

# Connector, Plug, Electrical

5935-00-059-4487

NSN 5935-00-059-4487 · NIIN 000594487

FSC 5935 — Connectors, Electrical · FSG 59 — Electrical and Electronic Equipment Components

GOVERNMENT RECORD, CITED

ALSO SEARCHED AS 5935-00-059-4487 · 5935000594487 · NIIN 000594487 · 00-059-4487 · FSC 5935 Connectors, Electrical · 69-6R20-7S100 · CA3106RX20-7S · 69-6R20-7S100

NEARBY STOCK NUMBERS ← 5935-00-059-4486 Connector, Receptacle, Electrical · 5935-00-059-4489 Connector, Plug, Electrical →

## FEATURES

- Connector,plug,electrical — FSC 5935
- Contact Maximum Current Rating in Amps: 22.0 SINGLE MATING END ALL CONTACT GROUPINGS
- Connector Locking Method: INTERNALLY THREADED COUPLING RING
- Shell Type: SOLID
- Body Style: STRAIGHT SHAPE, INTERNAL COUPLING W/BACKSHELL
- Terminal Type: CRIMP SINGLE MATING END ALL CONTACT GROUPINGS
- Nominal Thread Length: 0.562 INCHES IN
- Contact Material: COPPER ALLOY SINGLE MATING END ALL CONTACT GROUPINGS

## IDENTIFICATION

- NSN: 5935-00-059-4487
- NIIN: 000594487
- FSC: 5935 — Connectors, Electrical
- FSG: 59 — Electrical and Electronic Equipment Components

## GENERAL DESCRIPTION

The Connector,plug,electrical, cataloged under National Stock Number 5935-00-059-4487, is classified within Federal Supply Class 5935 (Connectors, Electrical) of the Electrical and Electronic Equipment Components group. Government technical data includes 29 specifications, cited from the U.S. Government catalog. 3 additional reference documents (drawings, advisory and superseded references) are recorded in the U.S. Government catalog. Current acquisition status: Active.

## TECHNICAL SPECIFICATIONS

| PARAMETER                              | VALUE                                                |
|----------------------------------------|------------------------------------------------------|
| NSN                                    | 5935-00-059-4487                                     |
| Item Name                              | Connector,plug,electrical                            |
| FSC / FSG                              | 5935 / 59 — Connectors, Electrical                   |
| Status                                 | ACTIVE                                               |
| Contact Maximum Current Rating in Amps | 22.0 SINGLE MATING END ALL CONTACT GROUPINGS         |
| Connector Locking Method               | INTERNALLY THREADED COUPLING RING                    |
| Shell Type                             | SOLID                                                |
| Body Style                             | STRAIGHT SHAPE, INTERNAL COUPLING W/BACKSHELL        |
| Terminal Type                          | CRIMP SINGLE MATING END ALL CONTACT GROUPINGS        |
| Nominal Thread Length                  | 0.562 INCHES IN                                      |
| Contact Material                       | COPPER ALLOY SINGLE MATING END ALL CONTACT GROUPINGS |
| Overall Diameter                       | 1.891 INCHES NOMINAL IN                              |
| Mating End Quantity                    | 1                                                    |
| Precious Material                      | GOLD                                                 |
| Contact Position Arrangement Style     | 20-7 SINGLE MATING END                               |

| PARAMETER                                             | VALUE                                                                                                                                                           |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shell Surface Treatment                               | CADMIUM AND CHROMATE                                                                                                                                            |
| Insert Position in Deg                                | 0.0                                                                                                                                                             |
| Insert Material Document and Classification           | MIL-R-3065 MIL SPEC SINGLE MATERIAL RESPONSE SINGLE MATING END                                                                                                  |
| Precious Material and Weight                          | 0.008 GOLD GRAINS, TROY                                                                                                                                         |
| Terminal Location                                     | BACK SINGLE MATING END ALL CONTACT GROUPINGS                                                                                                                    |
| Included Contact Quantity                             | 4 SINGLE MATING END SECOND CONTACT GROUPING                                                                                                                     |
| Included Contact Quantity                             | 4 SINGLE MATING END FIRST CONTACT GROUPING                                                                                                                      |
| Shell Surface Treatment Document and Classification   | QQ-P-416,TYPE 2,CLASS 3 FED SPEC ALL TREATMENT RESPONSES                                                                                                        |
| Thread Direction                                      | RIGHT-HAND                                                                                                                                                      |
| Nominal Thread Size                                   | 1.250 INCHES IN                                                                                                                                                 |
| Operating Temp Rating                                 | -55.0 CELSIUS MINIMUM AND 125.0 CELSIUS MAXIMUM DEGC                                                                                                            |
| Included Contact Type                                 | ROUND SOCKET SINGLE MATING END ALL CONTACT GROUPINGS                                                                                                            |
| Contact Maximum AC Voltage Rating in Volts            | 900.0 SINGLE MATING END SECOND CONTACT GROUPING                                                                                                                 |
| Contact Maximum AC Voltage Rating in Volts            | 500.0 SINGLE MATING END FIRST CONTACT GROUPING                                                                                                                  |
| Polarization Method                                   | KEYWAY OR MULTIPLE KEYWAY                                                                                                                                       |
| Contact Surface Treatment Document and Classification | MIL-G-45204,TYPE 2,GRADE C,CLASS 1 MIL SPEC 1ST TREATMENT RESPONSE AND QQ-N-290,CLASS 2 FED SPEC 2ND TREATMENT RESPONSE SINGLE MATING END ALL CONTACT GROUPINGS |
| Environmental Protection                              | MOISTURE PROOF AND SALT WATER RESISTANT AND VIBRATION PROOF AND SHOCK RESISTANT AND COLD RESISTANT AND HEAT RESISTANT AND EXPLOSION PROOF                       |
| Precious Material and Location                        | CONTACT SURFACES GOLD                                                                                                                                           |

