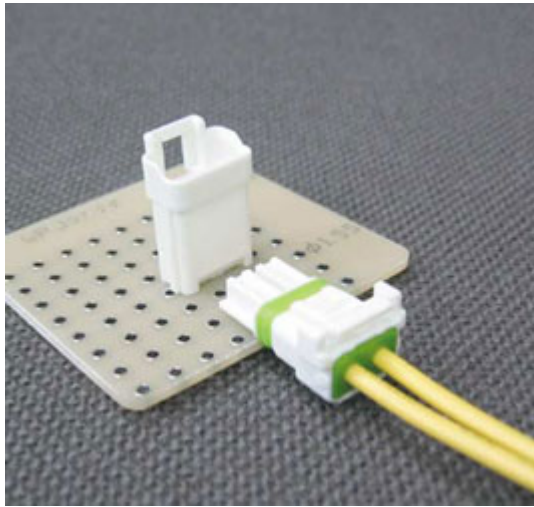


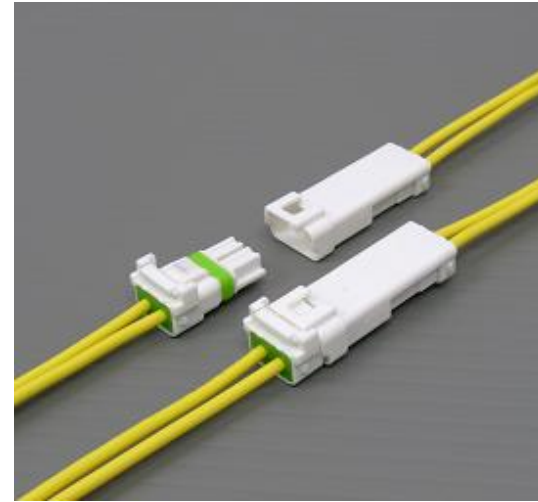
WPJ Connector

To introduce the WPJ wire-to-board and wire-to-wire, crimp style, waterproof connector series.

WPJ Connector



Wire-to-Board



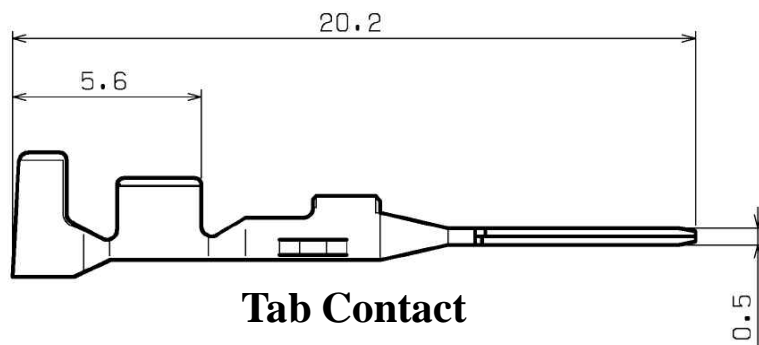
Wire-to-Wire

The WPJ series, crimp-style connectors are available for both wire-to-board and wire-to-wire applications. This compact connector can be used for both waterproof and non-waterproof applications. Waterproof applications use a rubber seal and have a grade seven ingress protection rating. Both waterproof and non-waterproof receptacles use the same header. The connector series is on a 5.0mm (.197") pitch and molded in RoHS compliant 94V-0 material. For applications requiring the use of more than one connector of the same position count there are three different keying patterns to prevent mis-insertion. The connector has a secure inner housing locking feature, and is rated at 7A AC/DC (using 18AWG) at 300V. The series has an operating temperature range of -25°C to +85°C and is offered in 2 and 3 circuits.

WPJ Connector

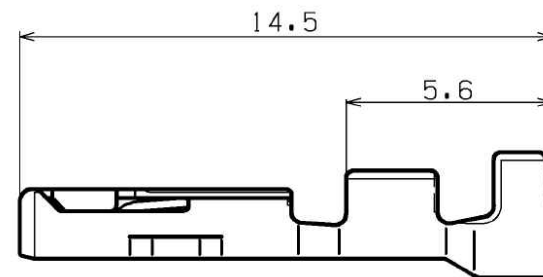
crimp style contacts

Model No.	Wire size	Insulation outer dia.
SWPJT-21T-P0.5	AWG #22 ~ #18	$\phi 2.32 \sim \phi 2.83$ mm
SWPJR-21T-M0.5		
SWPJT-21T-P0.5A		$\phi 1.52 \sim \phi 2.03$ mm
SWPJR-21T-M0.5A		



Tab Contact

SWPJT-21T-P0.5(A)



