

View Online at <https://aerobasegroup.com/nsn/5935-01-246-6115>

Thread Class:

2a and 2a

Thread Direction:

Right-hand and right-hand

Body Style:

Straight shape, external coupling

Overall Length:

2.500 inches

Overall Height:

2.250 inches

Overall Width:

2.250 inches

Environmental Protection:

Moisture proof and salt water resistant and vibration proof

Unthreaded Mounting Hole Diameter:

Between 0.168 inches and 0.183 inches

Center To Center Distance Between Mounting Facilities Parallel To Height:

1.750 inches

Distance Between Centerlines Of Mounting Facilities Parallel To Body Width:

1.750 inches

Distance From Mounting Shoulder To Front Face:

Between 0.875 inches and 0.906 inches

Threaded Device Type:

Back shell and coupling facility

Mating End Quantity:

1

Contact Position Arrangement Style:

32-6 single mating end

Contact Removability:

Removable single mating end all contact groupings

Contact Maximum Current Rating In Amps:

73.0 single mating end 3rd contact grouping

Contact Maximum Ac Voltage Rating In Volts:

500.0 single mating end all contact groupings

Contact Maximum Dc Voltage Rating In Volts:

700.0 single mating end all contact groupings

Polarization Method:

Keyway or multiple keyway

Insert Position In Deg:

0.0

Shell Type:

Solid

Connector Locking Method:

Externally threaded shell

Thready Qty Per Inch (tpi):

18 and 18

Thread Size:

2.000 inches and 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

Insert Material:

Rubber synthetic single mating end

Contact Surface Treatment Specification:

Mil-g-45204 military specification single treatment response single mating end all contact groupings

Terminal Type:

Crimp single mating end all contact groupings

Shell Material:

Aluminum alloy

Shell Surface Treatment:

Cadmium and chromate

Shell Surface Treatment Specification:

Qq-p-416, type 2, cl 3 federal specification all treatment responses

Included Contact Quantity:

3 single mating end 3rd contact grouping

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:

0.051 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.).

Thread Series Designator:

Uns and uns

Specification Data:

96906-ms3450 government standard

Unit Of Measure:

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Demilitarization:

No

Fig:

A039b0

Mil-std (military Standard):

Mil-g-45204 spec.