





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

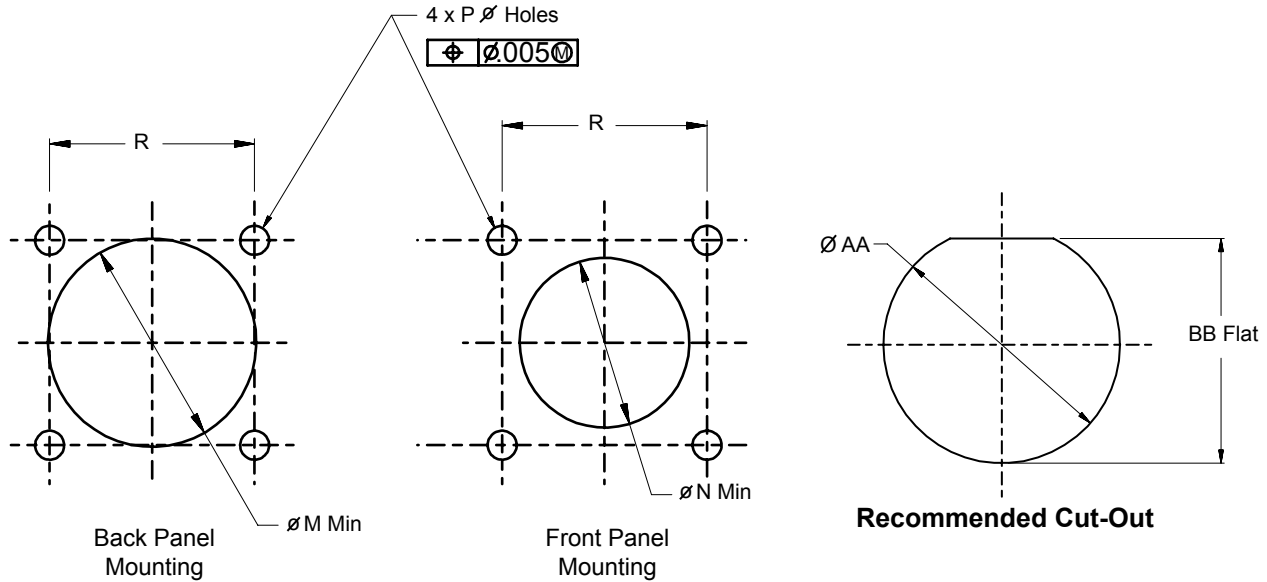
TABLE II: FINISH			
SYM	MATERIAL	FINISH	MIL SYM
M	Aluminum	Electroless Nickel	F
NF		Cadmium O.D. Over Electroless Nickel	W
ZN		Zinc Ni, Olive Drab	Z
ZE		Zinc Ni, No Chromate	
ZR		Zinc Ni, Black (Tri-Valent CR)	
AL		Pure-Dense Electro-Deposited Aluminum	P
MT		Ni-PTFE 1000 Hour Grey™	T
XM	Composite	Electroless Nickel	M
XMT		Ni-PTFE 1000 Hour Grey™	
XO		No Finish	
XW		Cadmium O.D. over Electroless Nickel	J
Z1	Stainless Steel	Passivate	
ZC		Zinc Colbalt	
ZL		Electro-Deposited Nickel	
ZW		Cadmium O.D. over Nickel	
AB	Marine Bronze	None (Clean Only)	

