

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.

Table of Contents

| Product Series | Contact Spacing | Pages |
|--------------------------------|--------------------------------------|---------|
| SOCKETS/MEMORY PRODUCTS | | |
| PCMCIA | | |
| JC22..... | 1.27mm (.050")..... | 5 |
| COMPACT FLASH | | |
| JC26C2..... | 1.27mm (.050")..... | 6 - 7 |
| JC26E..... | 1.27mm (.050")..... | 8 |
| JC26F..... | 1.27mm (.050")..... | 9 |
| PCI EXPRESS MINI CARD | | |
| MM60..... | 0.8mm (.031")..... | 10 |
| EXPRESSCARD | | |
| PX10/11..... | 1.0mm (.039")..... | 11 - 12 |
| PX20/22..... | 1.0mm (.039") / 0.635mm (.025")..... | 13 - 14 |
| SMART/SIM CARD | | |
| SF2..... | 2.54mm (.100")..... | 15 |
| SF3..... | 2.54mm (.100")..... | 16 |
| SF6..... | 2.54mm (.100")..... | 17 |
| SF7..... | 2.54mm (.100")..... | 18 |
| SF7 (Slim)..... | 2.54mm (.100")..... | 19 |
| SF9..... | 2.54mm (.100")..... | 20 |
| SECURE DIGITAL CARD | | |
| SG5..... | 2.50mm (.098")..... | 21 |
| MINI SECURE DIGITAL CARD (SD) | | |
| ST4..... | 1.1mm (.043")..... | 22 |
| SC1..... | 2.50mm (.098")..... | 23 |
| MICRO SD/TRANSFLASH™ | | |
| ST1..... | 1.1mm (.043")..... | 24 |
| ST2..... | 1.1mm (.043")..... | 25 |

BOARD-TO-BOARD CONNECTOR PRODUCTS

| | | |
|-----------------------|---------------------|---------|
| BOARD-TO-BOARD | | |
| AA03..... | 0.40mm (.020")..... | 26 |
| WA6..... | 0.40mm (.020")..... | 27 |
| WH1..... | 0.40mm (.020")..... | 28 |
| AA01A..... | 0.50mm (.020")..... | 29 |
| IL-312..... | 0.50mm (.020")..... | 30 |
| WR..... | 0.50mm (.020")..... | 31 - 32 |
| WB3..... | 0.50mm (.020")..... | 33 |
| IL-WX..... | 0.80mm (.031")..... | 34 |
| KX14/15..... | 0.80mm (.031")..... | 35 - 36 |
| PM1..... | 0.80mm (.031")..... | 37 |
| WM1..... | 1.00mm (.039")..... | 38 |
| WM2..... | 1.00mm (.039")..... | 39 |
| TX24/TX25..... | 1.27mm (.050")..... | 40 |

Table of Contents

| Product Series | Contact Spacing | Pages |
|--|----------------------|---------|
| BOARD-TO-BOARD CONNECTOR PRODUCTS | | |
| WIRE-TO-BOARD | | |
| PCB-TO-FPC/FFC | | |
| FB3..... | 0.30mm (.012")..... | 41 |
| FB5..... | 0.30mm (.012")..... | 42 |
| FB6..... | 0.30mm (.012")..... | 43 |
| FF02..... | 0.30mm (.012")..... | 44 |
| FF02S..... | 0.30mm (.012")..... | 45 |
| FB8..... | 0.30mm (.012")..... | 46 |
| FA5..... | 0.50mm (.020")..... | 47 |
| FF03..... | 0.50mm (.020")..... | 48 |
| IL-FPR..... | 0.50mm (.020")..... | 49 |
| | | |
| PCB-TO-CABLE/FPC | | |
| FI-J..... | 0.40mm (.016")..... | 50 - 51 |
| FI-R..... | 0.50mm (.020")..... | 52 - 53 |
| FI-X..... | 1.00mm (.039")..... | 54 - 55 |
| FI..... | 1.25mm (.049")..... | 56 - 58 |
| | | |
| PCB-TO-CABLE | | |
| DX2/3..... | 0.80mm (.031")..... | 59 |
| FI-E..... | 1.00mm (.039")..... | 60 - 61 |
| CN10..... | | 62 - 63 |
| CV10..... | | 64 |
| IL-Z..... | 1.25mm (.049")..... | 65 - 66 |
| IL-S..... | 2.00mm (.079")..... | 67 - 68 |
| LY..... | 2.00mm (.079")..... | 69 |
| KD10/20..... | 2.00mm (.079")..... | 70 |
| IL-G..... | 2.50mm (.098")..... | 71 |
| | | |
| INPUT/OUTPUT CONNECTOR PRODUCTS | | |
| PCB-TO-CABLE | | |
| DD1..... | 0.50mm (.020")..... | 72 - 73 |
| DD2..... | 0.50mm (.020")..... | 74 - 75 |
| DG1..... | 0.50mm (.020")..... | 76 |
| RA1..... | 0.50mm (.020")..... | 77 |
| RC1..... | 0.50mm (.020")..... | 78 |
| DA1..... | 0.60mm (.024")..... | 79 |
| DE1..... | 1.27mm (.050")..... | 80 |
| TX20A..... | 1.27mm (.050")..... | 81 |
| DV2..... | 1.905mm (.075")..... | 82 - 84 |
| | | |
| CIRCULAR | | |
| JN1..... | | 85 - 86 |
| JN2..... | | 87 - 88 |
| JB5..... | | 89 |

