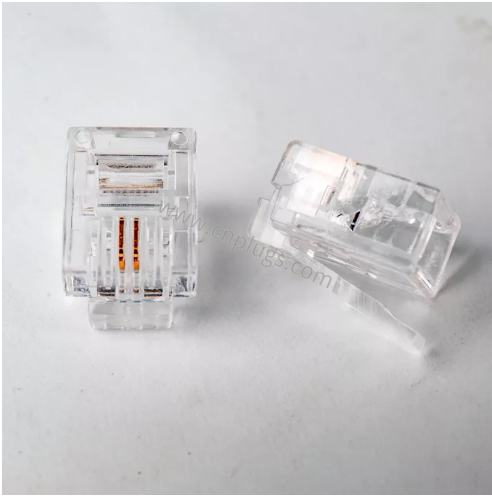


RJ11 Plugs (4P4C / 6P4C)

RJ11 6P2C Modular Telephone Plug, Gold-Plated Contacts, Clear PC (OEM Bulk)



Key specifications

Product Type	6P2C Telephone Modular Plug (telephone plug)
Interface Standard	RJ11 (6P2C)
Contact Positions	6 positions / 2 contacts (center pair, pins 3-4)
Contact Material	Phosphor bronze, gold plated

Product summary

- 6P2C configuration: 6 positions, 2 gold-plated contacts — standard RJ11 telephone plug
- Designed for single-line telephony, fax machines, ADSL/VDSL modems, and analog phone wiring
- Transparent polycarbonate (PC) housing for fast, error-free wire sequence inspection
- 3-prong phosphor bronze contacts with thick gold plating for low resistance and corrosion resistance
- UL 94V-2 flame-retardant housing material, RoHS & CE compliant
- Crimp termination for solid or stranded telephone cable, compatible with standard RJ11 crimp tools
- Factory-direct pricing with OEM/ODM support, custom packaging, and fast lead times

Product page:

<https://www.cnplugs.com/product/rj11-6p2c-gold-plated-telephone-modular-plug/>

Category: RJ11 Plugs (4P4C / 6P4C)

Contact & technical support

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Product details

RJ11 6P2C Telephone Modular Plug - Gold-Plated Contacts, PROUNTA

Each contact is stamped from phosphor bronze and finished with a durable gold plating that resists oxidation and keeps contact resistance low over thousands of mating cycles. The transparent polycarbonate housing lets installers visually confirm correct wire placement before crimping, which dramatically reduces assembly errors on the production line or in the field.

Key Features and Benefits

- **Standard 6P2C / RJ11 Interface:** 6 contact positions with 2 center contacts, the industry-standard configuration for a single telephone line.
- **Gold-Plated 3-Prong Contacts:** Phosphor bronze pins with thick gold plating provide superior conductivity, corrosion resistance, and long service life.
- **Transparent PC Housing:** Clear polycarbonate body allows quick visual verification of wire sequence and seating before crimping.
- **Flame-Retardant Material:** UL 94V-2 rated housing for safe installation in residential and commercial wiring.
- **Wide Cable Compatibility:** Terminates flat or round telephone cable with 24–28AWG solid or stranded conductors.
- **Fully Customizable:** OEM/ODM support including custom color, logo printing, and packaging to match your brand.

Applications

The 6P2C telephone plug is the everyday workhorse of analog voice and legacy data connections. Typical installations include:

- Landline telephone sets and extension wiring
- Fax machines and multifunction office devices
- ADSL / VDSL broadband modems and DSL filters
- PBX / PABX telephone switching systems
- Burglar and fire alarm control panels
- Custom OEM telephone cables and harness assemblies

This plug complements the broader PROUNTA telecom range. If you need multi-line or other connector variants, explore our [6P4C RJ11 telephone plugs](#), [extended long-body RJ11 plugs](#), or the full [telecom connectors category](#).

What does 6P2C mean? "6P2C" stands for 6 positions and 2 contacts. The plug body has six slots, but only the two center positions are fitted with gold-plated contacts. This is the standard configuration for a single telephone line (RJ11), where the center pair carries the Tip and Ring signals. Multi-line applications use 6P4C (two lines) or 6P6C (three lines) variants.

Is this plug compatible with my telephone cable? Yes. The 6P2C plug crimps onto standard flat or round telephone cable using 24–28AWG solid or stranded conductors. Simply insert the center two wires into the correct positions and crimp with any standard RJ11 crimping tool.

What is the difference between RJ11 and RJ12? Both use the same 6-position body. RJ11 typically refers to 6P2C or 6P4C (one or two lines), while RJ12 is the 6P6C version with all six contacts loaded for three lines. Our [telecom connector range](#) covers these configurations to suit different wiring needs.

Is the product compliant with safety and environmental standards? Yes. The housing is UL 94V-2 flame-retardant polycarbonate, and the product is RoHS, REACH, and CE compliant. For a deeper technical background on these connector types, see the [modular connector](#) and [registered jack \(RJ\)](#) articles on Wikipedia.

Technical specifications

Specification	Published value
Product Type	6P2C Telephone Modular Plug (telephone plug)
Interface Standard	RJ11 (6P2C)
Contact Positions	6 positions / 2 contacts (center pair, pins 3–4)
Contact Material	Phosphor bronze, gold plated
Contact Type	3-prong insulation-displacement (IDC)
Housing Material	Transparent polycarbonate (PC)
Wire Gauge	24 – 28 AWG (solid or stranded)
Cable Type	Flat or round telephone cable
Termination Method	Crimp with standard RJ11 crimp tool
Rated Current	1.5 A maximum
Rated Voltage	125 V AC
Insulation Resistance	≥ 500 MΩ
Contact Resistance	≤ 20 mΩ
Durability	≥ 750 mating cycles
Operating Temperature	-20°C to +60°C
Compliance	RoHS, REACH, CE

Specification	Published value
Applications	Telephone sets, fax machines, ADSL/VDSL modems, PABX systems, alarm panels