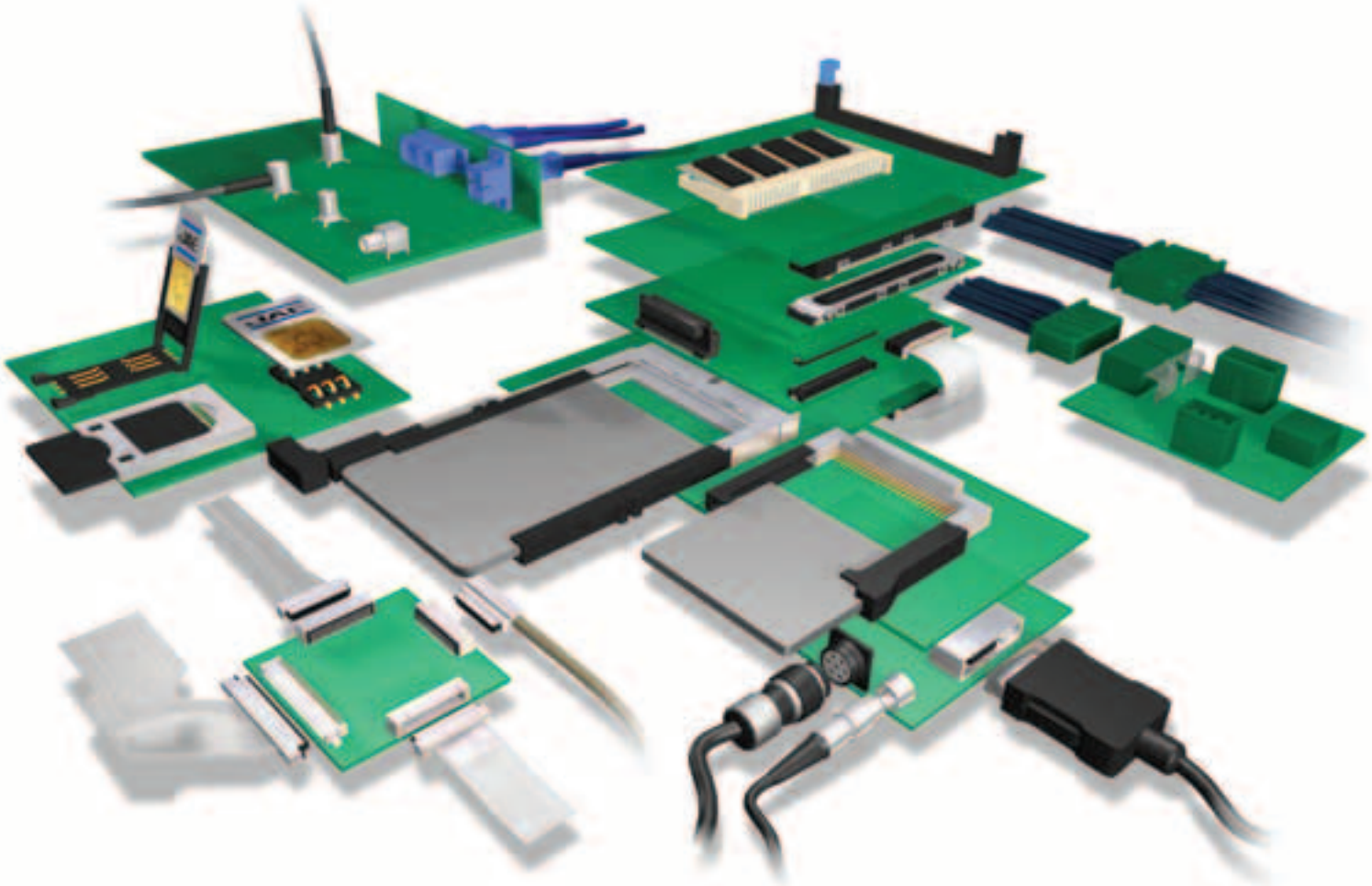
Preferred Connector Products

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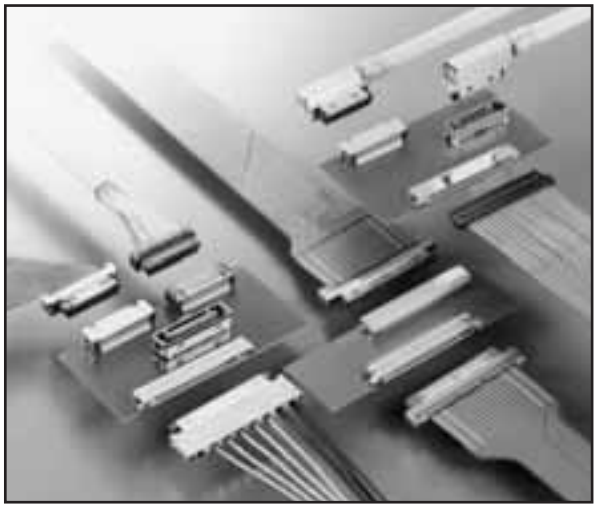
- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this catalog are made for the applications specified. However,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

FI SERIES CONNECTORS

1.25mm (.049") Contact Spacing, Connector for PCB-to-Cable



FEATURES

- Socket housing available with or without a shield
- Flex connector available
- Pin header available on embossed tape for automatic SMT mounting
- Dependable pin-type double contacts (post and box)
- Friction lock housing enables secure connections

Refer to Ordering Information for Connector Profiles.

