

View Online at <https://aerobasegroup.com/nsn/5935-01-281-1564>

**Thread Class:**

2a and 2b and 2a

**Thread Direction:**

Right-hand and right-hand and right-hand

**Body Style:**

Rectangular shape

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

Between 3.011 inches and 3.021 inches

**Overall Height:**

Between 0.851 inches and 0.861 inches

**Overall Width:**

1.328 inches

**Environmental Protection:**

Humidity resistant and shock resistant and thermal shock resistant and vibration resistant

**Unthreaded Mounting Hole Diameter:**

Between 0.122 inches and 0.128 inches

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

Between 0.463 inches and 0.473 inches

**Threaded Device Type:**

Coupling facility and mounting stud

**Mating End Quantity:**

1

**Contact Position Arrangement Style:**

42 single mating end

**Contact Removability:**

Removable single mating end single contact grouping

**Contact Maximum Current Rating In Amps:**

7.5 single mating end single contact grouping

**Polarization Method:**

Jackscrew and shell

**Shell Type:**

Solid

**Connector Locking Method:**

Jackscrew-socket

**Thread Length:**

0.320 inches

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

32 and 32 and 40

**Thread Size:**

0.138 inches and 0.138 inches and 0.112 inches

**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 diallyl phthalate single mating end and glass fiber single mating end

**Contact Surface Treatment Specification:**

Mil-g-45204, type 2, grade c, class 1 military specification single treatment response single mating end single contact grouping

**Terminal Type:**

Crimp single mating end single contact grouping

**Contact Material Specification:**

Qq-c-530 federal specification single material response single mating end single contact grouping or qq-c-533 federal specification single material response single mating end single contact grouping

**Shell Material:**

Aluminum alloy

**Shell Surface Treatment:**

Cadmium and chromate

**Shell Surface Treatment Specification:**

Qq-p-416, type 2, cl 1 or cl 2 federal specification all treatment responses

**Insert Material Specification:**

Mil-m-14, ty sdg-f military specification all material responses single mating end and mil-p-19833, tygdi-30f military specification all material responses single mating end

**Shell Guide Type And Location Designator:**

A slot

**Included Contact Quantity:**

42 single mating end single contact grouping

**Included Contact Type:**

Round socket single mating end single contact grouping

**Special Features:**

Furnished items - mounting plate

**Precious Material And Location:**

Contact surfaces gold

**Precious Material And Weight:**

0.042 gold grains, troy

**Precious Material:**

Gold

**Test Data Document:**

81349-mil-c-28748 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:**

Unc and unc and unc

**Specification Data:**

81349-mil-c-28748/4 government specification

**Shelf Life:**

**Demilitarization:**

No

**Fig:**

A039b0

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

Mil-g-45204 spec.