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MIL-DTL-38999 SERIES III CODING EXPLAINED

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PART NUMBER EXPLANATION: MIL-DTL-38999 SERIES III

D38999/20FA35PN

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

SHELL TYPE

Code	Description	Available 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

<b>D38999/25</b>	Hermetic seal solder mount receptacle	H,N,Y
<b>D38999/26</b>	Straight plug, self locking	F,G,J,K,M,S,W
<b>D38999/27</b>	Hermetic seal weld mount receptacle	H,N,Y

**CLASS**

<b>Class Code</b>	<b>Description</b>	<b>Material</b>	<b>Finish</b>	<b>Temp</b>
<b>C*</b>	Environmental	Aluminium	Non- conductive anodise	200°C
<b>F</b>	Environmental	Aluminium	Electroless nickel	200°C
<b>G</b>	Environmental, space grade	Aluminium	Electroless nickel	200°C
<b>H</b>	Hermetic, space grade	Stainless steel	Electroless nickel	200°C
<b>J</b>	Environmental	Composite	Cadmium olive drab	175°C
<b>K</b>	Environmental Firewall	Stainless Steel	Electroless nickel	200°C
<b>M</b>	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	Aluminium	Cadmium olive drab	175°C
Y	Hermetic	Stainless steel	Electroless nickel	200°C

\*No Class C connectors in MIL-DTL-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

CONTACT ARRANGEMENT

View MIL-DTL-38999 Inserts

CONTACT STYLE

A	Less pin contacts
B	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)
Note	All shell types (receptacles and plugs) are available with either pin or socket contacts.

POLARISATION

View rotation angles (varies by insert)

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PRODUCT RANGE

Product Range 

INFORMATION

## Information

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