

# MIL-DTL-38999, Series III TV Receptacle Protection Cap

Series III TV

**38999**

III  
HD  
Dualok  
II  
I  
SJT  
Accessories  
Aquacon  
Herm/Seal  
PCB

**HIGH  
SPEED**

Fiber Optics

Contacts  
Connectors  
Cables

EMI Filter  
Transient

26482  
Matrix 2

83723 III  
Matrix | Pyle

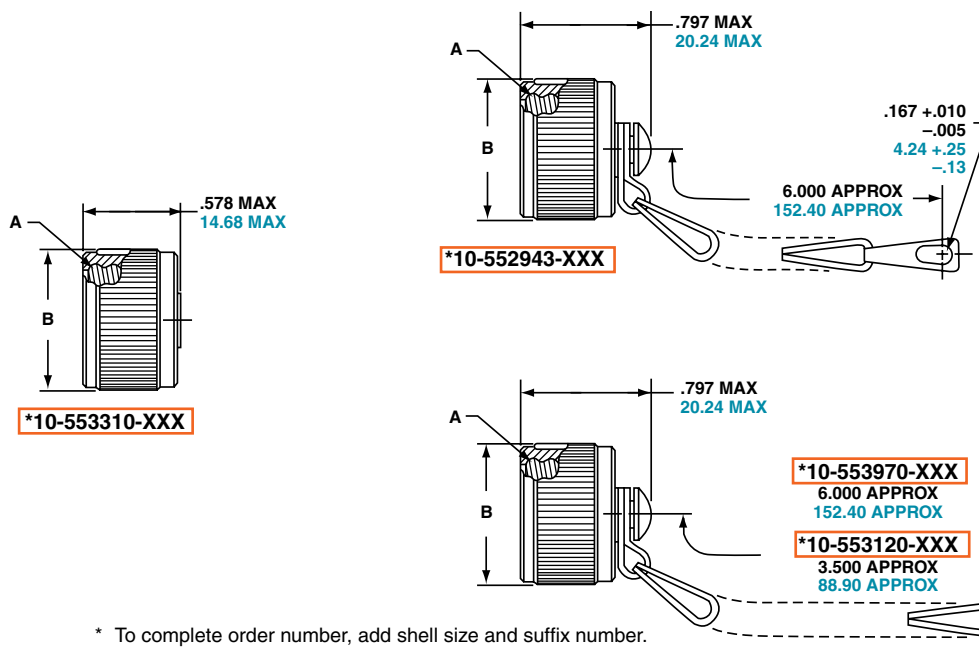
26500  
Pyle

5015  
Crimp Rear  
Release  
Matrix

22992  
Class I

Back-  
Shells

Options  
Others



\* To complete order number, add shell size and suffix number.  
For example, shell size 11 with olive drab cadmium nickel base, **10-552943-119**

| Inches     |                                   |                |                       |
|------------|-----------------------------------|----------------|-----------------------|
| Shell Size | A Thread Class 2B<br>0.1P-0.3L-TS | B Dia.<br>Max. | D Dia.<br>+.010 -.000 |
| 9          | .6250                             | .875           | .703                  |
| 11         | .7500                             | 1.000          | .844                  |
| 13         | .8750                             | 1.125          | 1.016                 |
| 15         | 1.0000                            | 1.250          | 1.141                 |
| 17         | 1.1875                            | 1.438          | 1.266                 |
| 19         | 1.2500                            | 1.500          | 1.391                 |
| 21         | 1.3750                            | 1.625          | 1.516                 |
| 23         | 1.5000                            | 1.750          | 1.641                 |
| 25         | 1.6250                            | 1.875          | 1.766                 |

All dimensions for reference only.

| Millimeters |                    |             |                     |
|-------------|--------------------|-------------|---------------------|
| Shell Size  | MS Shell Size Code | B Dia. Max. | D Dia. +.25<br>-.00 |
| 9           | A                  | 22.23       | 17.86               |
| 11          | B                  | 25.40       | 21.44               |
| 13          | C                  | 28.58       | 25.81               |
| 15          | D                  | 31.75       | 28.98               |
| 17          | E                  | 36.53       | 32.16               |
| 19          | F                  | 38.10       | 35.33               |
| 21          | G                  | 41.28       | 38.51               |
| 23          | H                  | 44.45       | 41.68               |
| 25          | J                  | 47.63       | 44.86               |

| Finish                           | 10-No Suffix |
|----------------------------------|--------------|
| Olive Drab, Cadmium, Nickel base | -XX9         |
| Electroless Nickel               | -XXG         |

Consult Amphenol Aerospace for availability of stainless steel protection caps.

## TV Series III MS METAL PROTECTION CAPS

| Shell Size | MS Shell Size Code | MS Receptacle Protection Cap |
|------------|--------------------|------------------------------|
| 9          | A                  | D38999/33W9X*                |
| 11         | B                  | D38999/33W11X*               |
| 13         | C                  | D38999/33W13X*               |
| 15         | D                  | D38999/33W15X*               |
| 17         | E                  | D38999/33W17X*               |
| 19         | F                  | D38999/33W19X*               |
| 21         | G                  | D38999/33W21X*               |
| 23         | H                  | D38999/33W23X*               |
| 25         | J                  | D38999/33W25X*               |

\* To complete order number, replace X with applicable letter as follows:  
R - designates eyelet type  
N - designates washer type

MS metal protection caps are supplied with service class W which designates corrosion resistant olive drab cadmium plate aluminum. Consult Amphenol Aerospace for more detailed information on ordering MS Metal protection caps.

