

View Online at <https://aerobasegroup.com/nsn/5935-00-050-5176>

Thread Class:

2a

Thread Direction:

Right-hand

Body Style:

Straight shape, external coupling strain relief

Overall Length:

2.322 inches

Overall Height:

2.750 inches

Overall Width:

2.750 inches

Environmental Protection:

Moisture proof and salt water resistant and vibration resistant

Unthreaded Mounting Hole Diameter:

0.173 inches

Center To Center Distance Between Mounting Facilities Parallel To Height:

2.188 inches

Distance Between Centerlines Of Mounting Facilities Parallel To Body Width:

2.188 inches

Cable Entrance Diameter:

1.562 inches

Distance From Mounting Shoulder To Front Face:

0.750 inches

Threaded Device Type:

Back shell

Mating End Quantity:

1

Contact Position Arrangement Style:

40-5 single mating end

Contact Removability:

Nonremovable single mating end all contact groupings

Contact Maximum Current Rating In Amps:

73.0 single mating end 3rd contact grouping

Contact Maximum Ac Voltage Rating In Volts:

500.0 single mating end all contact groupings

Contact Maximum Dc Voltage Rating In Volts:

700.0 single mating end all contact groupings

Polarization Method:

Keyway or multiple keyway

Insert Position In Deg:

0.0

Shell Type:

Solid

Connector Locking Method:

Externally threaded shell

Connector Cable Strain Relief Method:

Compression nut

Thread Qty Per Inch (tpi):

16

Thread Size:

2.500 inches

Terminal Location:

Back single mating end all contact groupings

Contact Surface Treatment:

Gold single mating end all contact groupings and nickel single mating end all contact groupings

Contact Surface Treatment Specification:

Mil-g-45204, type 1, grade b military specification 1st treatment response single mating end all contact groupings and qq-n-290, cl 1, grade b federal specification 2nd treatment response single mating end all contact groupings

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:

6 single mating end 4th contact grouping

Included Contact Type:

Round socket single mating end all contact groupings

Precious Material And Location:

Contact surfaces gold

Precious Material And Weight:

0.075 gold grains, troy

Precious Material:

Gold

Test Data Document:

81349-mil-c-5015 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:

Uns

Specification Data:

96906-ms3100 government standard

Shelf Life:

N/a

Demilitarization:

No

Fig:

A039b0

Mil-std (military Standard):

Mil-g-45204 spec.