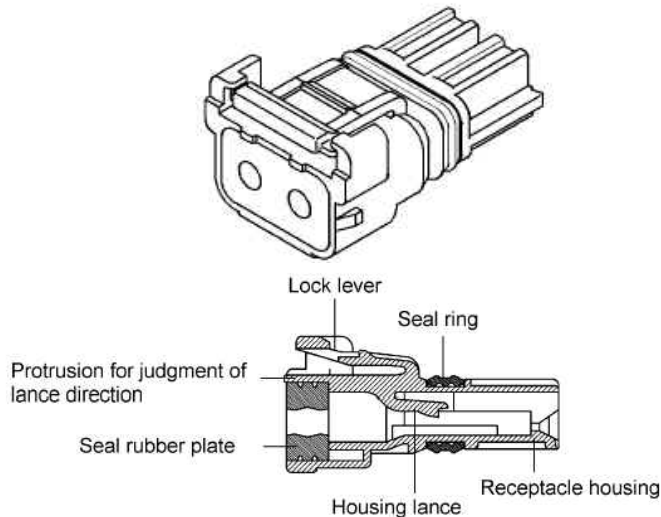
Receptacle Contact

SWPJR-21T-M0.5(A)

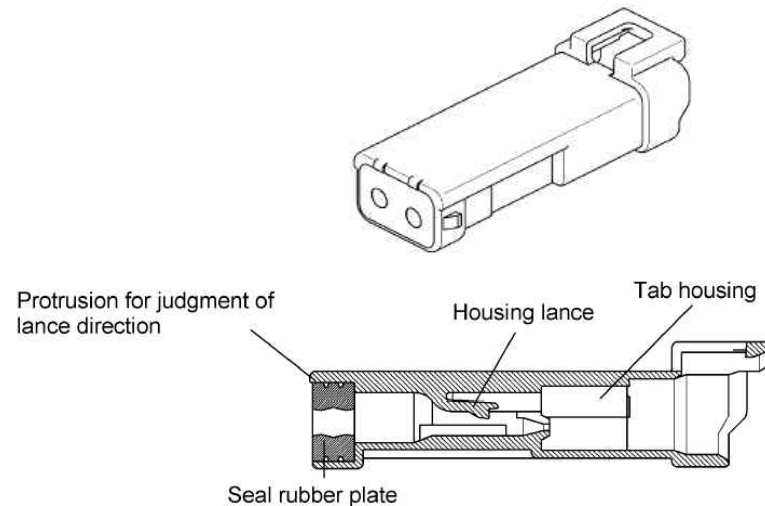
The WPJ contacts are designed to accommodate a wire range of 18AWG to 22AWG with either standard or thin insulation wire types. The contacts are tin-plated over a copper alloy base material. To help prevent damage and increase reliability, the contacts are designed to withstand unintentional and irregular insertion methods.

WPJ Connector

waterproof crimp style housings



**Receptacle housing for
wire-to-wire and wire-to-
board applications**

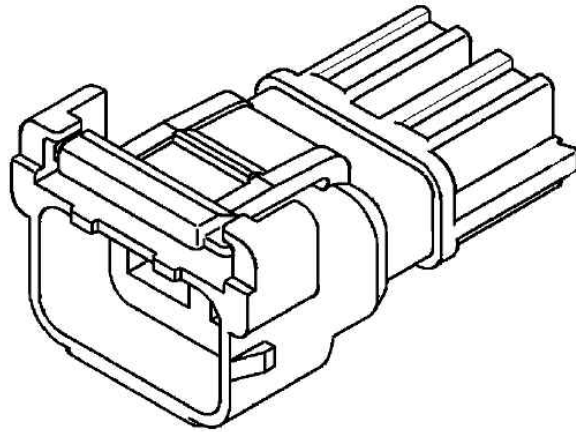


**Tab housing for
wire-to-wire applications**

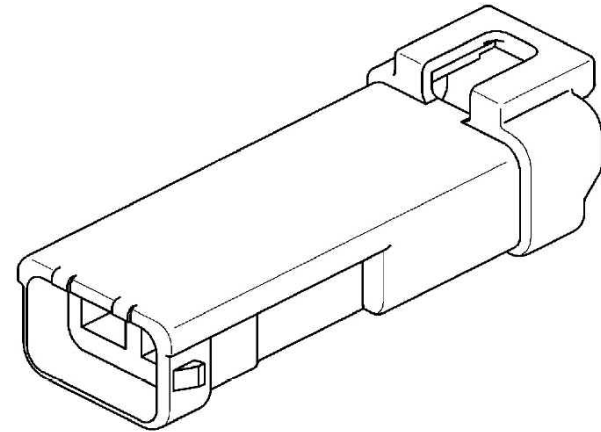
Molded in glass-filled PBT rated 94V-0 material, the polarized WPJ series housings incorporate a secure inner locking device to prevent accidental disconnection due to routing of wires or vibration and are offered in 3 different keying patterns. Available in 2 and 3 circuits, the locking mechanism is designed for a secure and stable connection ideal for high vibration applications. An audible click is heard when mating the receptacle housing assembly with the mating half. The wire-to-wire version is offered in a free-hanging configuration. The waterproof versions are graded IPX7.

