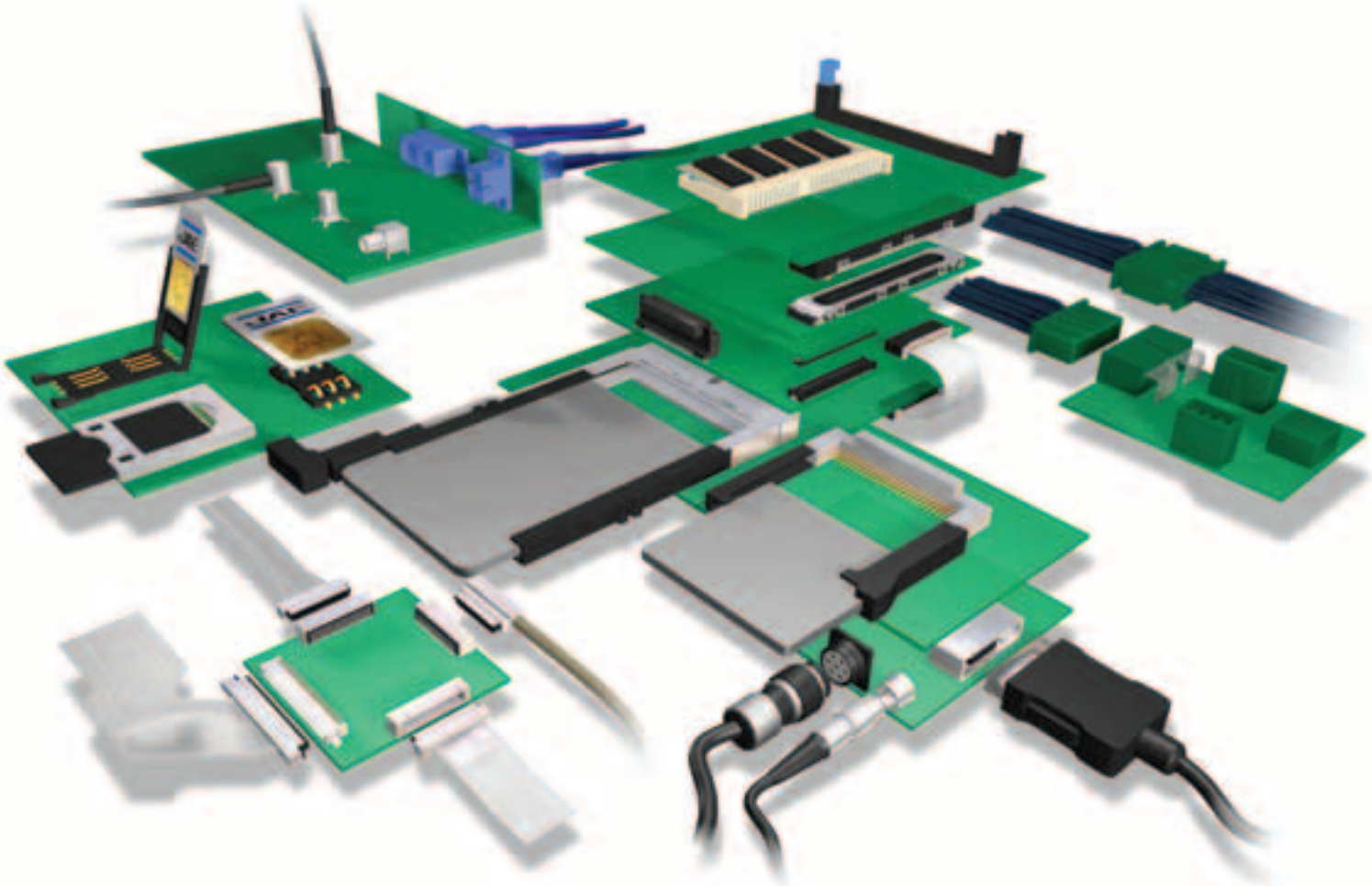
Preferred Connector Products

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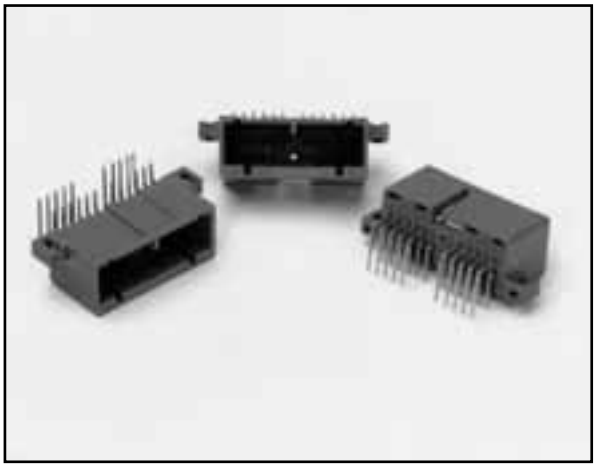
- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this catalog are made for the applications specified. However,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

IL-AG7 SERIES AUTOMOTIVE CONNECTORS

2.50mm (.098") Contact Spacing, 025 Crimp Contacts, PCB-to-Cable

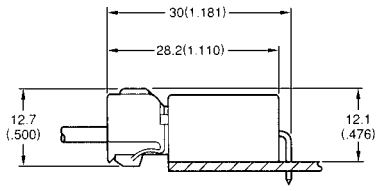


FEATURES

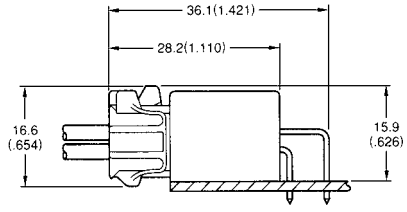
- Designed for automotive instrument panel applications
- Mechanical lock assures positive mating
- Unique housing configuration helps prevent mismating
- Double locking mechanism prevents dislodging of contacts
- IL-AG5 is used for socket side

Connector Profile (Ref.)

SINGLE ROW TYPE



DOUBLE ROW TYPE



GENERAL SPECIFICATIONS

Number of Contacts	5, 10 (single row) 14, 22, 30 (double row) 16 (straight only)
Contact Spacing	2.50mm (.098")
Current Rating	3 Amp per contact
Dielectric Withstanding Voltage	1000 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	10 milliohms max.
Operating Temperature	-40°C to +85°C
Applicable PCB Thickness	1.6 to 2.4mm (.063" to .094")

Applicable Wire (Stranded)

Wire Type JIS	AV, AVS, AVSS	AVS, AVSS
AWG	#22-#20	#18
