Stainless Steel/Copper Stamping Terminal Connectors - Custom OEM JW-TC05

Model No. JW-TC05



SPECIFICATIONS

Material	Brass, phosphor copper, beryllium copper, stainless steel SUS304/301
Surface Treatment	Tin plating, nickel plating, silver plating, gold plating
MOQ	8000pcs
Color	Material primary color, gold, silver
Oxidation Test	Salt spray test
Electroplating Process	First punching then plating, first plating then punching
Production Equipment	Imported Japanese high-speed precision continuous punching machines, high-speed electric injection molding machines
Testing Equipment	High-precision projector, 2.5-dimensional tester, tensile tester, hardness tester, ROHS tester
Certifications	UL, SGS, MSDS, CE, ISO9001, ROHS, REACH, CQC, TUV, PAHS, PFOS, PFOA

The JW-TC05 is a stamped terminal connector made to drawing, in stainless steel or copper alloy, for automotive and PCB applications where the catalogue geometry does not fit. Base metal is brass, phosphor copper, beryllium copper or stainless steel SUS304/301, with tin, nickel, silver or gold plating, at a minimum order of 8,000 pcs.

A custom terminal fails for reasons that have nothing to do with the drawing: the plating builds up on the contact face after the part is formed, the sheared edge is left bare and corrodes, or the stamping burr scores the mating pin. The JW-TC05 is quoted with the plating route as a process decision - first punching then plating leaves the sheared edge covered, while first plating then punching keeps the contact area free of plating build-up at the cut. Parts are run on imported Japanese high-speed precision continuous punching machines, with injection moulding available for overmoulded versions, and each lot is checked on projector, 2.5D tester, tensile tester, hardness tester and RoHS tester.

The difference from JW-TC01 through JW-TC04 is that those are fixed catalogues: 2.54 mm 4-position, 5.08/4.2 mm 4-pin, 5.08 mm tube plug and 4.2 mm Mini-Fit. JW-TC05 has no fixed pitch, because the geometry comes from the customer drawing - the constant is the material and plating set, the salt-spray check and the 8,000 pcs tooling quantity.

Key Features

1. Geometry produced to customer drawing, with no catalogue pitch constraint, so a terminal can be matched to an existing housing cavity.

2. Two plating routes offered: first punching then plating, which covers the sheared edge, or first plating then punching, which keeps the contact area clear at the cut.

3. Base metal in brass, phosphor copper, beryllium copper or stainless steel SUS304/301, covering both spring contacts and corrosion-resistant bodies.

4. Tin, nickel, silver and gold plating, with colour as material, gold or silver for plating identification on the line.

5. Salt spray test as the oxidation check, with a RoHS tester in the inspection set alongside projector, 2.5D tester, tensile tester and hardness tester.

6. Run on imported Japanese high-speed precision continuous punching machines, with high-speed electric injection moulding for overmoulded parts, at 8,000 pcs MOQ.

7. Certified to UL, SGS, MSDS, CE, ISO9001, RoHS, REACH, CQC, TUV, PAHS, PFOS and PFOA.

Technical Specifications

Parameter	Specification
Model	JW-TC05
Product type	Custom stamped terminal connector (OEM)
Material	Brass, phosphor copper, beryllium copper, stainless steel SUS304/301
Surface treatment	Tin plating, nickel plating, silver plating, gold plating
Color	Material primary color, gold, silver
Oxidation test	Salt spray test
Electroplating process	First punching then plating; first plating then punching
MOQ	8,000 pcs
Production equipment	Imported Japanese high-speed precision continuous punching machines, high-speed electric injection molding machines
Testing equipment	High-precision projector, 2.5D tester, tensile tester, hardness tester, RoHS tester
Certifications	UL, SGS, MSDS, CE, ISO9001, RoHS, REACH, CQC, TUV, PAHS, PFOS, PFOA

Applications

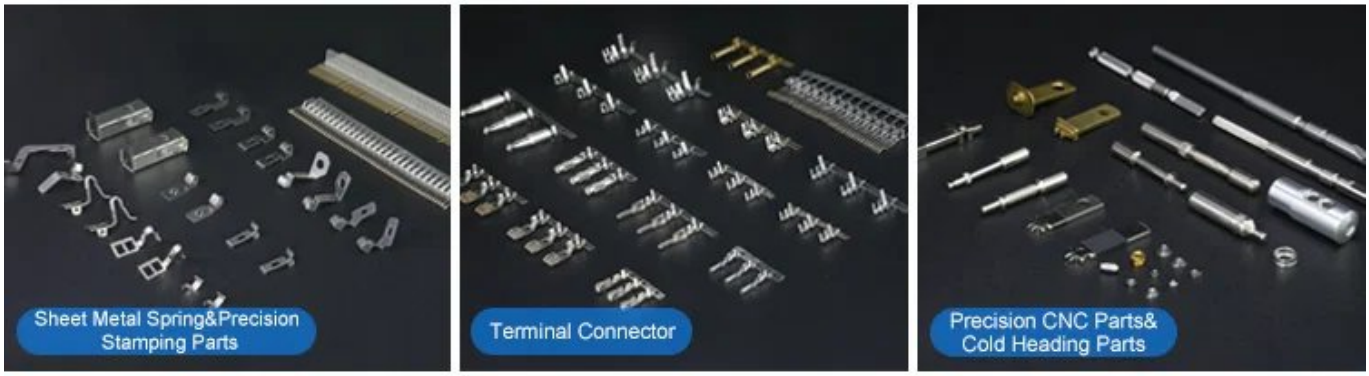
— Automotive harnesses: non-standard terminal bodies for body, lighting and sensor connectors on a vehicle-specific loom.

