

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

Thready 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.