



DEUTSCH 38999 Series III Metal Protective Connector Covers

Rugged, Lightweight, Environmentally Sealed Metal Protective Covers
Qualified to MIL-DTL-38999 Series III



DEUTSCH 38999 Series III Metal Protective Connector Covers

Rugged Plated Aluminum Protective Covers for MIL-DTL-38999 Series III Connectors



Description

Lightweight, rugged aluminum metal covers that mechanically protect and seal 38999 series III connectors in the unmated condition, for both black box and harness applications. We incorporate ACME triple start threads for increased robustness and reliability. Our product offering includes a full range of shell sizes and platings to meet the demanding needs of the specific customer application.

ROBUST

- Utilizes ACME triple start threads

MIL QUALIFIED

- Qualified to MIL-DTL-38999 Series III, D38999/32 and D38999/33 slash sheets

VERSATILE

- Available in four plating configurations
- Available in all 9 shell sizes

ENHANCED CONNECTOR PROTECTION

- Helps protect connector against dust, foreign objects and moisture intrusion, in the unmated condition

APPLICATIONS/ MARKETS SERVED

- Avionic Systems
- C4ISR
- Radar Systems
- Ground Vehicles
- Missile Launch Platforms
- Weapons Systems

MATERIALS

- Aluminum alloy body
- Gasket is silicone based rubber
- Rope is passivated stainless steel with PTFE cover
- Rings and fasteners are corrosion resistant passivated steel

MECHANICAL/ENVIRONMENTAL

- Fastener tensile strength minimum 25 lbs
- Air leak rate – shall not exceed 1 atmospheric cubic inch per hour
- Coupling torque – shall not exceed MIL-DTL-38999 series III requirements

PLATINGS

- Olive Drab, Cadmium, Electroless Nickel, Black Zinc Nickel, Nickel PTFE

STANDARDS/SPECIFICATIONS

- MIL-DTL-38999 Series III



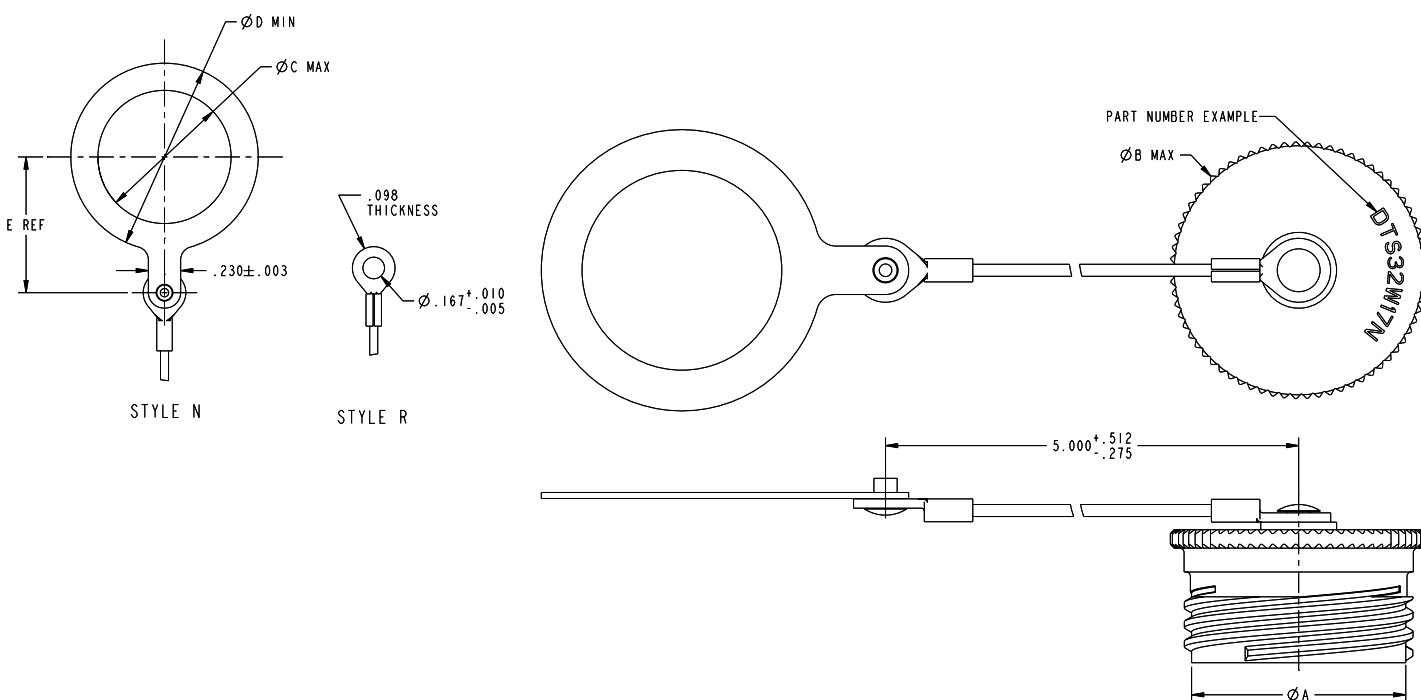
TE Components . . . TE Technology . . . TE Know-how . . .

AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem
SEACON | Rochester | DEUTSCH

Empower Engineers to Solve Problems, Moving the World Forward.



Qualified to D38999/32, which mates to D38999/26 plugs



Military Part Number **D38999/32** **W** **17** **N**

SERIES
MIL-DTL-38999/32

CLASS
F = NICKEL
T = NICKEL PTFE
W = OLIVE DRAB CADMIUM
Z = ZINC NICKEL

SHELL SIZE

STYLE
R = ROPE WITH EYELET ATTACHMENT
N = ROPE WITH LARGE RING ATTACHMENT

TE Part Number **DTS32** **W** **17** **N**

SERIES MIL-DTL-38999/32 TYPE

CLASS
F = NICKEL
T = NICKEL PTFE
W = OLIVE DRAB CADMIUM
Z = ZINC NICKEL

SHELL SIZE

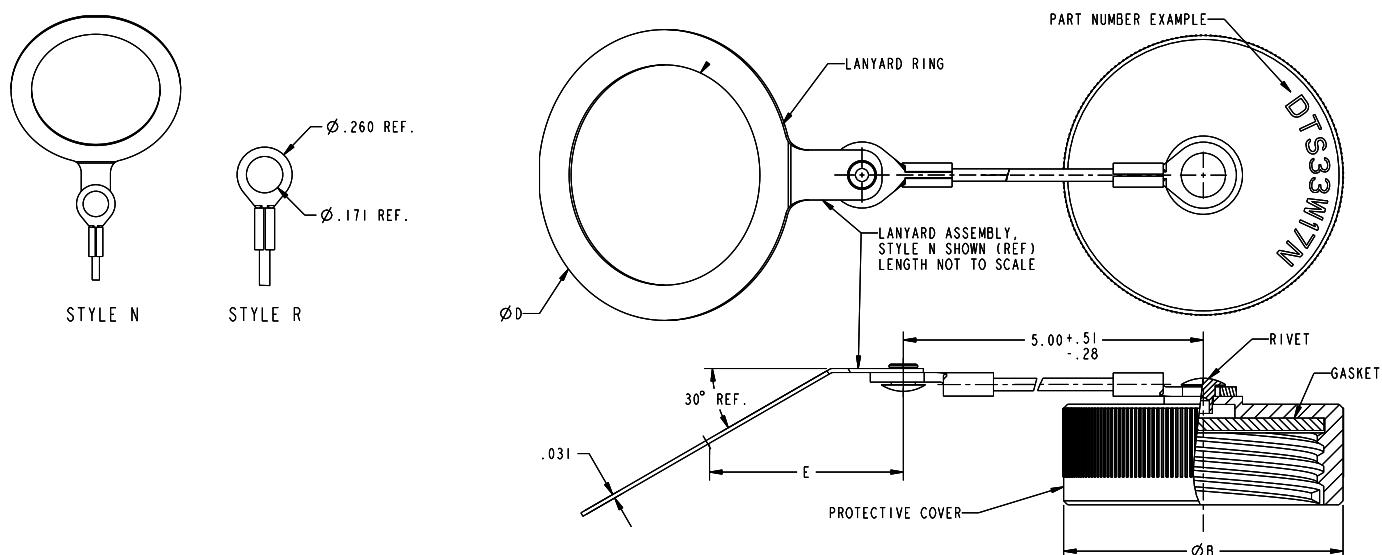
STYLE
R = ROPE WITH EYELET ATTACHMENT
N = ROPE WITH LARGE RING ATTACHMENT

PRODUCT INFORMATION

| Part Number | Shell Size | A Dia. Ref. | C Dia. Ref. | D Dia. Ref. | E Ref. |
|-------------|------------|-------------|-------------|-------------|--------|
| DTS32x09x | 09 | 0.561 | 0.633 | 0.866 | 0.715 |
| DTS32x11x | 11 | 0.686 | 0.719 | 1.051 | 0.797 |
| DTS32x13x | 13 | 0.811 | 0.890 | 1.051 | 0.797 |
| DTS32x15x | 15 | 0.936 | 0.999 | 1.201 | 0.875 |
| DTS32x17x | 17 | 1.107 | 1.205 | 1.441 | 0.997 |
| DTS32x19x | 19 | 1.170 | 1.205 | 1.441 | 1.083 |
| DTS32x21x | 21 | 1.295 | 1.275 | 1.614 | 1.093 |
| DTS32x23x | 23 | 1.420 | 1.349 | 1.697 | 1.250 |
| DTS32x25x | 25 | 1.543 | 1.579 | 1.790 | 1.280 |



Qualified to D38999/33, which mates to D38999/20 and D38999/24 receptacles



Military Part Number **D38999/33** **W** **17** **N**

SERIES
MIL-DTL-38999/33

CLASS
F = NICKEL
T = NICKEL PTFE
W = OLIVE DRAB CADMIUM
Z = ZINC NICKEL

SHELL SIZE

STYLE
R = ROPE WITH EYELET ATTACHMENT
N = ROPE WITH LARGE RING ATTACHMENT

TE Part Number **DTS33** **W** **17** **N**

SERIES MIL-DTL-38999/33 TYPE

CLASS
F = NICKEL
T = NICKEL PTFE
W = OLIVE DRAB CADMIUM
Z = ZINC NICKEL

SHELL SIZE

STYLE
R = ROPE WITH EYELET ATTACHMENT
N = ROPE WITH LARGE RING ATTACHMENT

PRODUCT INFORMATION

| Part Number | Shell Size | B Dia. Ref. | C Dia. Ref. | D Dia. Ref. | E Ref. |
