

View Online at <https://aerobasegroup.com/nsn/5935-01-356-8082>

Thread Class:

2a

Thread Direction:

Right-hand

Body Style:

Straight shape, external coupling

Overall Length:

2.125 inches

Overall Diameter:

Between 2.562 inches and 2.572 inches

Environmental Protection:

Moisture proof and salt water resistant and vibration proof and shock resistant and cold resistant and heat resistant and explosion proof

Distance From Mounting Shoulder To Front Face:

Between 0.961 inches and 0.971 inches

Mounting Facility Thickness:

0.128 inches

Threaded Device Type:

Back shell and coupling facility and mounting bushing

Mating End Quantity:

1

Contact Position Arrangement Style:

32-7 single mating end

Contact Removability:

Removable single mating end all contact groupings

Contact Maximum Current Rating In Amps:

22.0 single mating end 1st contact grouping 41.0 single mating end 2nd contact grouping 22.0 single mating end 3rd contact grouping

Contact Maximum Ac Voltage Rating In Volts:

200.0 single mating end 1st contact grouping 500.0 single mating end 2nd contact grouping 500.0 single mating end 3rd contact grouping

Contact Maximum Dc Voltage Rating In Volts:

250.0 single mating end 1st contact grouping 700.0 single mating end 2nd contact grouping 700.0 single mating end 3rd contact grouping

Polarization Method:

Key, multiple key groove

Insert Position In Deg:

0.0

Shell Type:

Solid

Connector Locking Method:

Externally threaded shell

Thread Length:

0.467 inches and 0.625 inches

Operating Temperature Rating:

Between -55.0 degrees celsius and 200.0 degrees celsius

Thready Qty Per Inch (tpi):

18

Thread Size:

2.000 inches

Terminal Location:

Back single mating end all contact groupings

Contact Material:

Copper alloy single mating end all contact groupings

Contact Surface Treatment:

Gold single mating end all contact groupings and nickel single mating end all contact groupings

Insert Material:

Rubber silicone class q single mating end

Contact Surface Treatment Specification:

Mil-g-45204, type ii, grade c, class 1 military specification 1st treatment response single mating end all contact groupings and qq-n-290, class 2 federal specification 2nd treatment response single mating end all contact groupings

Criticality Code Justification:

Feat

Terminal Type:

Crimp single mating end all contact groupings

Shell Material:

Aluminum

Shell Surface Treatment:

Cadmium and chromate and nickel

Shell Surface Treatment Specification:

Qq-p-416, type ii, class 3 federal specification 1st treatment response and qq-p-416, type ii, class 3 federal specification 2nd treatment response

Included Contact Quantity:

4 single mating end 1st contact grouping 7 single mating end 2nd contact grouping 24 single mating end 3rd contact grouping

Bushing Accommodation Hole Shape:

Round

Included Contact Type:

Round pin single mating end all contact groupings

Special Features:

In order to complete the connector assembly, the user must obtain /provide the backshell. Standard versions may be ordered as nsn 5935-01-193-5694, p/n m85049/52-1-32w for the straight style, or nsn 5935-01-216-3640, p/n m85049/51-1-32w for the right angle style

Precious Material And Location:

Contact surfaces gold

Precious Material And Weight:

0.079 gold grains, troy

Precious Material:

Gold

Test Data Document:

81349-mil-c-5015 specification (includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.).

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

A039b0

Mil-std (military Standard):

Mil-g-45204 spec.