Conductor Cross Section Area	0.3 to 0.5mm^2	0.85mm^2
Insulation Outer Diameter	1.4 to 2.4mm (.055 to .094")	

MATERIALS AND FINISHES

Description	Materials/Finishes
Insulator	PBT, Yellow (Green or Light Blue for polarized version)
Pin Contact	Brass/Tin Plating
Socket Contact	Phosphor Bronze /Tin Plating

Note: The standard finish of contacts is tin plating.
Gold plating is available as an option. Consult JAE for details.

ORDERING INFORMATION

IL-AG7 – ** * * – * 3 * * – **

Series

No. of Contacts
- Single Row – 5, 10
- Double Row – 14, 22, 30

Contact Type
- P – Pin
- S – Socket

Modification Code
- K – Polarized Version, 5
- Blank – Standard type

Contact Layout
- S – Single Row
- D – Double Row

Contact Pitch
- 3 – 2.5mm (.098")

Termination
- L – Right Angle Through Hole
- T – Straight Through Hole

Applicable PCB Thickness (pin header)
- 2 – 1.6mm (.063")

Insulator Color
- Blank – Green
- LB – Light Blue (For polarized version)

Technology to Inspire Innovation

JAE

"Building Technologies to Connect Your World"

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IL-AG7-10P-S3L2 IL-AG7-14P-D3T2 IL-AG7-22P-D3T2 IL-AG7-30P-D3T2 IL-AG7-30P-D3T2-C-G IL-AG-7S-S3C1

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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