

View Online at <https://aerobasegroup.com/nsn/5935-01-338-9250>

**Thread Class:**

2a and 2a

**Thread Direction:**

Right-hand and right-hand

**Body Style:**

Straight shape, external coupling

**Overall Length:**

2.500 inches

**Overall Diameter:**

Between 2.693 inches and 2.755 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:**

40-10 single mating end

**Contact Removability:**

Removable single mating end all contact groupings

**Contact Maximum Current Rating In Amps:**

135.0 single mating end 1st contact grouping73.0 single mating end 2nd contact grouping22.0 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:**

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 125.0 degrees celsius

**Thready Qty Per Inch (tpi):**

16 and 16

**Thread Size:**

2.500 inches and 2.500 inches

**Terminal Location:**

Back single mating end all contact groupings

**Contact Material:**

Copper alloy single mating end all contact groupings

**Contact Surface Treatment:**

Silver single mating end 1st contact groupingsilver single mating end 2nd contact groupinggold single mating end 3rd contact grouping and nickel single mating end 3rd contact grouping

**Insert Material:**

Rubber silicone class q single mating end

**Contact Surface Treatment Specification:**

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

**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:**

4 single mating end 1st contact grouping9 single mating end 2nd contact grouping16 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 nsnn 5935-01-252-8178, p/n m85049/52-1-40w for the straight style, or nsnn 5935-01-230-4525, p/n m85049/51-1-40w for the right angle style

**Precious Material And Location:**

Contact surfaces gold

**Precious Material And Weight:**

0.081 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:**

Un and un

**Specification Data:**

96906-ms3451 government standard

**Shelf Life:**

N/a

**Mil-std (military Standard):**

Mil-g-45204 spec.