

View Online at <https://aerobasegroup.com/nsn/5935-01-235-6416>

**Body Style:**

Straight shape, external coupling w/backshell

**Overall Length:**

3.679 inches

**Overall Height:**

2.188 inches

**Overall Width:**

2.188 inches

**Environmental Protection:**

Fungus resistant and heat resistant and cold resistant and vibration resistant and thermal shock resistant and salt water resistant and humidity resistant

**Unthreaded Mounting Hole Diameter:**

0.198 inches

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

1.688 inches

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

1.688 inches

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

2.504 inches

**Mating End Quantity:**

1

**Contact Position Arrangement Style:**

16-14 single mating end

**Contact Removability:**

Removable single mating end single contact grouping

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

500.0 single mating end single contact grouping

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

700.0 single mating end single contact grouping

**Polarization Method:**

Keyway or multiple keyway

**Insert Position In Deg:**

80.0 and 280.0

**Shell Type:**

Solid

**Connector Locking Method:**

Detent

**Operating Temperature Rating:**

Between -65.0 degrees celsius and 175.0 degrees celsius

**Terminal Location:**

Back single mating end single contact grouping

**Contact Material:**

Copper alloy single mating end single contact grouping

**Contact Surface Treatment:**

Gold single mating end single contact grouping

**Insert Material:**

Plastic polytetrafluoroethylene single mating end

**Contact Surface Treatment Specification:**

Mil-g-45204 military specification single treatment response single mating end single contact grouping

**Terminal Type:**

Crimp single mating end single contact grouping

**Shell Material:**

Aluminum alloy

**Shell Surface Treatment:**

Cadmium and chromate

**Shell Surface Treatment Specification:**

Qq-p-416, ty ii, cl 2 federal specification all treatment responses

**Included Contact Quantity:**

37 single mating end single contact grouping

**Included Contact Type:**

Round socket single mating end single contact grouping

**Special Features:**

2-37 insert configuration

**Precious Material And Location:**

Contact surfaces gold

**Precious Material And Weight:**

0.037 gold grains, troy

**Precious Material:**

Gold

**Specification Data:**

81205-289-36507 manufacturers source control

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A039b0

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

Mil-g-45204 spec.