|-------------|------------|-------------|-------------|-------------|--------|
| DTS33x09x | 09 | 0.812 | 0.719 | 1.051 | 0.761 |
| DTS33x11x | 11 | 0.950 | 0.890 | 1.051 | 0.761 |
| DTS33x13x | 13 | 1.088 | 1.205 | 1.441 | 0.960 |
| DTS33x15x | 15 | 1.166 | 1.205 | 1.441 | 0.960 |
| DTS33x17x | 17 | 1.323 | 1.275 | 1.441 | 1.055 |
| DTS33x19x | 19 | 1.442 | 1.579 | 1.790 | 1.228 |
| DTS33x21x | 21 | 1.560 | 1.579 | 1.790 | 1.228 |
| DTS33x23x | 23 | 1.678 | 1.688 | 2.031 | 1.289 |
| DTS33x25x | 25 | 1.836 | 1.765 | 2.177 | 1.328 |

LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit te.com to chat with a Product Information Specialist.

Technical Support

te.com/support-center

| | | | |
|----------------------|-----------------|--------------|--------------------|
| North America | +1 800 522 6752 | Asia Pacific | +86 400 820 6015 |
| North America (Toll) | +1 717 986 7777 | Japan | +81 044 844 8180 |
| EMEA/South Africa | +800 0440 5100 | Australia | +61 2 9554 2695 |
| EMEA (Toll) | +31 73 624 6999 | New Zealand | +64 (0) 9 634 4580 |
| India (Toll-Free) | +800 440 5100 | | |

te.com/38999-metal-covers

AMP, AGASTAT, CII, DEUTSCH, HARTMAN, KILOVAC, MICRODOT, NANONICS, POLAMCO, Raychem, SEACON, TE, TE Connectivity and the TE connectivity (logo) are trademarks owned or licensed by TE Connectivity. Other products, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE Connectivity (TE) has made every reasonable effort to ensure the accuracy of the information herein, nothing herein constitutes any guarantee that such information is error-free, or any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. The TE entity issuing this publication reserves the right to make any adjustments to the information contained herein at any time without notice. All implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose are expressly disclaimed. The dimensions herein are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice.

Consult TE for the latest dimensions and design specifications.

© 2018 TE Connectivity All Rights Reserved.

2348296-1 11/18