

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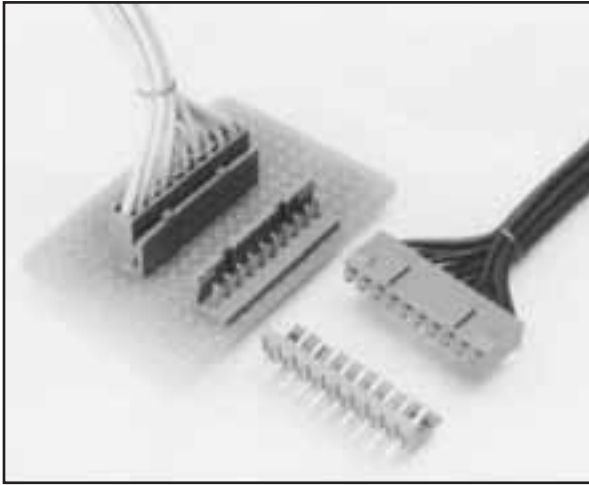
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

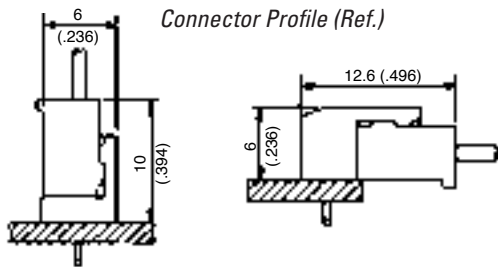
IL-G SERIES CONNECTORS

2.50mm (.098") Contact Spacing, PCB-to-Cable (Crimp Type) Connectors



FEATURES

- Low profile—10mm (.394") total mated height for straight connection
- Mismatching-prevention structure
- Friction locking mechanism
- Prevents solder-flux contamination
- Lead free



• Applicable Wire and Crimping Tool

| Applicable Wire | | Crimping Tool | |
|---------------------|------------------------------|--------------------|---------------------------------|
| AWG# | Outer Dia. | Hand Crimping Tool | Semi-Automatic Crimping Machine |
| #28 to #26 | 1.0 to 1.3mm (.039 to .051") | CT150-1-ILG | 350-ILG-2 |
| #26 to #24 | 1.2 to 1.5mm (.047 to .059") | CT150-1B-ILG | |
| #24 to #22 | 1.4 to 1.7mm (.055 to .067") | CT150-1C-ILG | |
| #20 (Shielded Wire) | — | CT150-1D-ILG | |

Contact Extraction Tool: JET-IL-G-N02



IL-G Series connectors are low profile, PCB-to-cable connectors with 2.50mm (.098") contact spacing.

The crimp contacts for socket housing can be terminated with a hand crimping tool, or a semi-automatic crimping machine for rapid, high volume terminations. IL-G Series connectors are available in socket housing, straight pin header and right angle pin header configurations.

GENERAL SPECIFICATIONS

| | |
|---------------------------------|------------------------------------|
| Number of Contacts | 2 to 15 |
| Contact Spacing | 2.50mm (.098"), single row |
| Current Rating | 3 Amp per contact |
| Dielectric Withstanding Voltage | 1500 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 PCB Thickness | 1.6 to 2.6mm (.063 to .102") thick |
| Applicable Wire Sizes | AWG #22 to #28 |

MATERIALS AND FINISHES

| | |
|----------------|----------------------------------|
| Description | Materials/Finishes |
| Insulator | 6-6 Nylon (UL94V-0, Light Brown) |
| Pin Contact | Brass, Tin Plated over Nickel |
| Socket Contact | Phosphor Bronze/Tin Plated |

ORDERING INFORMATION

• Connector

| | |
|---|-------|
| Series | IL-G |
| No. of Contacts | ** |
| Contact Type | * - S |
| Contact Arrangement | 3 |
| Contact Spacing | * - 2 |
| Termination | SA |
| PCB Thickness (Pin Header)/Wire Size (Socket Housing) | * |
| Modification Code (Pin Header Only) | |
| Finish | |

P – Pin S – Socket
 S – Single Row
 C – Crimp (Socket Housing)
 T – Straight (Pin Header)
 L – Right Angle (Pin Header)
 2 – 1.6 to 2.6mm (.063 to .102") PCB Thickness or #22 AWG to #28 AWG Wire Size
 1 – Gold Plating
 Socket Contact: IL-G-C2-SA-10000, 10,000 pieces per reel

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JAE

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



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