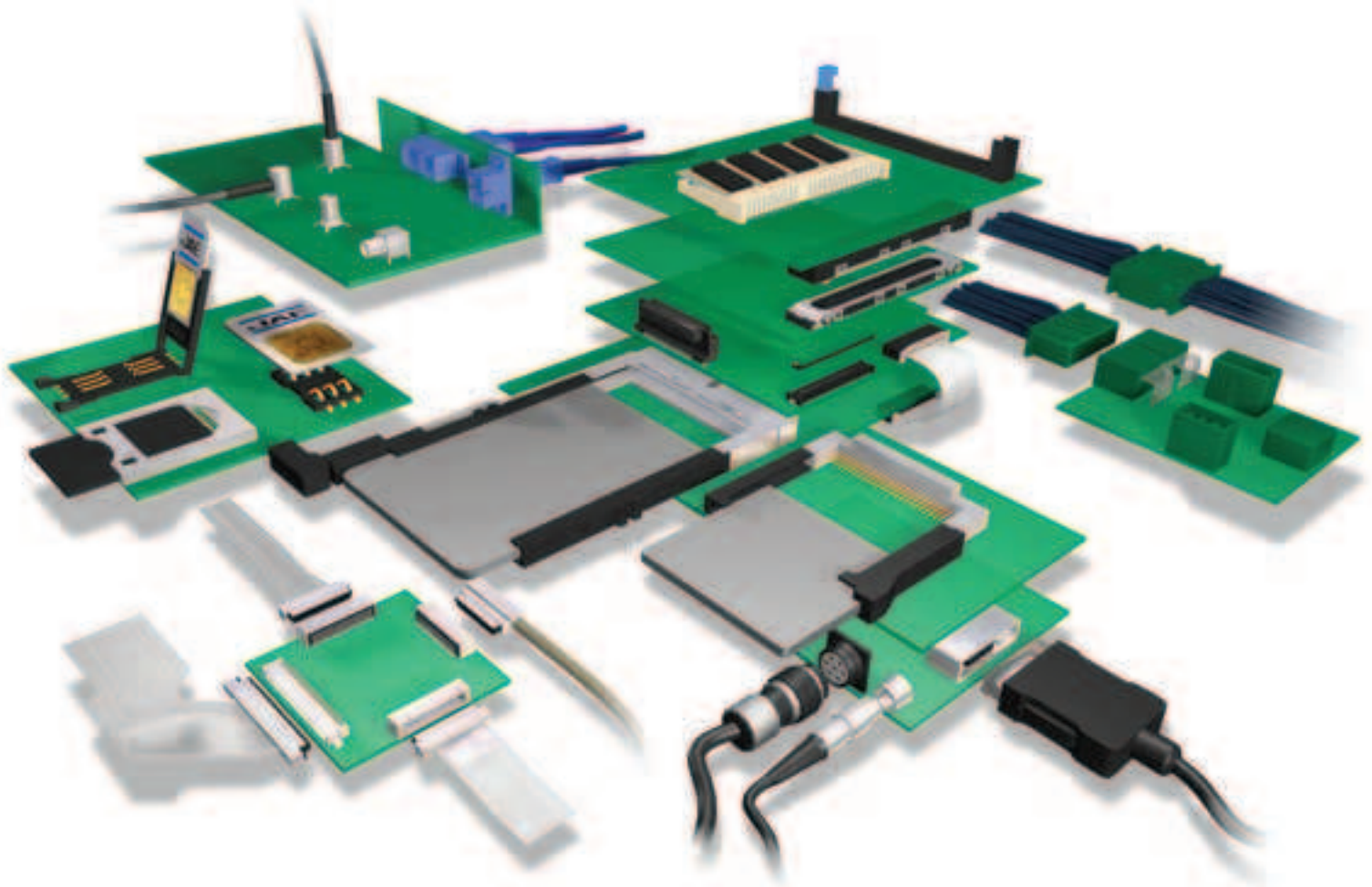


Technology to Inspire Innovation

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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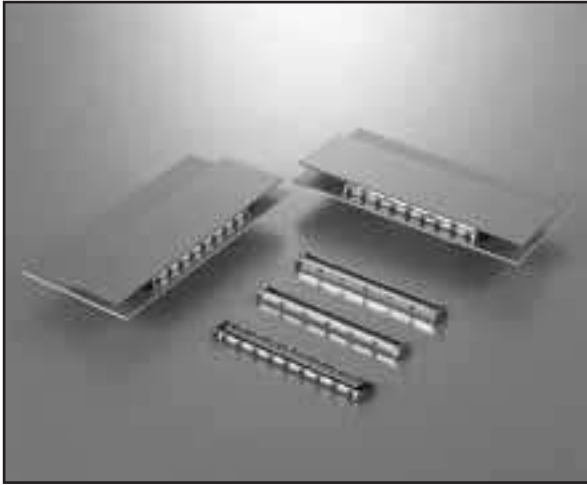
CABLE-TO-CABLE

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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.

WB3 SERIES CONNECTORS

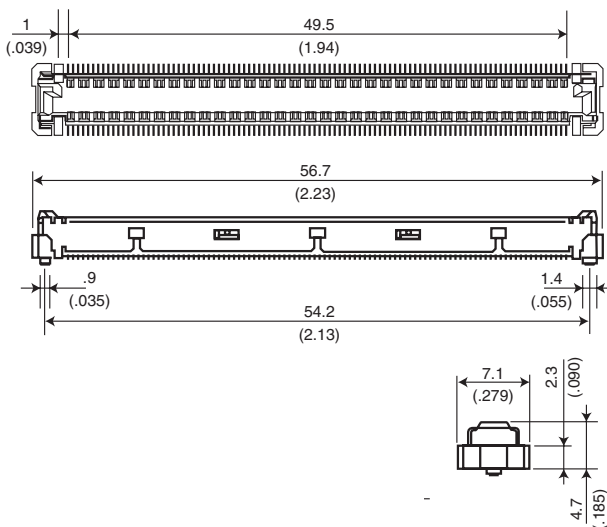
0.50mm (.020") Contact Spacing, Board to Board Connector Compatible with PCI Express



FEATURES

- Compliant with PCI Express Card Electrical Mechanical SPEC
- High density 0.5mm pitch type yet having a high level transmission characteristic and high speed transmission is possible.
- Contact configuration that enables transmission of PCI Express (X16), TMD5, VGA and others.
- Parallel board to board connection is possible. Stacking height, 4mm and 5mm are available.
- EMI shielding is applied.
- Compatible to automatic mounting. Available in embossed tape package.

Connector Profile (Ref.)



Dimensions in mm (inches).

.....

WB3 Series are board to board connectors satisfying the specification of the transmission characteristics specification of the PCI Express standard. Suitable for connections between units that need TMD5 transmission, such as graphic card and PCI Express.

GENERAL SPECIFICATIONS

Number of Contacts	20 pos
Contact Spacing	0.50mm (.020")
