

Technology to Inspire Innovation

Preferred Connector Products

JAE



JAE Electronics, Inc.

For Additional Information Visit www.jae-connector.com

Japan Aviation Electronics Industry, Ltd. (JAE) is an international manufacturer and supplier of electronic components and systems. For over four decades, JAE has provided the electronics industry with solutions to complex design requirements. Since its founding, the Company has strived to contribute to society through market-driven, technology-based global business operations under the philosophy: "Technology to Inspire Innovation."

With worldwide and world-class manufacturing certified to ISO 9001 and QS 9000, JAE has made the commitment to meet the global requirements of our customer. In addition to a network of state of the art manufacturing facilities, JAE has technical service offices located around the world, staffed with experts in connector design and application.

This catalog contains a select overview of JAE Connector Products. For in-depth information on our complete product line, and information on new developments, visit JAE's online catalog at www.jae-connector.com.

Innovative design, quality oriented manufacturing, commitment to our customers and sensitivity to the environment assures JAE's leadership position in the 21st century.

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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this catalog are made for the applications specified. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information. Recommended Applications: Computers, Office Machines, Measuring Devices, Telecommunications Devices (Terminals, Mobile Devices) AV Devices, Household Applications, FA Devices, etc.
- Refer to end of catalog for alphabetical index of products.

MX19 SERIES CONNECTORS

2.50mm (.098") Contact Spacing, Small Waterproof Relay Connector



FEATURES

- Mechanical lock mechanism prevents incomplete mating, and improved insertion and removal
- Improved harness assembly and insertion of terminals into housing thanks to a grommet with rear cover
- Rear cover protects the grommet from damage on terminal insertion, withstands cable flaps, and improves waterproof reliability
- Terminals have a two-plate spring mechanism with long beam length, which results in a low force insertion and stress dispersion. The highly reliable contact mechanism can withstand the particular types of vibration caused by an automobile



These small waterproof relay connectors are designed for use in automotive applications. The connectors are designed to withstand harsh environments, and provide an improved harness assembly process thanks to a grommet with a rear cover. The small, proven two-plate spring mechanism improves contact reliability.

GENERAL SPECIFICATIONS

Number of Contacts	2, 4 (Color: Black (Standard), Gray)
Contact Spacing	2.50mm (.098")
Contact Resistance	10 milliohm max.
Withstand Voltage	1000VAC for one minute
Operating Temperature	-40°C to +105°C including temperature rise due to applied current
Waterproofing	Compliant with JIS D0203 S1
Rated Current	5A
Insulation Resistance	100 megohm min.

Applicable Wire

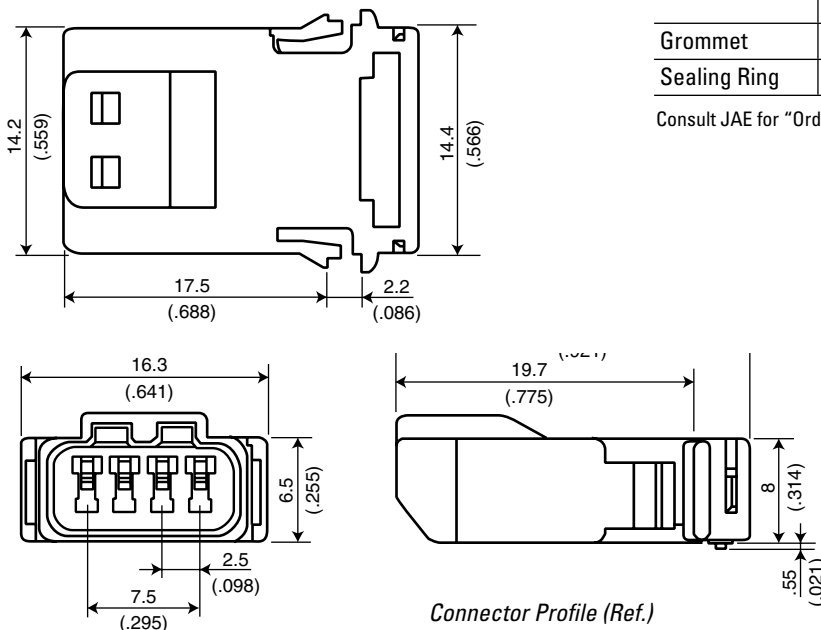
Cable Type	CAVS, AVSS
Cross Section of Conductor	0.3 to 0.5mm ²
A.W.G. No.	#22 to 20
Outer Diameter of Cable	1.4 dia. to 1.7 dia. mm

(Note) Only 0.5mm² is available for AVSS.

MATERIALS AND FINISHES

Components	Materials/Finishes
Insulator	PBT (Black (standard) or Gray)
Contacts	Pin: Copper Alloy Socket: Copper Alloy
Grommet	Silicon Rubber (Brown)
Sealing Ring	Silicon Rubber (Brown)

Consult JAE for "Ordering Information".



Dimensions in mm (inches).

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***“Building Technologies
to Connect Your World”***



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