Electrical Receptacle Connector - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5935-01-255-3932

### Thread Class:

2a and 2a

### **Thread Direction:**

Right-hand and right-hand

### Body Style:

Straight shape, external coupling

### **Overall Length:**

2.125 inches

#### **Overall Height:**

2.500 inches

**Overall Width:** 

2.500 inches

### **Environmental Protection:**

Moisture proof and salt water resistant and vibration proof

### **Unthreaded Mounting Hole Diameter:**

### Between 0.168 inches and 0.183 inches

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

1.938 inches

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

1.938 inches

### Distance From Mounting Shoulder To Front Face:

Between 0.875 inches and 0.906 inches

### **Threaded Device Type:**

Back shell and coupling facility

### Mating End Quantity:

1

# **Contact Position Arrangement Style:**

36-52 single mating end

# Contact Removability:

Removable single mating end single contact grouping

### **Contact Maximum Current Rating In Amps:**

22.0 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:

0.0

Shell Type:

Solid



Connector Locking Method:

Externally threaded shell

### **Thread Length:**

0.625 inches and 0.290 inches

### Thready Qty Per Inch (tpi):

18 and 18

### Thread Size:

2.250 inches and 2.250 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:**

Rubber synthetic 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, type 2, cl 3 federal specification all treatment responses

### Included Contact Quantity:

52 single mating end single contact grouping

### Included Contact Type:

Round pin single mating end single contact grouping

### **Special Features:**

In order to complete the connector assembly, the user must obtain/provide the backshell; standard versions may be ordered as nsn 5935-01-180-6739, p/n m85049/52-1-36w for the straight style, or nsn 5935-01-199-7307, p/n m85049/51-1-36w for the right angle style

### **Precious Material And Location:**

Contact surfaces gold

### **Precious Material And Weight:**

0.052 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:**

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Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

A039b0

# Mil-std (military Standard):

Mil-g-45204 spec.