# NSN 5935-01-250-9516

Electrical Receptacle Connector - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5935-01-250-9516

**Thread Class:** 2a and 2a **Thread Direction:** Right-hand and right-hand **Body Style:** Straight shape, external coupling **Overall Length:** 2.500 inches **Overall Height:** 2.000 inches **Overall Width:** 2.000 inches **Environmental Protection:** Moisture proof and salt water resistant and vibration proof **Unthreaded Mounting Hole Diameter:** Between 0.142 inches and 0.157 inches Center To Center Distance Between Mounting Facilities Parallel To Height: 1.562 inches Distance Between Centerlines Of Mounting Facilities Parallel To Body Width: 1.562 inches **Distance From Mounting Shoulder To Front Face:** Between 0.812 inches and 0.843 inches **Threaded Device Type:** Back shell and coupling facility **Mating End Quantity:** 1 **Contact Position Arrangement Style:** 28-3 single mating end **Contact Removability:** Removable single mating end single contact grouping **Contact Maximum Current Rating In Amps:** 73.0 single mating end single contact grouping **Contact Maximum Ac Voltage Rating In Volts:** 1250.0 single mating end single contact grouping **Contact Maximum Dc Voltage Rating In Volts:** 1750.0 single mating end single contact grouping **Polarization Method:** Keyway or multiple keyway **Insert Position In Deg:** 0.0 Shell Type: Solid

# NSN 5935-01-250-9516

Electrical Receptacle Connector - Page 2 of 3



#### **Connector Locking Method:**

Externally threaded shell

Thread Length:

0.467 inches and 0.625 inches

Thready Qty Per Inch (tpi):

18 and 18

**Thread Size:** 

1.750 inches and 1.750 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:** 

3 single mating end single contact grouping

**Included Contact Type:** 

Round socket 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 5935-01-189-3225, p/n m85049/52-1-28w for the straight style, or nsn 5935-01-174-3672, p/n m85049/51-1-28w for the right angle style

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

Contact surfaces gold

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

0.015 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 and uns

# NSN 5935-01-250-9516

Electrical Receptacle Connector - Page 3 of 3



Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No
Fiig:
A039b0
Mil-std (military Standard):

Mil-g-45204 spec.