

View Online at <https://aerobasegroup.com/nsn/5935-01-354-6642>

Thread Class:

2a and 2b

Thread Direction:

Right-hand

Body Style:

Straight shape, internal coupling

Overall Length:

2.500 inches

Overall Diameter:

1.969 inches

Environmental Protection:

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

Threaded Device Type:

Back shell and coupling facility

Mating End Quantity:

1

Contact Position Arrangement Style:

28-10 single mating end

Contact Removability:

Removable single mating end all contact groupings

Contact Maximum Current Rating In Amps:

41.0 single mating end 1st contact grouping41.0 single mating end 2nd contact grouping73.0 single mating end 3rd contact grouping135.0 single mating end 4th contact grouping

Contact Maximum Ac Voltage Rating In Volts:

900.0 single mating end 1st contact grouping500.0 single mating end 2nd contact grouping500.0 single mating end 3rd contact grouping500.0 single mating end 4th contact grouping

Contact Maximum Dc Voltage Rating In Volts:

900.0 single mating end 1st contact grouping700.0 single mating end 2nd contact grouping700.0 single mating end 3rd contact grouping700.0 single mating end 4th contact grouping

Polarization Method:

Keyway or multiple keyway

Insert Position In Deg:

110.0

Shell Type:

Solid

Connector Locking Method:

Internally threaded coupling ring

Thread Length:

0.467 inches and 0.664 inches

Operating Temperature Rating:

Between -55.0 degrees celsius and 200.0 degrees celsius

Thread Qty Per Inch (tpi):

18

Thread Size:

1.750 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 1st contact grouping and nickel single mating end 1st contact grouping gold single mating end 2nd contact grouping and nickel single mating end 2nd contact groupingsilver single mating end 3rd contact groupingsilver single mating end 4th contact grouping

Insert Material:

Rubber silicone class q single mating end

Contact Surface Treatment Specification:

Mil-g-45204, type 2, grade c, cl 1 military specification 1st treatment response single mating end 1st contact grouping and qq-n-290, cl 2 federal specification 2nd treatment response single mating end 1st contact groupingmil-g-45204, type 2, grade c, cl 1 military specification 1st treatment response single mating end 2nd contact grouping and qq-n-290, cl 2 federal specification 2nd treatment response single mating end 2nd contact groupingqq-s-365 federal specification single treatment response single mating end 3rd contact groupingqq-s-365 federal specification single treatment response single mating end 4th contact grouping

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

Included Contact Quantity:

1 single mating end 1st contact grouping2 single mating end 2nd contact grouping2 single mating end 3rd contact grouping2 single mating end 4th contact grouping

Included Contact Type:

Round socket 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 5935-01-189-3225, p/n m85049/52-1-28w for the straight style, or nsn 5935-01-174-3672, p/n m85049/51-1-28w for the right angle style

Precious Material And Location:

Contact surfaces gold and contact surfaces silver

Precious Material And Weight:

0.015 gold grains, troy and 0.020 silver grains, troy

Precious Material:

Gold and silver

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

Specification Data:

96906-ms3406 government standard

Mil-std (military Standard):

Mil-g-45204 spec.