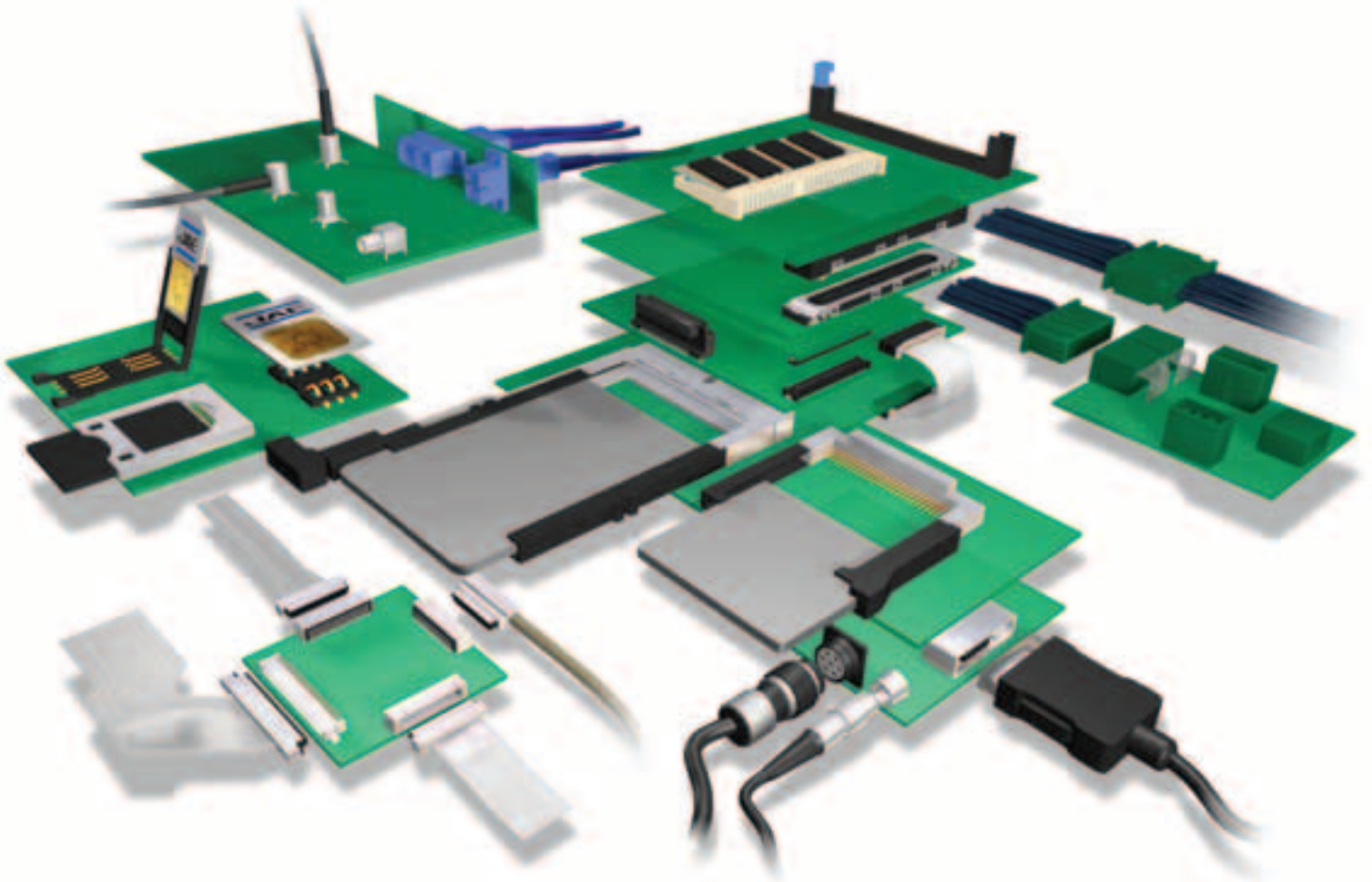


Technology to Inspire Innovation

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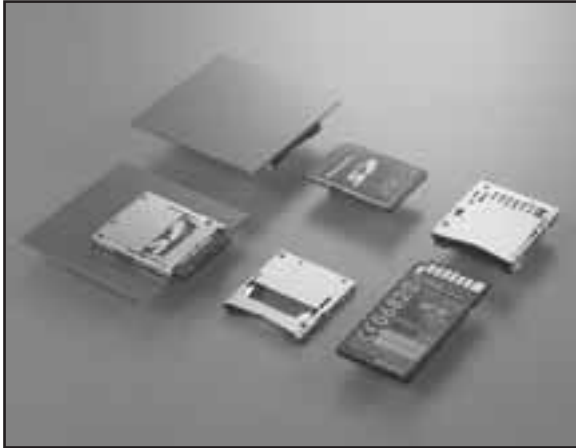
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

SG5 SERIES CONNECTORS

2.50mm (.098") Contact Spacing, Connector for SD Card



FEATURES

- Compact and low-profile
- Push-push mechanism to reduce the space occupied by the socket
- User-friendly design with audible click when inserting and removing card
- Mounting types: top of board, bottom of board (1.6mm (.063") standoff)
- Multi-Media card insertion available
- Friction lock for holding SD card (MultiMedia card cannot be locked)
- Audible click at insertion and removal
- Hot plug structure
- Card insertion detection mechanism
- Lock/unlock detection for SD card write protect switch
- 10,000 mating cycles durability
- Lead free



The SG5 Series is a low-profile, friction locking socket for SD (Secure Digital) memory cards, which are standardized as small memory and I/O cards for small mobile devices by the SDA (SD Card Association).

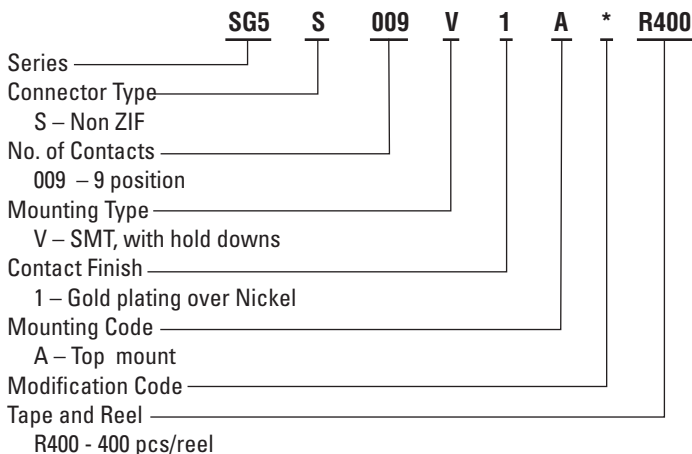
GENERAL SPECIFICATIONS

Number of Contacts	13 (9 contacts for card pad, 2 contacts for write protect switch detection structure and 2 contacts for card insertion detection structure)
Contact Spacing	2.50mm (.098")
Current Rating	0.5 Amp per contact (max.)
Dielectric Withstanding Voltage	500 V (for one minute)
Voltage Rating	3.3 V
Insulation Resistance	1000 megohms min.
Contact Resistance	100 milliohms max.
Operating Temperature	-25°C to +85°C

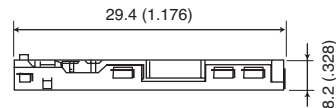
MATERIALS AND FINISHES

Description	Materials/Finishes
Contact	Copper Alloy Contact portion: Gold plating over Nickel Terminal portion: Gold flash plating over Nickel
Housing	Glass filled LCP
Eject Bar	Glass filled Nylon
Cover (including hold-down)	Stainless Steel
Cam follower	Stainless Steel
Spring	Piano wire/ Zinc galvanizing
Card lock	Stainless Steel
Hold down	Copper Alloy/ Gold flash plating over Nickel

ORDERING INFORMATION



Connector Profile (Ref.)



Dimensions in mm (inches).



Technology to Inspire Innovation

JAE

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



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