4P Brass Crimp Terminal Connectors - 2.54mm Industrial Grade JW-TC01

Model No. JW-TC01



SPECIFICATIONS

Model	4P brass terminal socket connector
Material	Brass, phosphor copper, beryllium copper, stainless steel SUS304/301
Surface Treatment	Tin plating, nickel plating, silver plating, gold plating
MOQ	15000pcs
Certification	UL, SGS, MSDS, CE, ISO9001, ROHS, REACH, CQC, TUV
Production Equipment	High-speed precision continuous punching machine, electric injection molding machine
Testing Equipment	High-precision projector, 2.5-dimensional tester, tensile tester, hardness tester

The JW-TC01 is a 2.54 mm pitch, 4-position brass terminal socket supplied on stamped carrier strip, for crimping onto harness wire and mating with a standard 4-pin 2.54 mm header. Terminals are produced in brass, phosphor copper, beryllium copper or stainless steel SUS304/301, with tin, nickel, silver or gold plating, and the minimum order is 15,000 pcs.

Contact loss in a 2.54 mm connector usually starts at the interface: a single flat tongue wipes a thin oxide film off the mating pin, the film returns, and resistance creeps up until the joint fails a thermal cycle. The socket on the JW-TC01 is formed as a folded cage spring rather than a flat tongue, so the mating pin is gripped over its length and the contact stays seated under vibration. Plating is applied over the formed part and the lot is inspected on a high-precision projector, a 2.5D tester, a tensile tester and a hardness tester before packing.

Inside the JW-TC terminal family the JW-TC01 is the 2.54 mm, 4-position socket at a 15,000 pcs minimum; the JW-TC02 is the 5.08/4.2 mm 4-pin round-pin terminal at 1,000 pcs, the JW-TC03 is the 5.08 mm solderless tube plug at 8,000 pcs, and the JW-TC04 is the 4.2 mm crimp terminal for Molex Mini-Fit Jr housings. The 2.54 mm part is the one to specify where the board-side header pitch is 2.54 mm; the 5.08 mm parts are for speaker and power links carrying heavier current.

Key Features

1. 2.54 mm pitch with 4 positions, crimped to discrete wire and mated to a standard 4-pin 2.54 mm header.

2. Base metal selectable across brass, phosphor copper, beryllium copper and stainless steel SUS304/301, so spring retention and corrosion resistance can be traded against cost.

3. Four plating options - tin, nickel, silver, gold - chosen for solderability, mating wear or low contact resistance.

4. Supplied on continuous carrier strip from high-speed precision continuous punching, so the part runs in a strip-fed crimp applicator without de-reeling by hand.

5. Inspection on high-precision projector, 2.5D tester, tensile tester and hardness tester, covering geometry and crimp pull-out before shipment.

6. Certified to UL, SGS, MSDS, CE, ISO9001, RoHS, REACH, CQC and TUV, with OEM/ODM production from drawing at a 15,000 pcs MOQ.

Technical Specifications

Parameter	Specification
Model	JW-TC01
Terminal type	4P brass terminal socket connector
Pitch	2.54 mm
Material	Brass, phosphor copper, beryllium copper, stainless steel SUS304/301
Surface treatment	Tin plating, nickel plating, silver plating, gold plating
MOQ	15,000 pcs
Certification	UL, SGS, MSDS, CE, ISO9001, RoHS, REACH, CQC, TUV
Production equipment	High-speed precision continuous punching machine, electric injection molding machine
Testing equipment	High-precision projector, 2.5D tester, tensile tester, hardness tester

Applications

— Appliance control boards: 4-pin signal and low-power harness terminations on 2.54 mm headers.

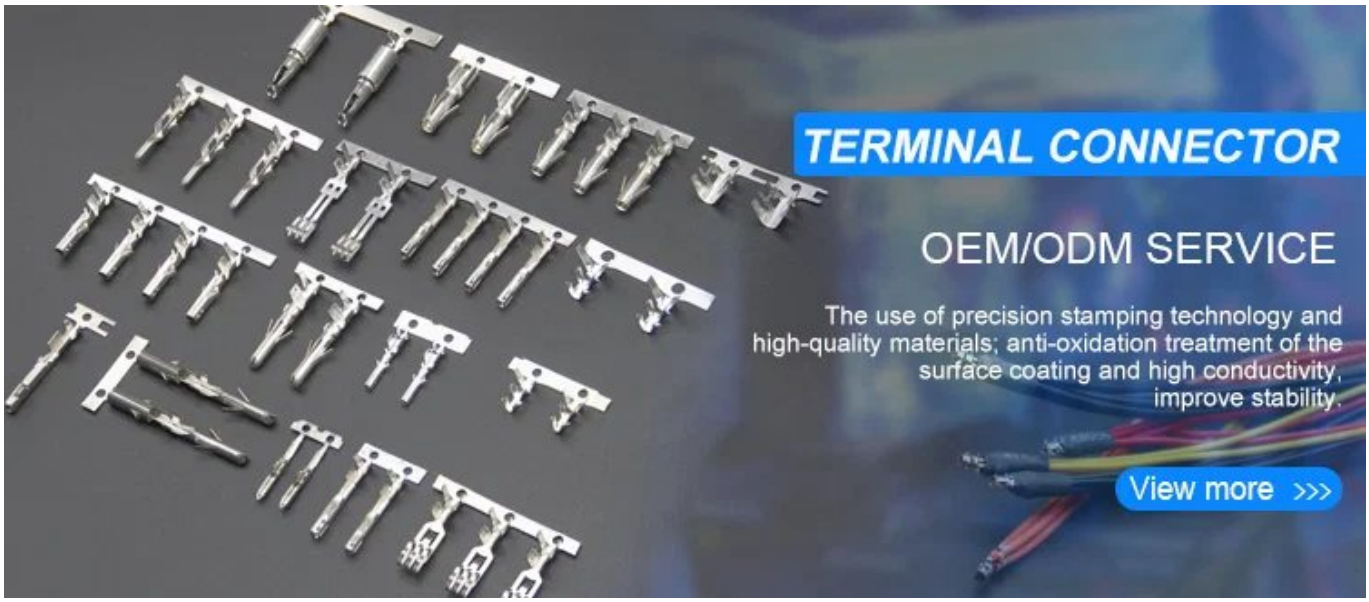
— LED drivers and power supplies: crimped output leads plugged onto 2.54 mm board connectors.

— Industrial control and instrumentation: sensor and relay wiring looms using a 4-position pluggable link.

— Audio and set-top equipment: internal harness terminations with gold plating specified for low-level signals.

— Cable assembly subcontractors: strip-crimp termination of 4-core cable on reel-fed applicators.

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OEM/ODM SERVICE
The use of precision stamping technology and high-quality materials; anti-oxidation treatment of the surface coating and high conductivity, improve stability.
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