

View Online at <https://aerobasegroup.com/nsn/5935-01-270-1001>

**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:**

2.750 inches

**Overall Width:**

2.750 inches

**Environmental Protection:**

Moisture proof and salt water resistant and vibration proof

**Unthreaded Mounting Hole Diameter:**

Between 0.205 inches and 0.219 inches

**Center To Center Distance Between Mounting Facilities Parallel To Height:**

2.188 inches

**Distance Between Centerlines Of Mounting Facilities Parallel To Body Width:**

2.188 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:**

40-10 single mating end

**Contact Removability:**

Removable single mating end all contact groupings

**Contact Maximum Current Rating In Amps:**

73.0 single mating end 2nd 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:**

235.0

**Shell Type:**

Solid

**Connector Locking Method:**

Externally threaded shell

**Thread Length:**

0.467 inches and 0.625 inches

**Thread 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 2nd contact grouping

**Insert Material:**

Rubber synthetic single mating end

**Contact Surface Treatment Specification:**

Qq-s-365 federal specification single treatment response single mating end 2nd 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, cl3 federal specification all treatment responses

**Included Contact Quantity:**

9 single mating end 2nd 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 5935-01-252-8178, p/n m85049/52-1-40w for the straight style, or nsn 5935-01-230-4525, p/n m85049/51-1-40w for the right angle style

**Precious Material And Location:**

Contact surfaces silver and contact surfaces gold

**Precious Material And Weight:**

0.065 silver grains, troy and 0.016 gold grains, troy

**Precious Material:**

Silver and 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

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A039b0

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

Mil-g-45204 spec.