

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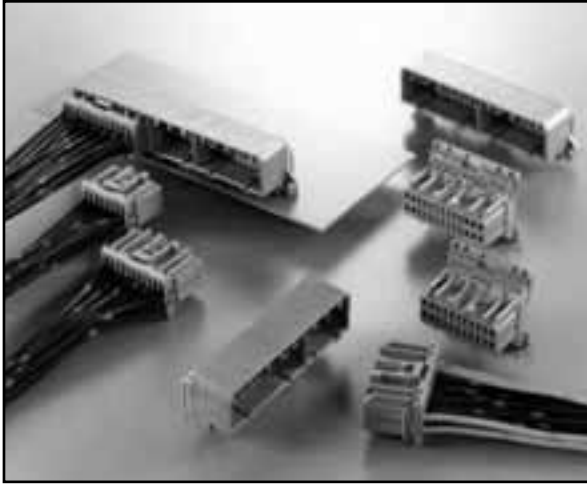
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

MX5 SERIES AUTOMOTIVE CONNECTORS

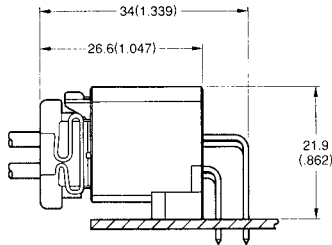
040/070 Crimp Contacts, PCB-to-Cable Applications



FEATURES

- Designed for state-of-the-art interconnections for automotive electronic equipment.
- Designed for high density packaging with numerous contacts in an engine control unit.
- Signal contacts (4 Amps) and power contacts (8 Amps) are housed in the same connector.
- Several wire-terminated sockets are coupled with a pin header mounted on a board.
- Mechanical lock assures positive mating.
- Double locking mechanism avoids contact dislodging.
- Highly reliable socket contacts.
- Simplified crimp type termination.

Connector Profile (Ref.)



GENERAL SPECIFICATIONS

Number of Contacts	Pin: 26, 34, 42, 48, 54, 64, 76 Socket: 12, 16, 22, 26
Contact Spacing	Signal: 3.0mm (.118") Power: 3.5mm (.138")
Current Rating	Signal: 4 Amp, Power: 8 Amp per contact
Dielectric Withstanding Voltage	1000 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	5 milliohms max.
Operating Temperature	-40°C to +85°C
Applicable PCB Thickness	1.6mm (.063")

Applicable Wire (Stranded)

Contact Type	Signal	Power
Wire Type JIS	AVS, AVSS, AVX	
AWG	#24 to #18	#22 to #16, #14 (AVSS)
Conductor Cross Section Area	0.2 to 0.85mm ²	0.3 to 2mm ²
Insulation Outer Diameter	1.2 to 2.2mm (.047 to .087")	1.4 to 2.9mm (.055 to .114")

Note: 2mm² for AVSS only.

MATERIALS AND FINISHES

Description	Materials/Finishes
Insulator	Glass-filled PBT (green or light blue for 34 contacts only, note 2)
Socket Housing	PBT (Green, note 2)
Contact (note 1)	Pin: Brass, Socket: Phosphor Bronze Finishes: Tin Plating or Gold (connecting area) with Solder (terminal area) Plating over nickel

Note 1: For pin contacts, tin plating is standard finish. Gold plated contacts can be supplied with standard contacts in the same connector. Please consult JAE for details.

Note 2: The standard color of insulator and socket housings is green. Other colors are available. For details, please consult JAE.

Consult JAE for "Ordering Information".

Dimensions and specifications subject to change without notice.

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



Japan Aviation Electronics Industry, Limited

1-19, Aobadai 3-chome, Meguro-ku
Tokyo 153-8539, Japan
Telephone: 03-3780-2736
Fax: 03-3780-2883

JAE Electronics, Inc.

142 Technology Drive, Suite 100
Irvine, California 92618-2430, U.S.A.
Telephone: 949-753-2600
Fax: 949-753-2699
800-523-7278 Toll free in the U.S.A.

JAE Europe

Coliseum Business Centre
Riverside Way, Camberley
Surrey, GU15 3YL, England
Telephone: 44-1276-404000
Fax: 44-1276-404010

JAE Taiwan, Ltd.

4F-1, No. 88, Chung Hsiao E. Rd.
Sec. 2, Taipei, Taiwan, R.O.C.
Telephone: 886-2-2396-7676
Fax: 886-2-2392-5929

JAE Hong Kong, Ltd.

Suites 1407-11, 14/F, Tower 2, The Gateway,
25 Canton Road, Tsimshatsui, Kowloon, Hong Kong
Telephone: 852-2723-7782
Fax: 852-2723-9028

JAE Korea, Inc.

1602, Korea City Air Tower
159-9 Samsung-Dong, Kangnam-ku
Seoul, 135-973, Korea
Telephone: 82-2-551-8959
Fax: 82-2-551-8958

JAE Philippines, Inc.

PEZA Zone, Gateway Business Park, Javalera
General Trias, 4107 Cavite, Philippines
Telephone: 63-46-433-0285
Fax: 63-46-433-0287

JAE Singapore Pte., Ltd.

33 Tannery Lane, #02-01 Hoesteel
Industrial Building
Singapore 347789
Telephone: 65-6748-1332
Fax: 65-6748-2920

JAE Shanghai Co., Ltd.

RM 1407, Shanghai Mart 2299 Yanan Rd.
West Shanghai 200336 P.R.C.
Telephone: 86-21-6236-0322
Fax: 86-21-6236-1292