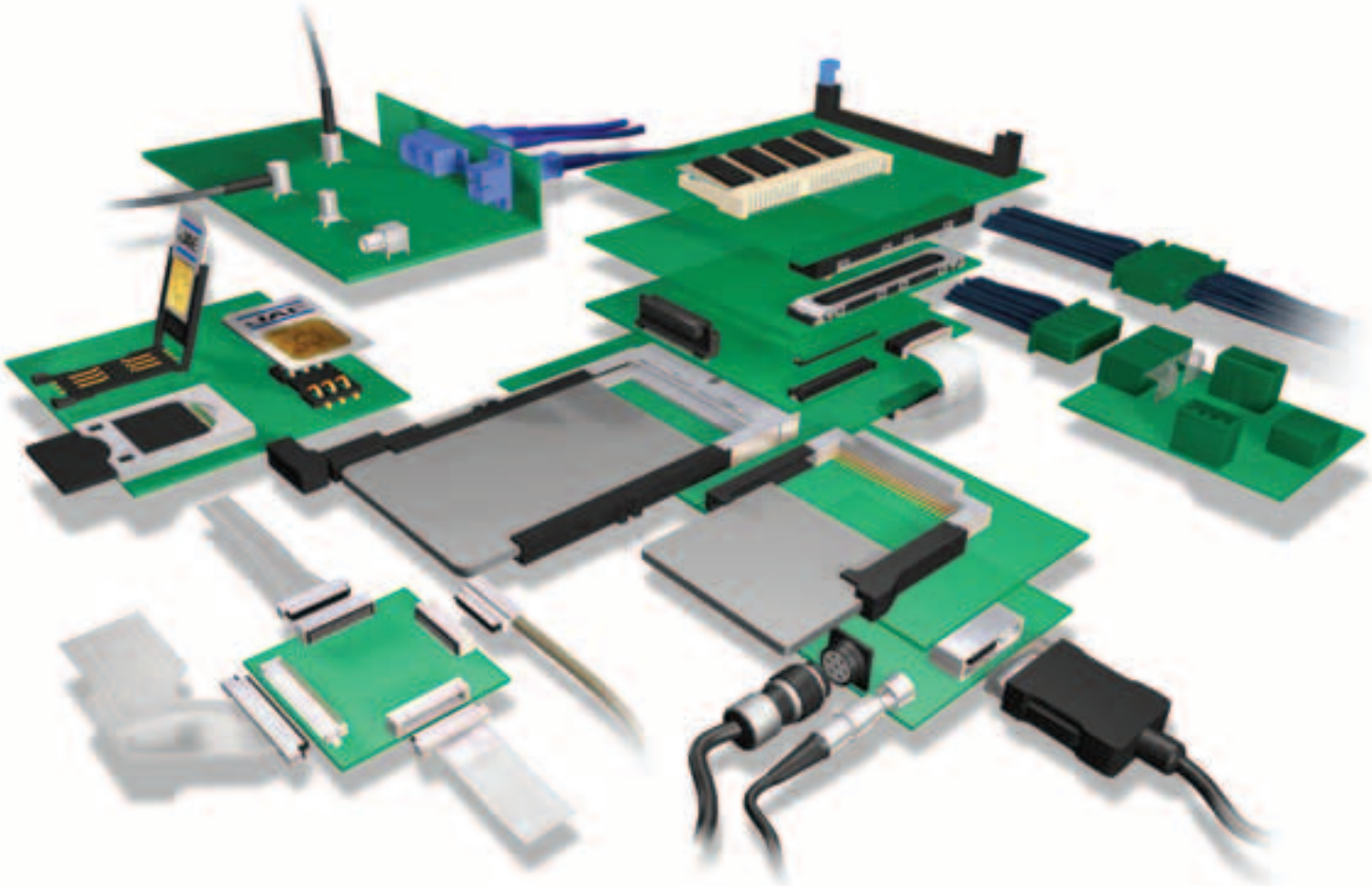
Preferred Connector Products

Technology to Inspire Innovation

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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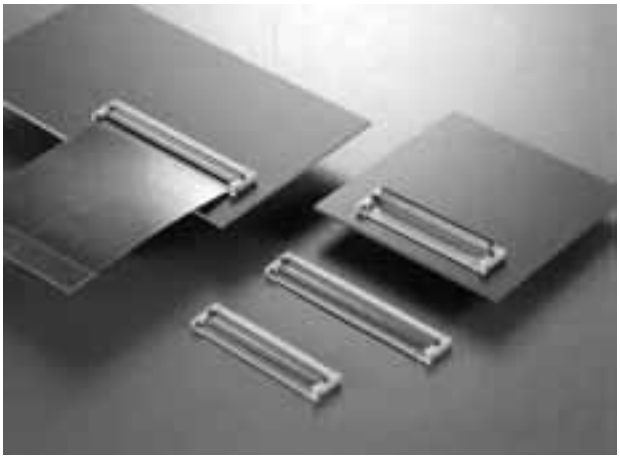
- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this catalog are made for the applications specified. However, 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.