LIFECYCLE & COMPLIANCE

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Acquisition Status | ACTIVE                                             |
| DEMIL Code         | DEMIL A – NO DEMILITARIZATION REQUIRED             |
| Hazard             | POSSIBLE HAZARD – SDS MAY BE REQUIRED (DLA HMIC P) |
| Criticality Code   | X                                                  |

CROSS-REFERENCE INDEX

No manufacturer part numbers on file in the U.S. Government catalog.

REFERENCE DOCUMENTS

| REFERENCE     | MEANING                                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------|
| 69-6R20-7S100 | <div>C/1</div> Advisory reference — outside the item-of-supply concept<br>Amphenol Corp Div Amphenol Aerospace Operations |
| CA3106RX20-7S | <div>5/1</div> Secondary reference<br>Itt Cannon Llc                                                                      |
| 69-6R20-7S100 | <div>3/9</div> Design control — primary reference<br>Amphenol Corp Spectra-Strip/itd                                      |

No interchangeability data on file.

OTHER ITEMS IN FSC 5935 — CONNECTORS, ELECTRICAL

Items in the same Federal Supply class. No interchangeability or substitution relationship is implied.

|                                                                     |                                                                     |                                                                     |                                                                     |
|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>5935-00-000-8180</b><br>5935-00-000-8180 · Item name not on file | <b>5935-00-001-1344</b><br>5935-00-001-1344 · Item name not on file | <b>5935-00-001-1347</b><br>5935-00-001-1347 · Item name not on file | <b>5935-00-001-1350</b><br>5935-00-001-1350 · Item name not on file |
| <b>5935-00-001-1351</b><br>5935-00-001-1351 · Item name not on file | <b>5935-00-001-1353</b><br>5935-00-001-1353 · Item name not on file | <b>5935-00-001-1627</b><br>BACKSHELL,ELECTRICAL CONNECTOR           | <b>5935-00-001-1628</b><br>5935-00-001-1628 · Item name not on file |

FREQUENTLY ASKED QUESTIONS

**What is NSN 5935-00-059-4487?**

NSN 5935-00-059-4487 is a Connector,plug,electrical, classified under FSC 5935, Connectors, Electrical. Status: active.

**What are the specifications of 5935-00-059-4487?**

Key specifications for 5935-00-059-4487: Contact Maximum Current Rating in Amps: 22.0 SINGLE MATING END ALL CONTACT GROUPINGS; Connector Locking Method: INTERNALLY THREADED COUPLING RING; Shell Type: SOLID; Body Style: STRAIGHT SHAPE, INTERNAL COUPLING W/BACKSHELL. 29 specifications are documented in the U.S. Government catalog.

**Is NSN 5935-00-059-4487 hazardous material?**

Possible hazard — SDS may be required (DLA HMIC P). Hazard information on this page is shown exactly as it appears in the DLA record.

**SOURCES**

U.S. Government catalog: edition PUBLOGDVD v12.0.0 (OCT 2026), edition date 2026-10-01, retrieved 2026-10-16.

U.S. Government catalog: edition PUBLOGDVD v12.0.0 (OCT 2026), edition date 2026-10-01, retrieved 2026-10-18.

**PartsTable — the parts reference. Every fact cited to its source.**

[partstable.com/parts/5935-00-059-4487](https://partstable.com/parts/5935-00-059-4487)

✓ Data cited from the U.S. Government catalog; commercial cross-references from OEM and certified industry sources.

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