

View Online at <https://aerobasegroup.com/nsn/5935-00-501-6219>

**Thread Class:**

2a and 2a

**Thread Direction:**

Right-hand and right-hand

**Body Style:**

Straight shape, external coupling

**Overall Length:**

2.312 inches

**Overall Height:**

Between 1.969 inches and 2.031 inches

**Overall Width:**

Between 1.969 inches and 2.031 inches

**Environmental Protection:**

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

**Unthreaded Mounting Hole Diameter:**

Between 0.142 inches and 0.157 inches

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

Between 1.557 inches and 1.567 inches

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

Between 1.557 inches and 1.567 inches

**Distance From Mounting Shoulder To Front Face:**

Between 0.812 inches and 0.843 inches

**Threaded Device Type:**

Back shell and coupling facility

**Mating End Quantity:**

1

**Contact Position Arrangement Style:**

28-1 single mating end

**Contact Removability:**

Nonremovable single mating end all contact groupings

**Contact Maximum Current Rating In Amps:**

73.0 single mating end 1st contact grouping73.0 single mating end 2nd contact grouping41.0 single mating end 3rd contact grouping41.0 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 grouping900.0 single mating end 3rd contact grouping500.0 single mating end 4th contact grouping

**Contact Maximum Dc Voltage Rating In Volts:**

1250.0 single mating end 1st contact grouping700.0 single mating end 2nd contact grouping1250.0 single mating end 3rd contact grouping700.0 single mating end 4th contact grouping

**Polarization Method:**

Keyway or multiple keyway

**Insert Position In Deg:**

0.0

**Shell Type:**

Solid

**Connector Locking Method:**

Externally threaded shell

**Thread Length:**

0.375 inches and 0.625 inches

**Operating Temperature Rating:**

Between -55.0 degrees celsius and 125.0 degrees celsius

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

18 and 18

**Thread Size:**

1.438 inches and 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:**

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 groupinggold single mating end 4th contact grouping and nickel single mating end 4th contact grouping

**Insert Material:**

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

**Terminal Type:**

Solder well 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:**

1 single mating end 1st contact grouping2 single mating end 2nd contact grouping2 single mating end 3rd contact grouping4 single mating end 4th contact grouping

**Included Contact Type:**

Round socket single mating end all contact groupings

**Precious Material And Location:**

Contact surfaces gold and contact surfaces silver

**Precious Material And Weight:**

0.030 gold grains, troy and 0.015 silver grains, troy

**Precious Material:**

Gold and silver

**Test Data Document:**

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A039b0

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

Mil-g-45204 spec.