WPJ Connector

non-waterproof crimp style housings



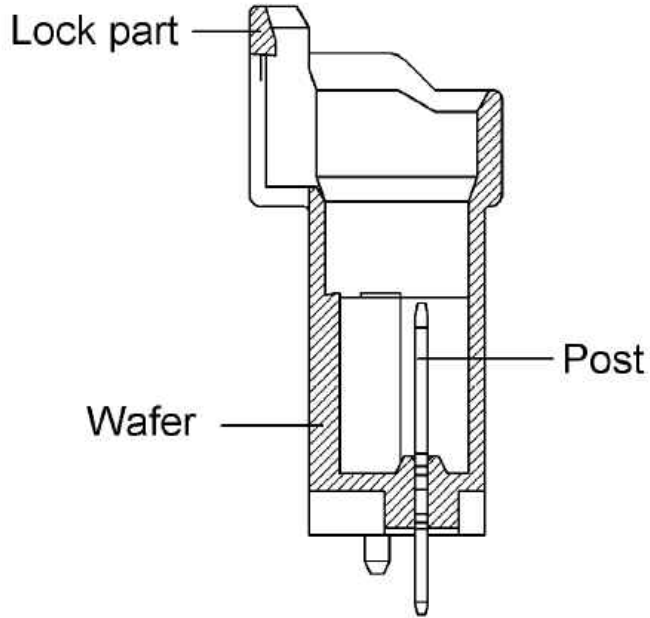
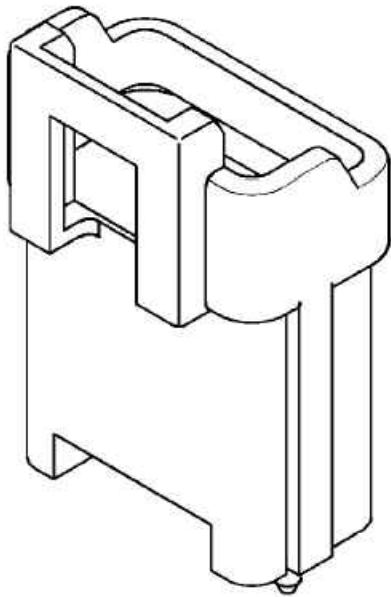
**Receptacle housing for
wire-to-wire and wire-to-
board applications**



**Tab housing for
wire-to-wire applications**

Molded in glass-filled PBT rated 94V-0 material, the polarized WPJ series housings incorporate a secure inner locking device to prevent accidental disconnection due to routing of wires or vibration and are offered in 3 different keying patterns. Available in 2 and 3 circuits, the locking mechanism is designed for a secure and stable connection ideal for high vibration applications. An audible click is heard when mating the receptacle housing assembly with the mating half. The wire-to-wire version is offered in a free-hanging configuration.

WPJ Connector through-hole headers

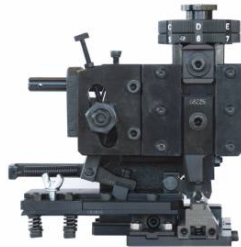


Available in top-entry (vertical), the RoHS compliant, fully shrouded headers are of glass-filled PBT rated 94V-0 and feature 3 different keying patterns. The copper alloy posts are reflow treated pre-tin plating over copper-underplating and feature a locking ramp to accommodate the mating, positive locking receptacle.

THE WPJ SERIES IS ENGINEERING & MANUFACTURING FREINDLY



**Bench press
and applicator
for the WPJ
series**



**Industry
standard
applicator for
the WPJ series**



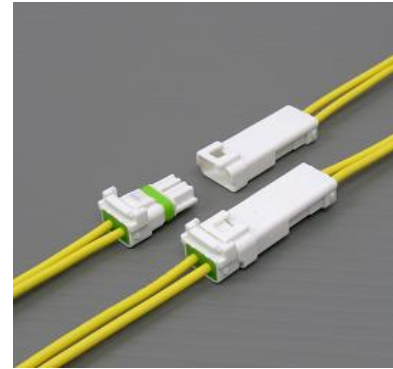
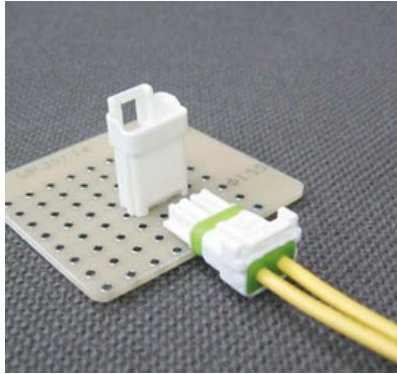
**WC hand tool
for the WPJ
series**



**Extraction tool
for the WPJ
series**

Applicators are available for semi-automatic and fully automatic termination equipment normally found in the manufacturing environment as well as standard hand tools and contact extraction tooling (insertion tooling is not required for the WPJ series contacts. Standard reels for the WPJ series for semi-automatic and fully automatic assembly equipment are available for manufacturing.

THE WPJ SERIES SUMMARY



The WPJ wire-to-board and wire-to-wire connector is a high current, waterproof, secure locking system:

- **Reliable contact construction ideal for high current (up to 7A) and vibration**
- **Clean contact design. No contact lances to damage due to mishandling.**
- **Available in 2 and 3 circuits**
- **Applicable AWG #18 to 22**
- **Secure, positive locking feature**
- **RoHS compliant through-hole product**
- **Supported with termination tooling for manufacturing requirements**
- **Offered for waterproof and non-waterproof applications**