## TV Series III PLASTIC PROTECTION CAPS

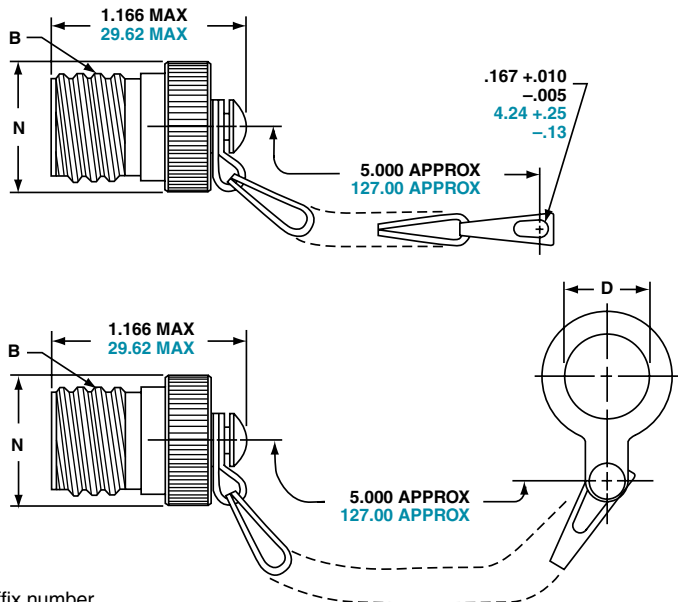
| Shell Size | Receptacle  |
|------------|-------------|
| 9          | 10-70500-10 |
| 11         | 10-70500-12 |
| 13         | 10-70500-14 |
| 15         | 10-70500-16 |
| 17         | 10-70500-19 |
| 19         | 10-70500-20 |
| 21         | 10-70500-22 |
| 23         | 10-70500-24 |
| 25         | 10-70524-1  |

38999

Series III TV

\*10-552944-XXX

\*10-553998-XXX



\* To complete order number, add shell size and suffix number.  
For example, shell size 11 with olive drab cadmium nickel base, 10-552944-119

| Inches     |                                |                       |             | Millimeters |                    |                  |             |
|------------|--------------------------------|-----------------------|-------------|-------------|--------------------|------------------|-------------|
| Shell Size | A Thread Class 2B 0.1P-0.3L-TS | D Dia. +.010<br>-.000 | N Dia. Max. | Shell Size  | MS Shell Size Code | D Dia. +.25 -.00 | N Dia. Max. |
| 9          | .6250                          | .516                  | .895        | 9           | A                  | 13.11            | 22.73       |
| 11         | .7500                          | .641                  | 1.000       | 11          | B                  | 16.28            | 25.40       |
| 13         | .8750                          | .766                  | 1.171       | 13          | C                  | 19.46            | 29.74       |
| 15         | 1.0000                         | .891                  | 1.299       | 15          | D                  | 22.63            | 32.99       |
| 17         | 1.1875                         | 1.016                 | 1.436       | 17          | E                  | 25.81            | 36.47       |
| 19         | 1.2500                         | 1.141                 | 1.543       | 19          | F                  | 28.98            | 39.19       |
| 21         | 1.3750                         | 1.266                 | 1.670       | 21          | G                  | 32.16            | 42.42       |
| 23         | 1.5000                         | 1.343                 | 1.787       | 23          | H                  | 34.11            | 45.39       |
| 25         | 1.6250                         | 1.516                 | 1.914       | 25          | J                  | 38.51            | 48.62       |

All dimensions for reference only.

| Finish                           | 10-No Suffix |
|----------------------------------|--------------|
| Olive Drab, Cadmium, Nickel base | -XX9         |
| Electroless Nickel               | -XXG         |

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### TV Series III

#### MS METAL PROTECTION CAPS

| Shell Size | MS Shell Size Code | MS Plug Protection Cap |
|------------|--------------------|------------------------|
| 9          | A                  | D38999/32W9X*          |
| 11         | B                  | D38999/32W11X*         |
| 13         | C                  | D38999/32W13X*         |
| 15         | D                  | D38999/32W15X*         |
| 17         | E                  | D38999/32W17X*         |
| 19         | F                  | D38999/32W19X*         |
| 21         | G                  | D38999/32W21X*         |
| 23         | H                  | D38999/32W23X*         |
| 25         | J                  | D38999/32W25X*         |

\* To complete order number, replace X with applicable letter as follows:  
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N - designates washer type

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### TV Series III

#### PLASTIC PROTECTION CAPS

| Shell Size | Plug        |
|------------|-------------|
| 9          | 10-70506-14 |
| 11         | 10-70506-16 |
| 13         | 10-70500-18 |
| 15         | 10-70500-20 |
| 17         | 10-70500-22 |
| 19         | 10-70500-24 |
| 21         | 10-70524-1  |
| 23         | 10-70506-28 |
| 25         | 10-70500-28 |