FI Series connectors are designed for board-to-cable applications. High-density 1.25mm (.049") contact spacing SMT single and double row shielded and unshielded versions available. They are used in notebook PCs, VCR's, mobile phones, and other consumer applications, where reduced space is a requirement.

GENERAL SPECIFICATIONS

Number of Contacts	Single row: 2-6, 8, 10, 15, 20, 25, 30 Double row: 5-21 (every 2 pins), 31, 41
Contact Spacing	1.25mm (.049")
Current Rating	AC/DC 1 Amp per contact
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	40 milliohms max.
Operating Temperature	-40°C to +80°C
Applicable Wire Sizes	#28 to #32 AWG
Applicable FPC	.625mm (.025") Center .14mm (.006") Thick

MATERIALS AND FINISHES

• Pin Header	
Description	Materials/Finishes
Insulator	Single Row: Glass-filled PPS (UL94V-0, Black) Double Row: Glass-filled LCP (UL94V-0, Beige)
Contact	Copper Alloy Connecting area: Gold 0.1µm min. over Nickel Terminal area: Tin-Lead over Nickel plating
Shell	Copper Alloy/Tin plating
Hold-down	Copper Alloy/Tin over Nickel
• FPC	
Insulator	Glass-filled PPS (UL94V-0, Black)
Contact	Copper Alloy Connecting area: Gold 0.1 (.000004") min. over Nickel FPC area: Tin over Nickel plating
Shell	Copper Alloy/Tin plating
Slider	Glass-filled PPS (UL94V-0, Brown)
• Socket Housing	
Housing	Glass-filled PPS (UL94V-0, Black)
Socket Contact	Phosphor Bronze/Gold over Nickel

Consult JAE for other available sizes.

1.25mm (.049") Contact Spacing, Connector for PCB-to-Cable

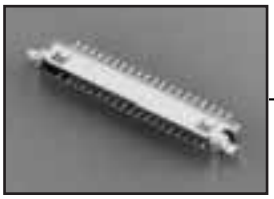
SINGLE ROW

Board Side Receptacle

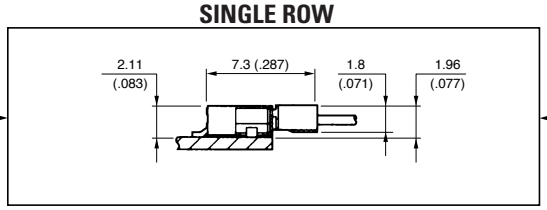
Right Angle Standard Mount Shielded FI-S*P-HFE**

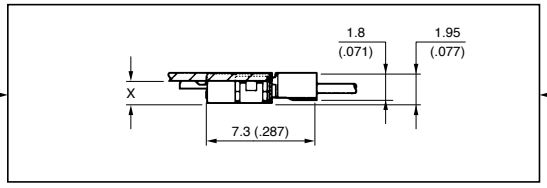
Note: Shielding only available in 20 position.

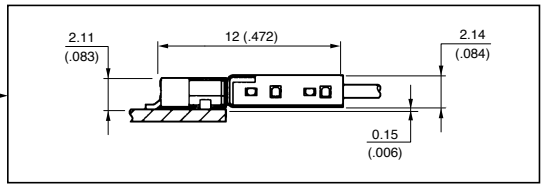
Right Angle Reverse Mount Shielded FI-SEB20P-HFE

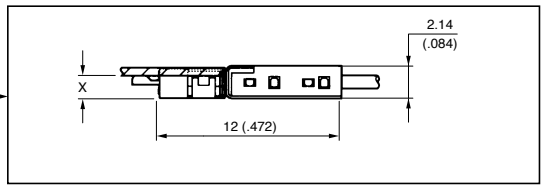


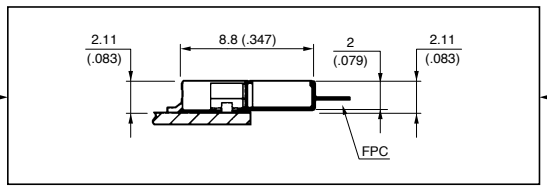
Type	Size
HF	1.48 (.058)
HF13	1.3 (.051)
HF10	1.0 (.039)

