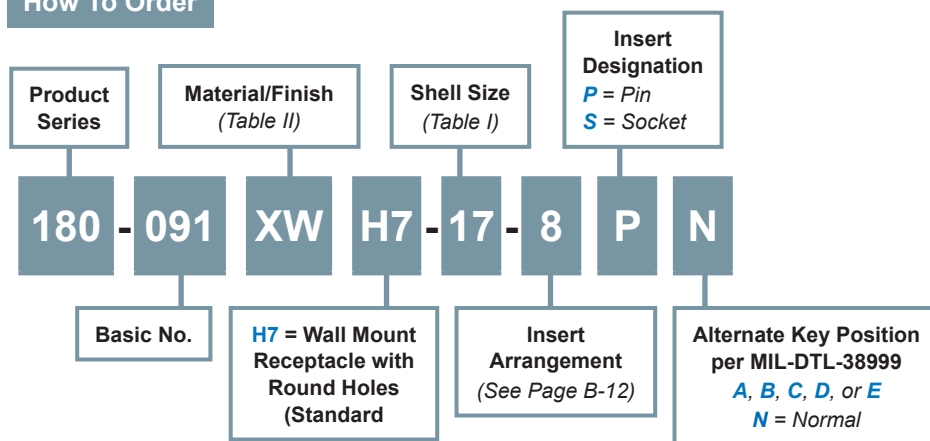
D38999
Series III

B

MIL-DTL-38999 type advanced fiber optic receptacle connector



How To Order



H7 - SQUARE FLANGE WALL MOUNT RECEPTACLE WITH ROUND HOLES (STANDARD)

Material and Finish

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

Notes

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

180-091 (H7) Square Flange Wall Mount Receptacle
Advanced Fiber Optic Connector
MIL-DTL-38999 Series III Type with Round Holes (Standard)



MIL-DTL-38999
Series III Type

B

Table I

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

Material and Finish		
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
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



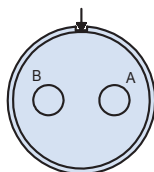
180-091

MIL-DTL-38999 Series III Type Fiber Optic Connection System Contact Arrangements

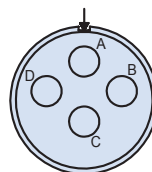
D38999
Series III

MIL-DTL-38999 type advanced fiber optic connectors

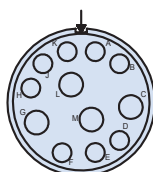
B



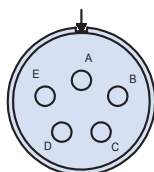
Shell Size 11
Arrangement 2



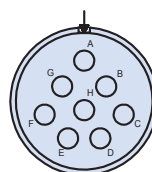
Shell Size 13
Arrangement 4



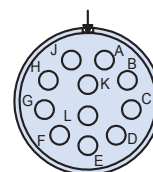
Shell Size 15
Arrangement 97



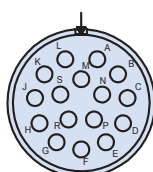
Shell Size 15
Arrangement 5



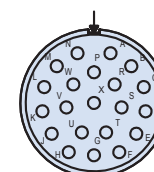
Shell Size 17
Arrangement 8



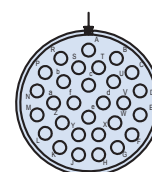
Shell Size 19
Arrangement 11



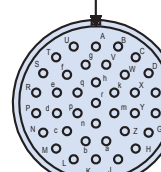
Shell Size 21
Arrangement 16



Shell Size 23
Arrangement 21



Shell Size 25
Arrangement 29



Shell Size 25
Arrangement 37

Mating face of pin insert shown

Contact Arrangements per MIL-STD-1560

180-091
MIL-DTL-38999 Series III Type
Fiber Optic Connection System
Panel Cutouts

