

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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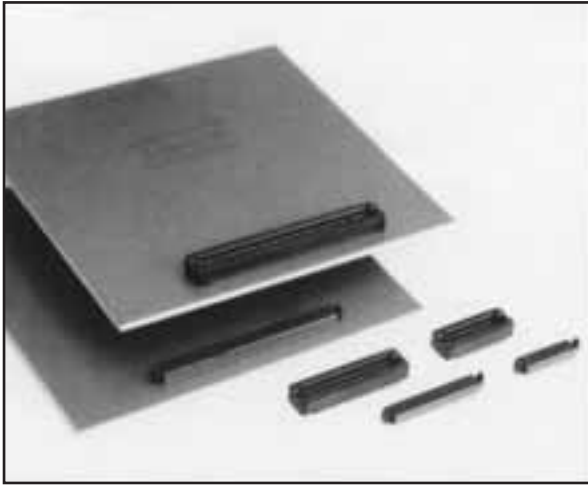
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this 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-312 SERIES CONNECTORS

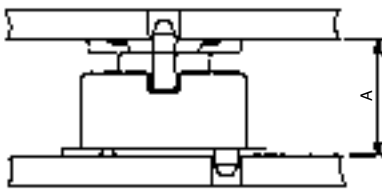
0.50mm (.020") Contact Spacing, PCB-to-PCB SMT Connectors



FEATURES

- SMT contacts
- 2.5mm (.098") to 3.5mm (.138") stacked height
- Surface area of both pin and socket connectors facilitates automatic mounting
- Contact terminal length permits image recognition
- Available on embossed tape for automatic mounting
- Lead free

Connector Profile (Ref.)



Stacking Height (A)

		Pin	
		Blank (standard)	30
Socket	Connector height code		
	Blank (standard)	2.5 (.098)	3.0 (.118)
	H05	3.0 (.118)	3.5 (.138)

.....

These high density SMT connectors are designed for parallel PCB-to-PCB applications. They are ideal for use in VCRs, notebook PCs, cordless telephones, mobile phones, audio/visual and other telecommunications equipment where reduced size and weight are important.

GENERAL SPECIFICATIONS

Number of Contacts	20, 30, 40, 50, 60, 70, 80, 100
Contact Spacing	0.50mm (.020")
Current Rating	0.3 Amp per contact
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	40 milliohms max.
Operating Temperature	-40°C to +85°C

MATERIALS AND FINISHES

Description	Materials/Finishes
Insulator	Heat-resistant plastic (UL94V-0, Black)
Contact	Copper alloy/Gold Plating: connecting area 0.1µm (.000004") min.

ORDERING INFORMATION

	IL-312	-	**	*	*	VF	**	-	A1
Series									
No. of Contacts	20, 30, 40, 50, 60, 70, 80, 100								
Contact Type	P – Pin S – Socket								
Polarizing Boss	Blank – No Boss B – Positioning Boss								
Termination Style	VF – Straight								
Connector Height Code	[Socket] Blank (Standard) – 2.15 (.085) H05 – 2.65 (.104) [Pin] Blank (Standard) – 1.55 (.061) 30 – 2.05 (.081)								
Finish Code	A1 – Gold Plating, 0.1µm (.000004") min.								

Dimensions and specifications subject to change without notice.

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JAE

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



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