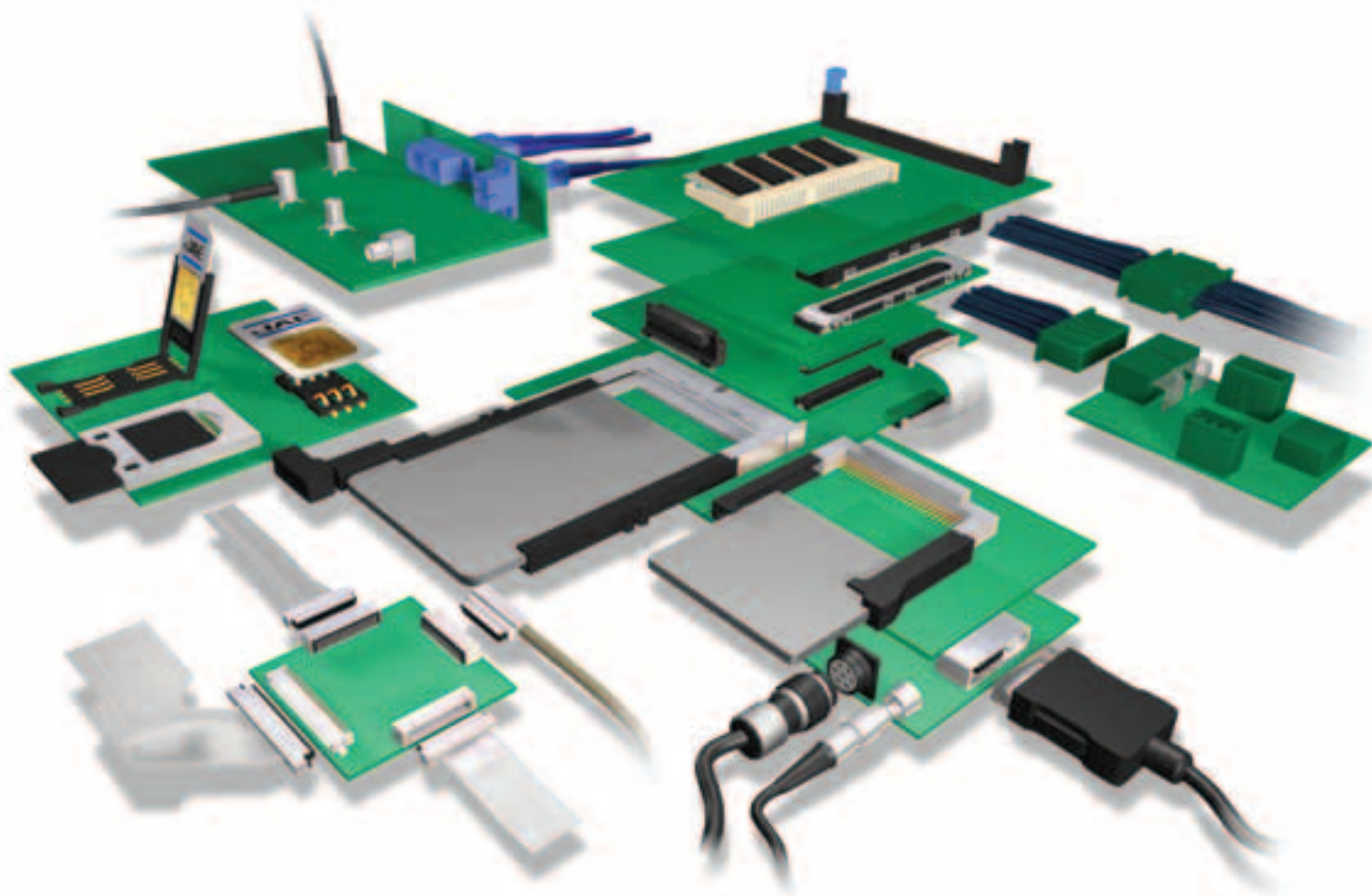


Technology to Inspire Innovation

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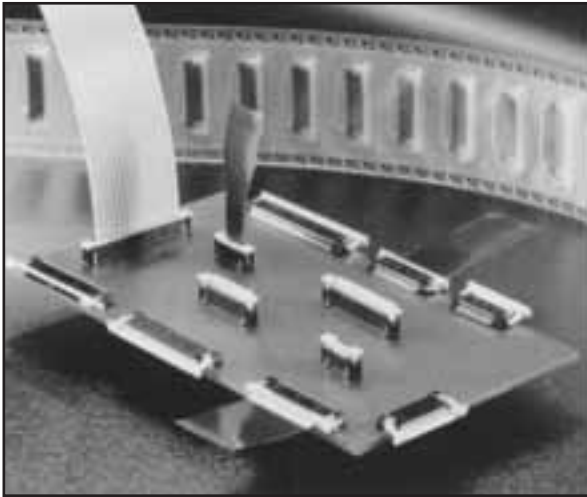
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

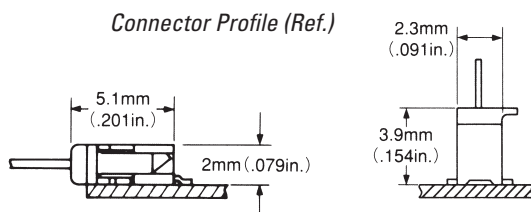
IL-FPR SERIES CONNECTORS

0.50mm (0.020") Contact Spacing, FFC/FPC Connector (Top/Bottom Contact)



FEATURES

- Extremely small, 0.50mm (.020") contact spacing
- SMT type for FPC
- Available in right-angle and straight versions
- A slider enables insertion/extraction of FPC without applying force (Zero Insertion Force)
- One-side contact configuration avoids mismatching of FPC
- Lower-side or upper-side FPC contact surfaces on right-angle version
- Hold down mechanism prevents floating up of the connector during soldering and retains the connector on the board
- Designed to avoid defective mating
- Supplied in embossed tape for automatic SMT mounting



Dimensions in mm (inches).

.....

IL-FPR Series SMT connectors meet today's requirements for smaller size and lighter weight. These connectors have extremely high contact density and low profiles: 0.5mm (.020") centers and a 2.0mm (.079") mounted height (right-angle type).

Both straight and right-angle types are available. The ZIF (zero insertion force) configuration permits easy insertion and extraction of the FPC (flexible printed circuit), even in a minimal amount of space. A wide variety of mounting styles are available.