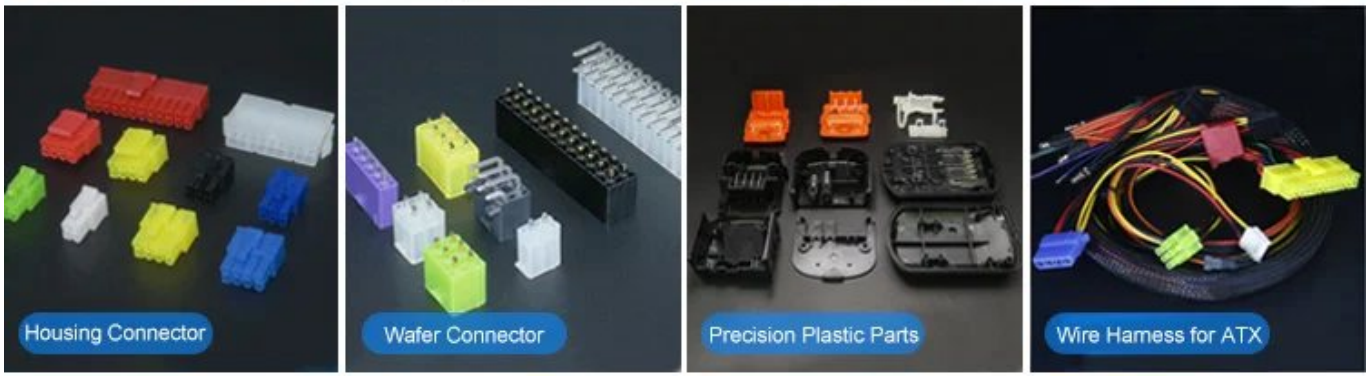
— PCB assemblies: stamped pins and tabs for board-level connection where no standard header fits the footprint.

— Appliance and power tool wiring: custom blade or receptacle terminals matched to an existing housing.

— Instrument and control enclosures: earth and shield terminals stamped to suit a particular chassis cut-out.

— OEM replacement programmes: second-source stamping of a terminal already specified on a customer drawing.


Sheet Metal Spring&Precision Stamping Parts
Terminal Connector
Precision CNC Parts& Cold Heading Parts