Contact Resistance	50 milliohms max.
Dielectric Withstanding Voltage	250VAC per minute
Operating Temperature	-40°C to +85°C
Rated Current	0.5A/per pin
Mating Cycle	25 cycle
Insertion loss	-1dB min. (1.25GHz max.) -5dB min. (3.75GHz max.)
Return loss	-12dB max. (1.3Ghz max.) -7dB max. (2Ghz max.) -4dB (3.75GHz max.)
Cross Talk (near end)	32dB max. (1.25Ghz max.) -26dB max. (3.75GHz max.)

MATERIALS AND FINISHES

• Receptable

Description	Materials/Finishes
Contact	Copper Alloy/ Contact: 0.76um min. Gold plating over Nickel Terminal: Gold flash plating over Nickel
Insulator	Thermoplastic resin UL94V-0 black
Shell	Copper alloy: Tin plating

• Plug

Contact	Copper Alloy/ Contact: 0.76um min. Gold plating over Nickel Terminal: Gold flash plating over Nickel
Insulator	Thermoplastic resin UL94V-0 black
Shell	Stainless steel: Tin plating

ORDERING INFORMATION

	WB3	*	200	V	D	*	R1000
Series							
Connector Type							
F - Receptacle Portion							
M - Plug Portion							
Number of Contacts							
V - Straight SMT, with hold down							
Plating Specification							
Modification Code							
1 - Copper plating							
2 - Stainless Steel Plating							
Tape and Reel							
R1000 - 1,000 pcs/reel							

Technology to Inspire Innovation

JAE

***"Building Technologies
to Connect Your World"***



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