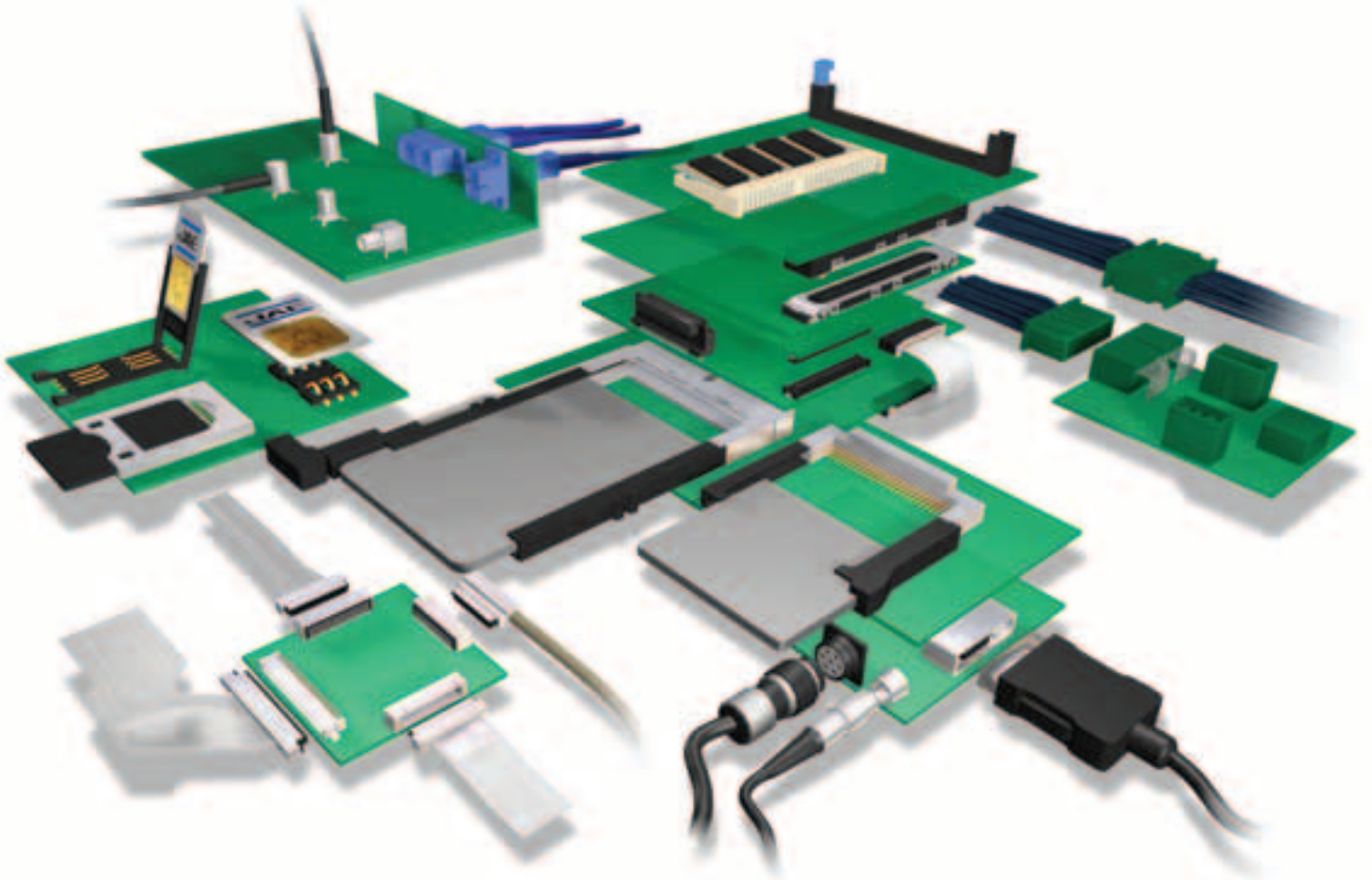


Technology to Inspire Innovation

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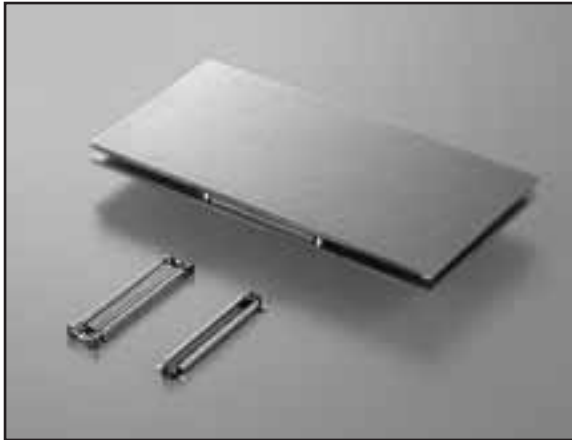
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

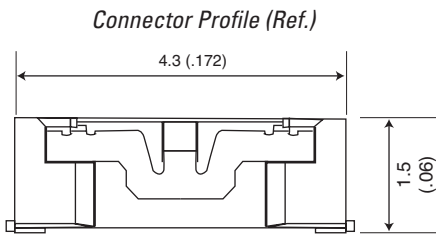
# AA01A SERIES CONNECTORS

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



### FEATURES

- 0.5mm (.020") pitch 2 row connector
- Low profile 1.5mm mating height
- Small space required on the board for mounting
- Guide on insulator mates connector automatically by assembly machine
- Large hold down for secure mounting
- Metal hold down covers corner and shorter side of connector to decrease contact stress
- Locking mechanism in each contact
- Unique design prevents solder wicking
- Each contact has two contact mating areas, for secure mating
- Anti-shock structure for drop testing
- Lead free



Dimensions in mm (inches).



The AA01A Series is a 0.5mm (.020") pitch, SMT, board-to-board connector with a 1.5mm (.059") stacking height. The fine pitch and low profile offer system designers a wide range of flexibility in order to meet the tight packaging requirements needed in applications such as PDAs, cell phones, camcorders, notebook PCs and other compact equipment.

### GENERAL SPECIFICATIONS

Number of Contacts	10, 30, 40, 60
Contact Spacing	0.5mm (.020")
Current Rating	0.2 Amp per contact
Withstanding Voltage	250 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	70 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 with Gold Plating Contact Area: 0.1 μm min.
Hold down	Copper Alloy with Tin Plating

### ORDERING INFORMATION

	<b>AA01A</b>	*	***	**	*	<b>R3000</b>
Series						
Connector Type						
P – Plug						
S – Socket						
No. of Contacts						
010 – 10 position						
030 – 30 position						
040 – 40 position						
060 – 60 position						
Connection Type						
VA – Stacking						
Contact Finish						
1 – Gold Plating						
Tape and Reel						
R3000 – 3,000 pcs/reel						

Technology to Inspire Innovation

# JAE

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



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