

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.

FA5 SERIES CONNECTORS

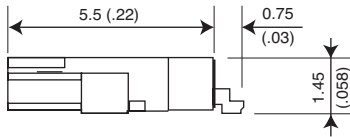
0.50mm (.020") Contact Spacing, pitch FFC/FPC Connector (Bottom Contact)



FEATURES

- ZIF structure for easy insertion and removal of FPC
- Easy handling thanks to rotation of actuator
- Hold down structure with winding and strain protection
- Two mounting types: standard and bottom (embedded) type
- Connector mounting height 1.45mm (.057"), low-profile structure

Connector Profile (Ref.)



Dimensions in mm (inches).

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FA5 Series connectors are 0.50mm (.020") pitch, high density, and low-profile for PCB-to-FPC applications. The design utilizes a slider for easy, yet reliable, engagement of the flex cable to the contacts. They are ideally used in audio/visual products, personal computers, PDA's, LCD's, and mobile phones.

GENERAL SPECIFICATIONS

Number of Contacts	Top Mount: 8, 10, 15, 16, 18, 20, 22, 24, 26, 30, 36, 40, 45, 50 Bottom Mount (Embedded Type): 6, 8, 10, 16, 20, 30, 36, 40, 45, 50
Contact Spacing	0.50mm (.020")
Current Rating	0.8 Amp per contact
Dielectric Withstanding Voltage	250 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	40 milliohms max.
Operating Temperature	-40°C to +85°C
Contact Life Durability	20 Cycles
Applicable FPC	0.50mm (.020") pitch, 0.3 ±0.05mm (.012" ± .002") thickness with lining

MATERIALS AND FINISHES

Components	Materials/Finishes
Base Insulator	Glass filled LCP (UL94V-0, Black)
Actuator	Glass filled Nylon (UL94V-0, White)
Contact	Copper Alloy/ Tin Plated
Hold Down	Copper Alloy/ Tin Plated

ORDERING INFORMATION

	FA5	*	***	H	P	*	R3000
Series							
Mounting Type							
S – Standard							
B – Bottom mount							
No. of Contacts							
Termination							
H – Angle type with H/D							
Contact Finish Code							
P – Gold/Tin-Copper plating (10 position)							
Hold Down							
1 - 0.8mm (.031")							
2 - 0.9mm (.035")							
Tape and Reel							
R3000 – 3,000 pieces/reel							

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JAE

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



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