\*Consult Factory for Additional Plating Options

D

TABLE III: SHELL SIZE										
Shell Size Code	Shell Size	B SQ	C BSC	D BSC	E	F	G	H	J Thread	K Holes Dia
A	09	.949 (24.1)	.719 (18.3)	.626 (15.9)	.136 (3.5)	.224 (5.7)	.144 (3.7)	.823 (20.9)	M12 x 1.0-6g 0.100R	.136 (3.5)
		.925 (23.5)			.120 (0.1)	.208 (5.3)	.083 (2.1)	.768 (19.5)		.120 (3.0)
B	11	1.043 (26.5)	.812 (20.6)	.719 (18.3)	.136 (3.5)	.202 (5.1)	.144 (3.7)	.823 (20.9)	M15 x 1.0-6g 0.100R	.136 (3.5)
		1.019 (25.9)			.120 (0.1)	.208 (5.3)	.083 (2.1)	.768 (19.5)		.120 (3.0)
C	13	1.138 (28.9)	.906 (23.0)	.812 (20.6)	.136 (3.5)	.202 (5.1)	.144 (3.7)	.823 (20.9)	M18 x 1.0-6g 0.100R	.136 (3.5)
		1.114 (28.3)			.120 (0.1)	.208 (5.3)	.083 (2.1)	.768 (19.5)		.120 (3.0)
D	15	1.232 (31.3)	.969 (24.6)	.906 (23.0)	.136 (3.5)	.202 (5.1)	.144 (3.7)	.823 (20.9)	M22 x 1.0-6g 0.100R	.136 (3.5)
		1.208 (30.7)			.120 (0.1)	.208 (5.3)	.083 (2.1)	.768 (19.5)		.120 (3.0)
E	17	1.323 (33.6)	1.062 (27.0)	.969 (24.6)	.136 (3.5)	.202 (5.1)	.144 (3.7)	.823 (20.9)	M25 x 1.0-6g 0.100R	.136 (3.5)
		1.299 (33.0)			.120 (0.1)	.208 (5.3)	.083 (2.1)	.768 (19.5)		.120 (3.0)
F	19	1.449 (36.8)	1.156 (29.4)	1.062 (27.0)	.136 (3.5)	.202 (5.1)	.144 (3.7)	.823 (20.9)	M28 x 1.0-6g 0.100R	.136 (3.5)
		1.425 (36.2)			.120 (0.1)	.208 (5.3)	.083 (2.1)	.768 (19.5)		.120 (3.0)
G	21	1.575 (40.0)	1.250 (31.8)	1.156 (29.4)	.136 (3.5)	.202 (5.1)	.171 (65.2)	.791 (20.0)	M31 x 1.0-6g 0.100R	.136 (3.5)
		1.551 (39.4)			.120 (0.1)	.208 (5.3)	.083 (39.8)	.736 (18.7)		.120 (3.0)
H	23	1.701 (43.2)	1.375 (34.9)	1.250 (31.8)	.162 (4.1)	.250 (6.4)	.171 (65.2)	.791 (20.0)	M34 x 1.0-6g 0.100R	.162 (4.1)
		1.677 (42.6)			.146 (3.7)	.234 (5.9)	.083 (39.8)	.736 (18.7)		.146 (3.7)
J	25	1.823 (46.3)	1.500 (38.1)	1.375 (34.9)	.162 (4.1)	.250 (6.4)	.171 (65.2)	.791 (20.0)	M37 x 1.0-6g 0.100R	.162 (4.1)
		1.799 (45.7)			.146 (3.7)	.234 (5.9)	.083 (39.8)	.736 (18.7)		.146 (3.7)

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**Recommended Mounting Holes  
for Wall Mount Receptacle**

TABLE IV: SHELL SIZE							
Shell Size Code	Shell Size	AA Dia	BB Flat	M Ø Min	N Ø Min	P Ø Holes	R BSC
A	09	.710 (18.0)	.670 (17.0)	.656 (16.7)	.516 (13.1)	.133 (3.4)	.719 (18.3)
		.700 (17.8)	.660 (16.8)			.123 (3.1)	
B	11	.835 (21.2)	.771 (19.6)	.796 (20.2)	.625 (15.9)	.133 (3.4)	.812 (20.6)
		.825 (21.0)	.761 (19.3)			.123 (3.1)	
C	13	1.020 (25.9)	.955 (24.3)	.922 (23.4)	750 (19.1)	.133 (3.4)	.906 (23.0)
		1.010 (25.7)	.945 (24.0)			.123 (3.1)	
D	15	1.145 (29.1)	1.085 (27.6)	1.047 (26.6)	.906 (23.0)	.133 (3.4)	.969 (24.6)
		1.135 (28.8)	1.075 (27.3)			.123 (3.1)	
E	17	1.270 (32.3)	1.210 (30.7)	1.219 (31.0)	1.016 (25.8)	.133 (3.4)	1.062 (27.0)
		1.260 (32.0)	1.200 (30.5)			.123 (3.1)	
F	19	1.395 (35.4)	1.335 (33.9)	1.297 (32.9)	1.141 (29.0)	.133 (3.4)	1.156 (29.4)
		1.385 (35.2)	1.325 (33.7)			.123 (3.1)	
G	21	1.520 (38.6)	1.460 (37.1)	1.422 (36.1)	1.266 (32.2)	.133 (3.4)	1.250 (31.8)
		1.510 (38.4)	1.450 (36.8)			.123 (3.1)	
H	23	1.645 (41.8)	1.585 (40.3)	1.547 (39.3)	1.375 (34.9)	.159 (4.0)	1.375 (34.9)
		1.635 (41.5)	1.575 (40.0)			.149 (3.8)	
J	25	1.770 (45.0)	1.710 (43.4)	1.672 (42.5)	1.484 (37.7)	.155 (3.9)	1.500 (38.1)
		1.760 (44.7)	1.700 (43.2)			.145 (3.7)	

Metric dimensions (mm) are indicated in parentheses