JAE

FF03 SERIES CONNECTORS

0.50mm (0.020") Contact Spacing, PCB-to-FPC/FFC Connector



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The FF03 Series connectors are 0.50mm (0.020") pitch low profile, high pin count connectors for FPC, in response to the demand for thinner and more compact devices such as LCD TVs, PDPs, and car navigations displays. This series features a connector mating height of 2.0mm (0.08") and a cam locking structure for all terminals to assure highly reliable mating. To make assembly easier, the actuator of the FF03 series rests and holds its position. It does not back easily when opening the actuator to insert the FPC. Also, low cost is achieved by using this connector series for board-to-cable applications.

FEATURES

- 2.0mm (0.08") connector mating height
- Cam locking feature for all terminals assures highly reliable mating and absorbs shock caused by dropping
- Actuator rests and holds its position and does not flip back easily, making assembly easier when opening the actuator to insert the FPC

ORDERING INFORMATION

FF03 ** S A 1 R2000

Series
No. of Contacts
60, 64, 68, 80, 96
Contact Type
S – Socket
Modification Code
Contact plating
1 – Gold plating over Nickel
Tape and Reel
R2000 – 2,000 pcs/reel

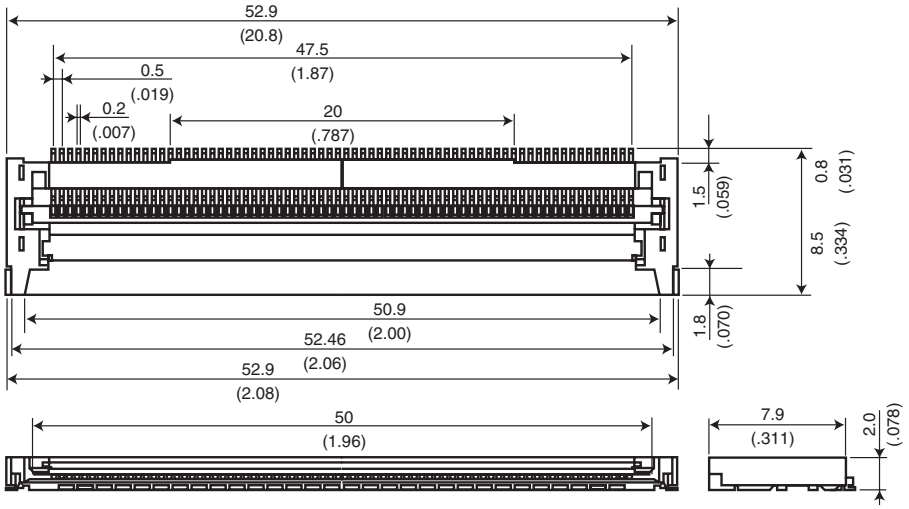
GENERAL SPECIFICATIONS

Number of Contacts	60, 64, 68, 80, 96
Contact Spacing	0.50mm (0.020")
Rated Current	AC, DC 0.5A per terminal
Rated Voltage	AC/DC 0.5A per terminal
Contact Resistance	Less than 20 milliohm
Lifetime	20 times
Dielectric Withstanding Voltage	250 VAC r.m.s. for one minute
Insulation Resistance	100 megohm (min.)
Operating Temperature	-40°C to +85°C
Applicable FPC	0.50mm (.020") pitch thickness 0.3mm (0.01") ± 0.5mm (0.002")

MATERIALS AND FINISHES

Description	Materials/Finishes
Actuator	PPS / No plating (UL94V-0)
Base Insulator	LCP/ No plating (UL94V-0)
Contact	Copper Alloy/ Gold over Nickel under plating
Hold Down	Copper Alloy/ Tin-Copper over Nickel under plating

Connector Profile (Ref.)



Dimensions and specifications subject to change without notice.

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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