

View Online at <https://aerobasegroup.com/nsn/5935-01-649-1568>

**Thread Class:**

2a and 2a

**Thread Direction:**

Right-hand and right-hand

**Body Style:**

Straight shape, external coupling

**Overall Length:**

33.6 millimeters

**Overall Height:**

36.5 millimeters

**Overall Width:**

36.5 millimeters

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

Between 26.9 millimeters and 29.3 millimeters

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

Between 26.9 millimeters and 29.3 millimeters

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

20.8 millimeters

**Threaded Device Type:**

Back shell and coupling facility

**Mating End Quantity:**

1

**Contact Position Arrangement Style:**

19-32 single mating end

**Contact Removability:**

Removable single mating end single contact grouping

**Polarization Method:**

Keyway or multiple keyway

**Insert Position In Deg:**

0.0 and 80.0 and 180.0 and 215.0 and 298.0

**Shell Type:**

Solid

**Connector Locking Method:**

Externally threaded shell

**End Application:**

Panel, vent c

**Operating Temperature Rating:**

Between -65.0 degrees celsius and 175.0 degrees celsius

**Thread Size:**

28.0 millimeters and 1.250 inches

**Terminal Location:**

Back single mating end single contact grouping

**Terminal Type:**

Crimp single mating end single contact grouping

**Shell Material:**

Aluminum alloy

**Shell Surface Treatment:**

Cadmium

**Thread Tolerance Class:**

6g external

**Included Contact Quantity:**

32 single mating end single contact grouping

**Included Contact Type:**

Round socket single mating end single contact grouping

**Special Features:**

Contacts see m39029/56-351

**Precious Material And Location:**

Contact surface gold

**Precious Material:**

Gold

**Test Data Document:**

81349-mil-dtl-38999 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:**

Iso m and special acme

**Specification Data:**

81349-mil-dtl-38999/20 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

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