MX60A Series (High Pin Count Waterproof Connector)

High Pin Count Waterproof Connector

An automotive grade waterproof connector ideal for engine compartment applications has been developed.
Compatible with a high pin count of 177 positions, it features a lever structure and downsized contacts that reduces operation force.

Features

- IP69K equivalent
  (Actual results may vary depending on test condition.)
- High pin count connector with a lever structure that reduces the force required to mate and unmate.
- Socket terminal retention strength is 100N or more.
- Both signal and power supply socket terminals are available to support a wide range of wire sizes.
- Allows for easy harness assembly with a structure that attaches the cable cover after the wires are inserted in housing.
- Pin terminal maintains enough durability while maintaining low height, with 1mm width, and 0.5mm thickness.

Applications

High pin count waterproof applications in engine compartments such as automotive and commercial vehicle engine ECUs and PCUs

General Specifications

Number of Contacts	177 positions (2 blocks) (68 positions + 109 positions)
Contact Resistance	Initial: 5 milliohm max. Post test: 10 milliohm max.
Insulation Resistance	100 megaohm min.

Applicable Wire	Signal contacts: AVSS 0.3 sq to 0.5 sq Power contacts: AVSS 0.5 sq to 1.25 sq
Operating Temperature Range	Ambient temperature: -40 deg. C to +105 deg. C Ambient temperature + temperature rise due to conduction: 120 deg. C max.

Notice

1. The values specified in this web site are only for reference. The products and their specifications are subject to change without notice.
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   For purchase, a product specification must be agreed upon.
2. Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry. Also contact us regarding the details of use, usage, specification before considering or ordering any of our products.
3. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.