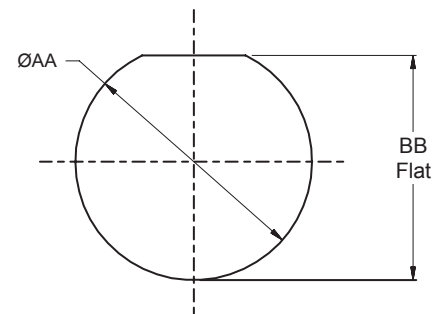
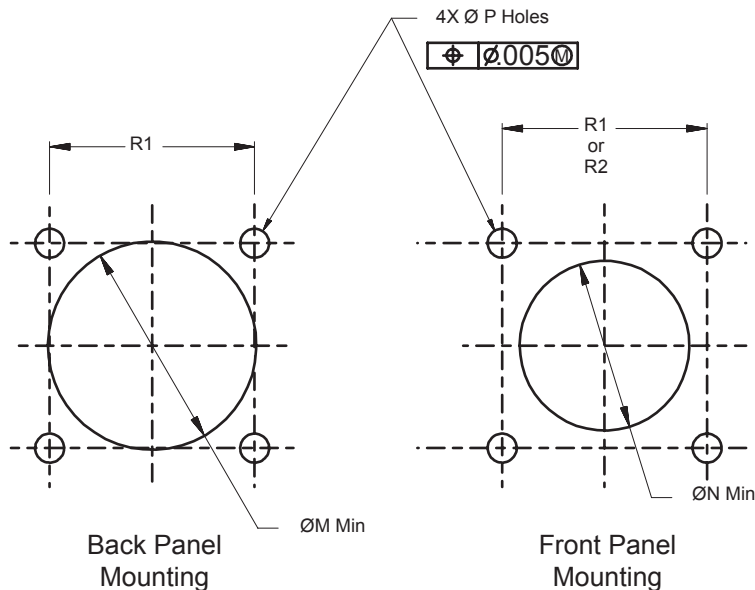


MIL-DTL-38999
Series III Type

B

Table I

Shell Size Code	Shell Size	Ø AA	BB Flat	Ø M Min	Ø N Min	Ø P Holes	R1 BSC	R1 BSC
B	11	.835 (21.2) .825 (21.0)	.771 (19.6) .761 (19.3)	.796 (20.2)	.625 (15.9)	.133 (3.4) .123 (3.1)	.812 (20.6)	.719 (18.3)
C	13	1.020 (25.9) 1.010 (25.7)	.955 (24.3) .945 (24.0)	.922 (23.4)	.750 (19.1)	.133 (3.4) .123 (3.1)	.906 (23.0)	.812 (20.6)
D	15	1.145 (29.1) 1.135 (28.8)	1.085 (27.6) 1.075 (27.3)	1.047 (26.6)	.906 (23.0)	.133 (3.4) .123 (3.1)	.969 (24.6)	.906 (23.0)
E	17	1.270 (32.3) 1.260 (32.0)	1.210 (30.7) 1.200 (30.5)	1.219 (31.0)	1.016 (25.8)	.133 (3.4) .123 (3.1)	1.062 (27.0)	.969 (24.6)
F	19	1.395 (35.4) 1.385 (35.2)	1.335 (33.9) 1.325 (33.7)	1.297 (32.9)	1.141 (29.0)	.133 (3.4) .123 (3.1)	1.156 (29.4)	1.062 (27.0)
G	21	1.520 (38.6) 1.510 (38.4)	1.460 (37.1) 1.450 (36.8)	1.422 (36.1)	1.266 (32.2)	.133 (3.4) .123 (3.1)	1.250 (31.8)	1.156 (29.4)
H	23	1.645 (41.8) 1.635 (41.5)	1.585 (40.3) 1.575 (40.0)	1.547 (39.3)	1.375 (34.9)	.159 (4.0) .149 (3.8)	1.375 (34.9)	1.250 (31.8)
J	25	1.770 (45.0) 1.760 (44.7)	1.710 (43.4) 1.700 (43.2)	1.672 (42.5)	1.484 (37.7)	.155 (3.9) .145 (3.7)	1.500 (38.1)	1.375 (34.9)



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