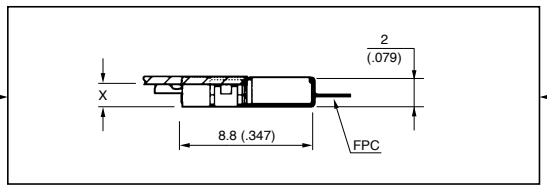


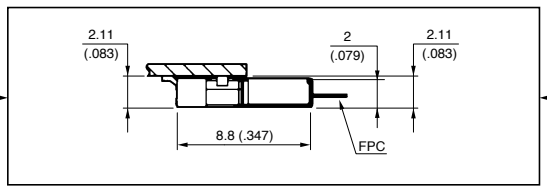


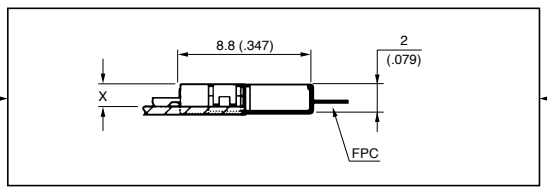






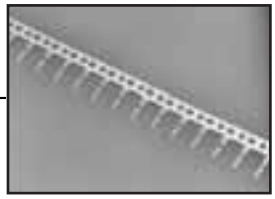






Cable Side Plug Discrete Wire Unshielded FI-S*S**

Socket Contact FI-C3-A1-15000



Standard Shielded FI-SE20ME

FPC-Reverse FI-SE20MRE

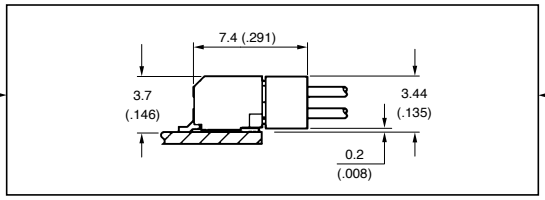
Dimensions in mm (inches).

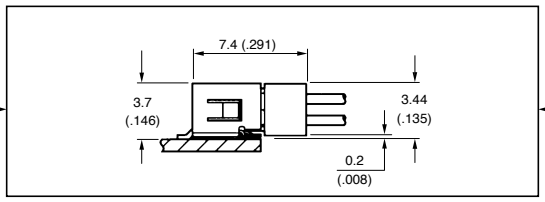
1.25mm (.049") Contact Spacing, Connector for PCB-to-Cable

DOUBLE ROW

Board Side Receptacle

Right Angle, Unshielded
21, 31, 41 Sizes
FI-W*P-HFE

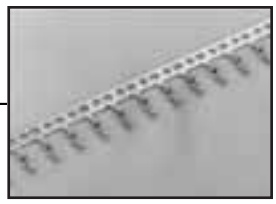




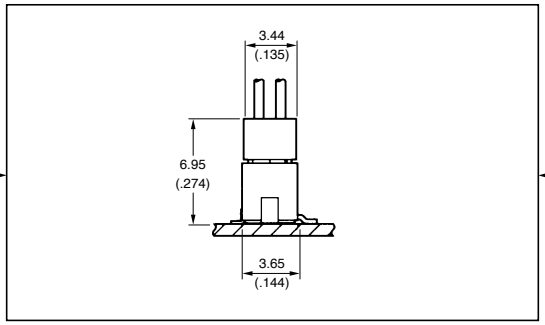
Cable Side Plug

Discrete Wire, Shielded
21, 31, 41 Sizes
FI-W*S

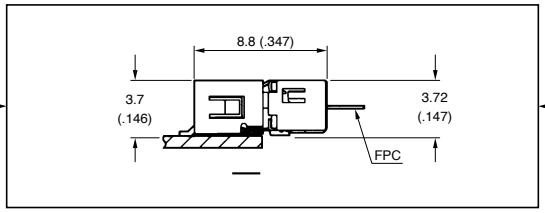
Socket Contact
FI-C3-A1-15000



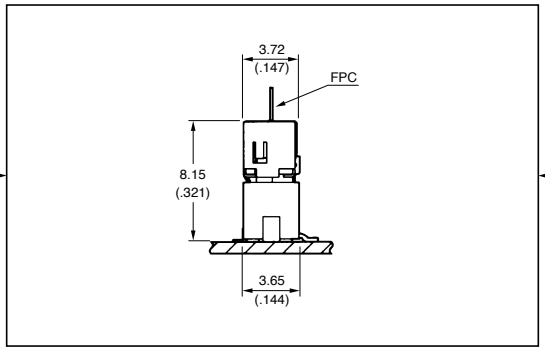
Right Angle, Shielded
21, 31, 41 Sizes
FI-WE*P-HFE



FPC Right Angle, Shielded
21, 31 Sizes
FI-W*MA1



Straight, Shielded
21, 31 Sizes
FI-TWE*P*-VFE



FPC Straight, Shielded
21, 31 Sizes
FI-WE*MVA1

Technology to Inspire Innovation

JAE

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LifeElectronics
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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
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- *Работу по проектам и поставку образцов.*
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- *Входной контроль качества.*
- *Наличие сертификата ISO.*

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- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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