

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.

MX34 SERIES CONNECTORS

1.1mm (.043") Contact Spacing, Compact Automotive Connectors for PCB-to-Cable Applications



FEATURES

- Compact, lightweight, double row PCB-to-cable connector with 2.2 (.08") mm horizontal pitch and 3 mm (.12") diagonal pitch
- Up to 40 positions, low mating/unmating force less than 80N
- Socket contact with box-type pin header is durable to external force; contact part is highly resistant to twisting and equipped with a proven double leaf spring
- Adoption of a preset-type retainer facilitates easy wire harness operation
- If retainer is not completely inserted in housing, the connector is not engaged, and incomplete contact insertion is detected
- Lock spring is equipped with a bridge for protecting the contacts from external load



The MX34 Series connectors are compact, non-waterproof connectors with a double row of contacts, and are developed for automotive use.

The up to 40 poles reduces mating and unmating force to 80N or less and improves workability. Furthermore, automotive connector requirements such as the preset type of double locking mechanism and box type of pin header are satisfied.

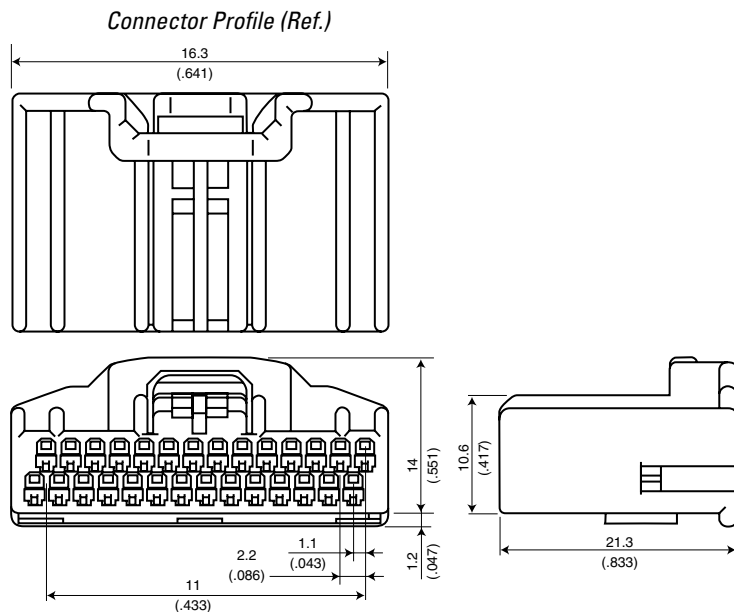
GENERAL SPECIFICATIONS

Number of Positions	•12, 16, 20, 24, 28, 32, 36, 40
Contact Spacing	1.1mm (.043")
Contact Resistance	5 milliohm max. (initial)
Withstanding Voltage	1000VAC for one minute
Operating Temperature	-40 to 85°C
Rated Current	3A
Insulation Resistance	100 megohm min.
Durability	50 Times

MATERIALS AND FINISHES

Components	Materials and Finishes
Socket Housing	66NY + PPE (Alloy)
Socket Contact	Highly Conductive Material/ Tin Plating
Retainer	66NY + PPE (Alloy)
Pin Insulator	SPS GF 30
Pin Contact	Brass/ Tin Plating
Pin Contact 2	Brass/ Tin Plating

Consult JAE for "Ordering Information".



Dimensions and specifications subject to change without notice.

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



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