

# MIL-C-38999 Series III Explanation

MIL-C-38999 Series III

Part Number Explanation: D38999/20 F A 35 P N

Below are the explanations for each or the coloured sections of the part number.

Shell Style

Code  
Description  
Available in Class

D38999/20  
Wall mount receptacle  
F, G, J, K, M, S, W

D38999/21  
Hermetic seal box mount receptacle  
H, N, Y

D38999/23  
Hermetic seal jam nut receptacle  
H, N, Y

D38999/24  
Jam nut receptacle  
F, G, J, K, M, S, W

D38999/25  
Hermetic seal solder mount receptacle  
H, N, Y

D38999/26  
Straight plug, self locking  
F, G, J, K, M, S, W

D38999/27  
Hermetic seal weld mount receptacle  
H, N, Y

Class

Code  
Description  
Material  
Finish  
Temp.

C\*

Environmental  
Aluminum

Non-conductive anodize  
200° C

F

Environmental  
Aluminum

Electroless nickel  
200° C

G  
Environmental, space grade  
Aluminum

Electroless nickel  
200° C

H  
Hermetic, space grade  
Stainless Steel  
Electroless nickel  
200° C

J  
Environmental  
Composite  
Cadmium olive drab  
175° C

K  
Environmental Firewall  
Stainless Steel  
Passivated  
200° C

M  
Environmental  
Composite  
Electroless nickel  
200° C

N  
Hermetic  
Stainless Steel  
Electro deposited nickel  
200° C

S  
Environmental  
Stainless Steel  
Electro deposited nickel  
200° C

W  
Environmental  
Aluminum

Cadmium olive drab  
175° C

Y  
Hermetic  
Stainless Steel  
Electroless nickel  
200° C

\* No Class C connectors in MIL-C-38999 Series III as of publication date.

## Shell Size

The letters A to J must be use for the Military part number.

These correspond to shell sizes 9 to 25 as follows:

A  
B  
C

D  
E  
F  
G  
H  
J

9  
11  
13  
15  
17  
19  
21  
23  
25

(There is no shell size i)

MIL-C-38999 Insert Configurations 87.68 Kb

#### Contact Style

A - Connector less pin contacts.

B - Connector less socket contacts.

H - Pin contacts, 1500 cycles.

J - Socket contacts, 1500 cycles.

P - Pin contacts, 500 cycles (crimp and hermetic with solder cups).

S - Socket contacts, 500 cycles (crimp and hermetic with solder cups).

X - Pin with eyelet (hermetic only).

Z - Socket with eyelet (hermetic only).

N.B. All shell types, receptacles and plugs, are available with either male pins or female socket contacts

#### Polarization

Blank - Normal

MIL-C-38999 Rotations 53.38 Kb