

Technology to Inspire Innovation

# ***Preferred Connector Products***

# **JAE**



***JAE Electronics, Inc.***

***For Additional Information Visit [www.jae-connector.com](http://www.jae-connector.com)***

**J**apan 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](http://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 21<sup>st</sup> century.

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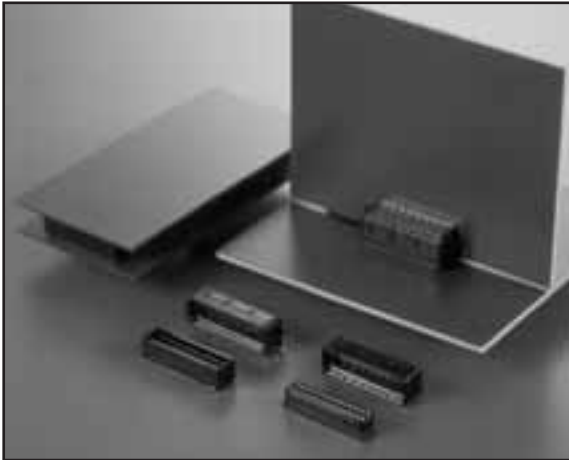
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

0.80mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors



## FEATURES

- Low profile, connection between parallel boards spaced 4.5 mm
- Combinations of socket receptacle (straight) and pin header (straight/right angle) enable vertical and parallel connections
- The boss on both sides of connector bottom ensure correct positioning on board
- Configuration suited for automatic packaging



IL-WX Series connectors are designed for board-to-board applications. Designed with extremely small spacing, centers are on 0.8mm (.031") with double row contact arrangement. The connector features SMT contact configuration for automatic mounting. It is intended for use in portable appliances where size reduction is important. Applications include video camera and OA equipment.

## GENERAL SPECIFICATIONS

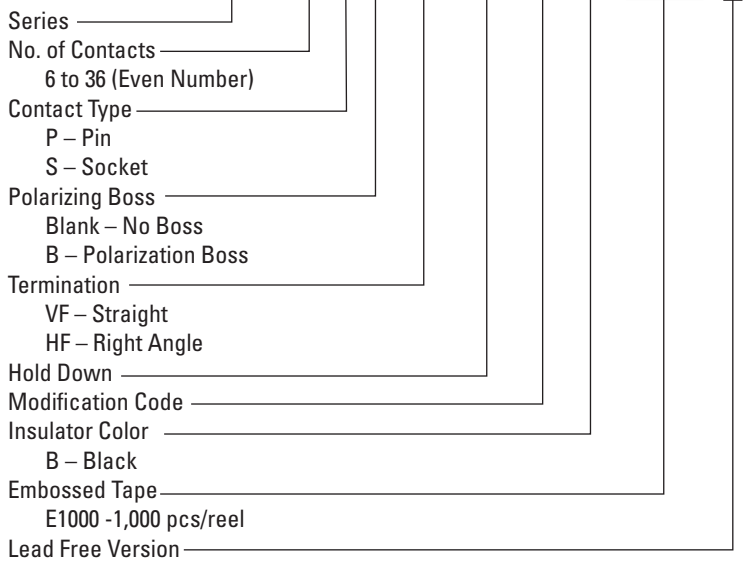
Number of Contacts	6 to 36 (even numbers only)
Contact Spacing	0.80mm (.031"), double row
Current Rating	0.5 Amps
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	25 milliohms max.
Operating Temperature	-40°C to +85°C

## MATERIALS AND FINISHES

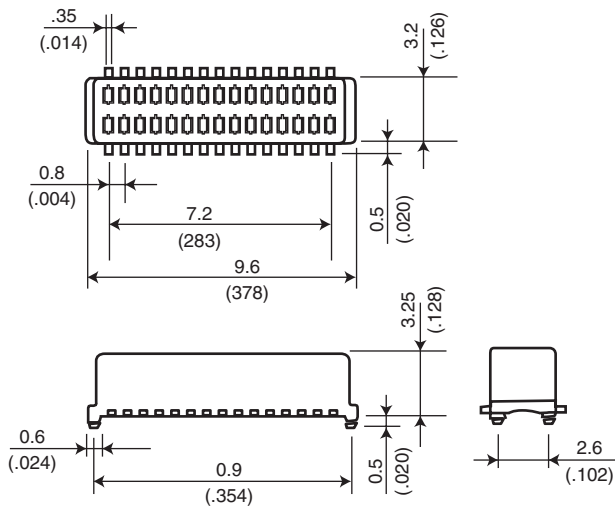
Description	Materials/Finishes
Insulator	Glass filled PPS (UL94V-0, Black)
Pin Contact	Copper Alloy/Tin Plating
Socket Contact	Phosphor Bronze /Tin plating
Hold Down	Phosphor Bronze /Tin plating

## ORDERING INFORMATION

IL-WX - 10 S - VF - B  
 IL-WX - 10 P B - HF - HD - S - B - E1000 E



Connector Profile (Ref.)



Dimensions and specifications subject to change without notice.

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# JAE

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



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