Housing Connector
Wafer Connector
Precision Plastic Parts
Wire Harness for ATX

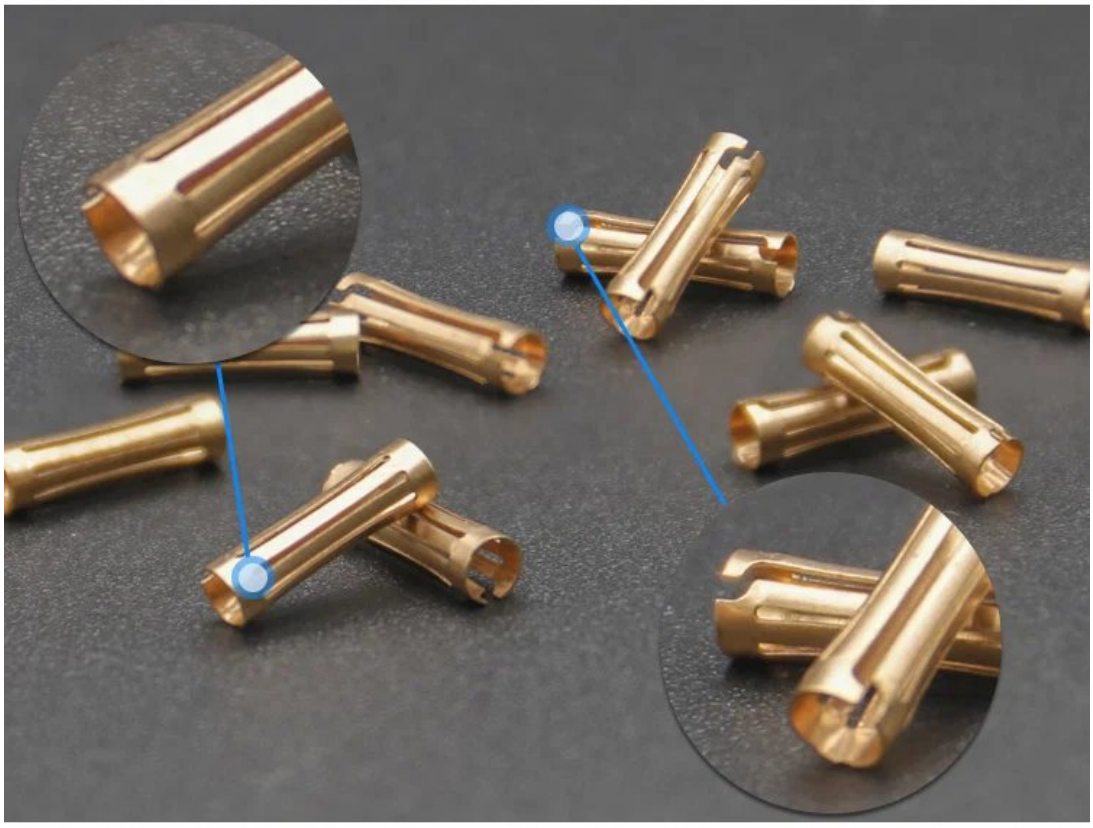

TERMINAL CONNECTOR
OEM&ODM SERVICE
STRENGTH FACTORY



PRODUCTS REAL SHOT

Angle





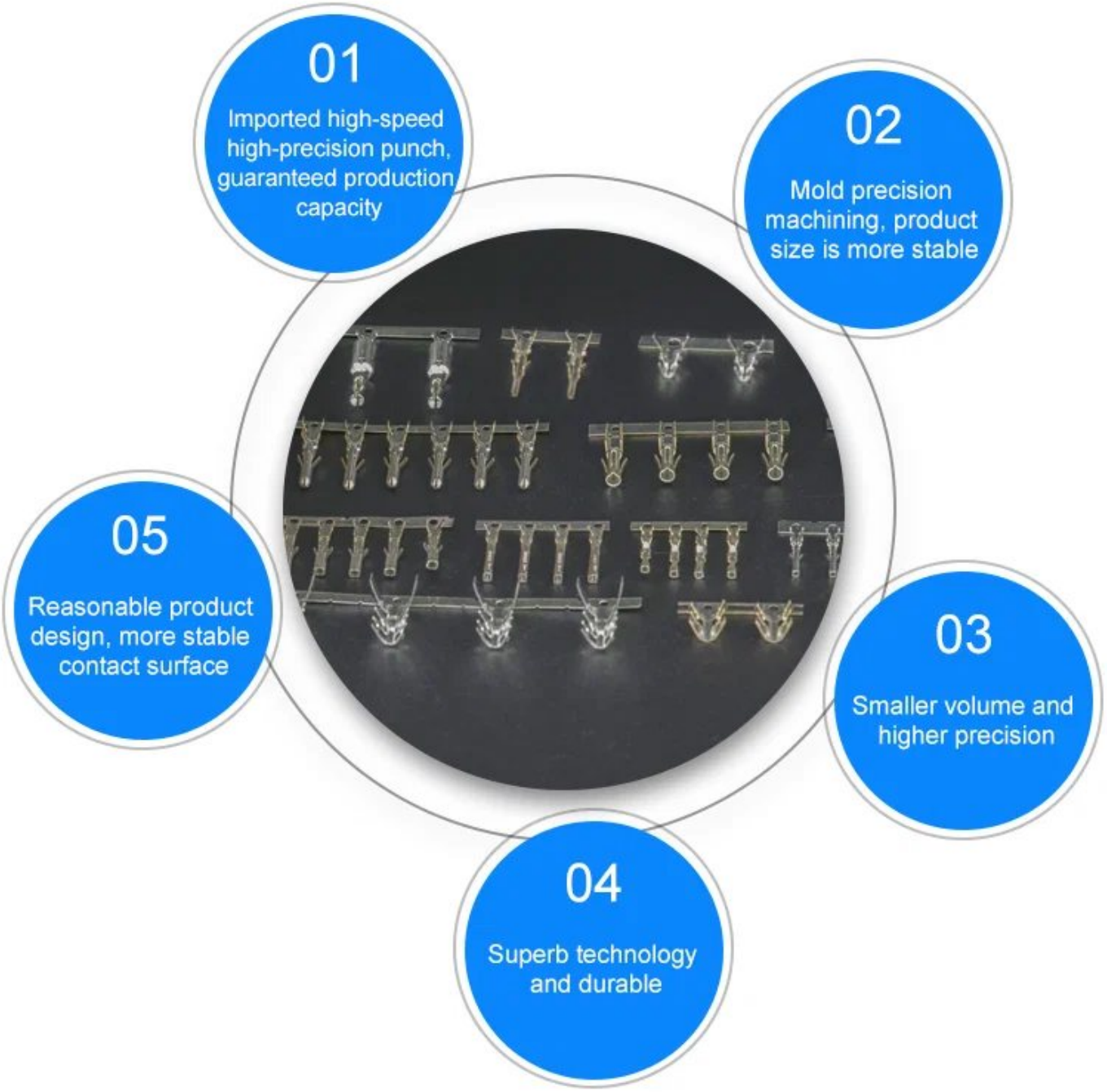
PACKAGING DISPLAY

Package



ADVANTAGES

Feature



APPLICATION

Range

