

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.