GENERAL SPECIFICATIONS

Number of Contacts	Right Angle type: 5-14, 16-18, 20-22, 24, 26, 28, 30-38, 40, 45, 50 Straight type: 8-10, 12-14, 16, 18, 20-22, 24-28, 30, 32-34, 36, 40, 45
Contact Spacing	0.50mm (.020"), single row
Current Rating	AC/DC 0.5 Amp per contact
Dielectric Withstanding Voltage	250 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	20 milliohms max.
Operating Temperature	-40°C to +85°C
Applicable FPC	0.5mm(.020") spacing 0.3mm ± 0.05mm(.012" ± .002") thickness with reinforcement
Voltage Rating	AC/DC 50V

MATERIALS AND FINISHES

Description	Materials/Finishes
Contact	High Strength Brass /Tin Plated
Base Insulator	Glass-filled PPS (Black)
Slide Insulator	Glass-filled PPS (White)
Hold-down Tab	Copper Alloy /Tin Plated

ORDERING INFORMATION

	IL-FPR	-	*	**	S	**	**	R****
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Contact Configuration								
Blank – Lower-Side Contact								
U – Upper-Side Contact								
No. of Contacts								
Contact Type								
S – Socket								
Termination								
HF – Right Angle								
VF – Straight								
Plating								
N1 – Gold reflow tin hold downs								
Tape and Reel								
R1500 – 1,500 pcs/reel (Straight)								
R3000 – 3,000 pcs/reel (Right Angle)								

Technology to Inspire Innovation



***"Building Technologies
to Connect Your World"***



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