Table of Contents

| <i>Product Series</i> | <i>Contact Spacing</i> | <i>Pages</i> |
|--|------------------------|--------------|
| INPUT/OUTPUT CONNECTOR PRODUCTS | | |
| CIRCULAR | | |
| JL04V | | 90 - 91 |
| JL05 | | 92 - 93 |
| JB1 | | 94 - 95 |
| SRCN | | 96 - 97 |
| N/MS | | 98 - 99 |
| FIBER OPTIC PRODUCTS | | |
| FO-FC | | 100 |
| FO-EX | | 101 |
| AUTOMOTIVE CONNECTOR PRODUCTS | | |
| PCB-TO-CABLE | | |
| MX34 | 1.1mm (.043") | 102 |
| MX7 | 2.30mm (.091") | 103 |
| IL-AG7 | 2.50mm (.098") | 104 |
| MX17 | 2.50mm (.098") | 105 - 106 |
| MX23A | 2.50mm (.098") | 107 - 108 |
| MX10 | 2.50mm (.098") | 109 |
| MX5 | 3.00mm (.118") | 110 |
| PCB-TO-CABLE/CABLE-TO-CABLE | | |
| IL-AG5 | 2.50mm (.098") | 111 |
| IL-AG6 | 2.50mm (.098") | 112 |
| MX9 | 3.50mm (.138") | 113 |
| MX25 | 6.7mm (2.64") | 114 |
| MX36 | 2.50mm (.098") | 115 |
| CABLE-TO-CABLE | | |
| IL-AG9 | 2.50mm (.098") | 116 - 118 |
| MX19 | 2.50mm (.098") | 119 |

- 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.

SRCN SERIES CONNECTORS

Low Cost, General Purpose Miniature Circular Connectors



FEATURES

- Miniature, lightweight, solid construction
- General purpose
- Low cost connector
- Product approved by UL standard: File No. E-67741 (s)
- Highly reliable contact finish
- Stable connections
- Positive polarization with five keys and keyways

Connector Profile (Ref.)



SRCN Series connectors are low cost, light weight, general purpose, circular connectors with soldering termination, recognized under the Component Program of Underwriter Laboratories, File No. E-67741 (S). Three styles are available for making connection between cables, and between cable and panel: Straight Plug, Cable Connecting Plug and Box Mounting Receptacle. Both pin and socket inserts are available in each style.

Applications include broadcast and communication systems, medical equipment, telecommunications, measurement equipment, business machines, computers and peripherals, automation equipment, tooling, controlling devices, vending machines, electronic entertainment equipment and other electronic equipment.

GENERAL SPECIFICATIONS

| | |
|---------------------------------|---|
| Number of Contacts | #16: 3, 7, 10, 16 #20: 5, 10, 16, 24 |
| Current Rating (Per contact) | 5 Amp max. for #20 contact 10 Amp max. for #16 contact |
| Operating Voltage | 250 VAC r.m.s., max. 350 VDC max. |
| Operating Temperature | -25°C to +85°C |
| Dielectric Withstanding Voltage | 250 VAC r.m.s. (for one minute) |
| Insulation Resistance | 1000 megohms min. |
| Contact Resistance | 5 milliohms max. |
| Durability | 500 cycles |

MATERIALS AND FINISHES

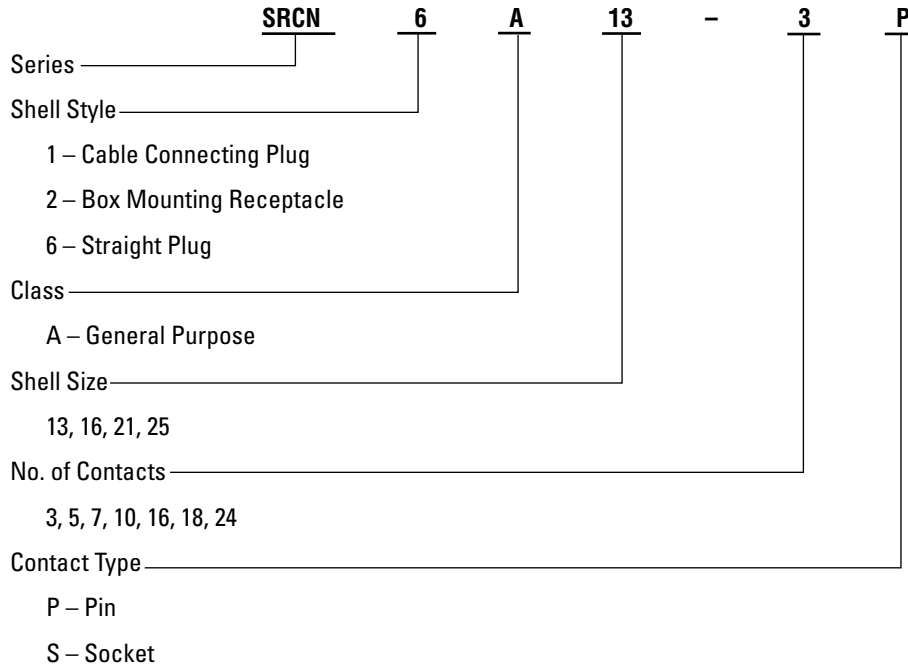
| Description | Materials/Finishes |
|---|---------------------------------------|
| Shell, Barrel, Endbell, Coupling Nut, Clamp | Aluminum alloy, Nickel Plated (satin) |
| Insulator | Synthetic resin, UL94V-0 (Green) |
| Contact | Copper alloy, Silver Plated |
| Retaining Ring | Copper alloy, Nickel Plated |
| Set Screw, Clamp Screw | Steel, Nickel Plated |

Dimensions and specifications subject to change without notice.

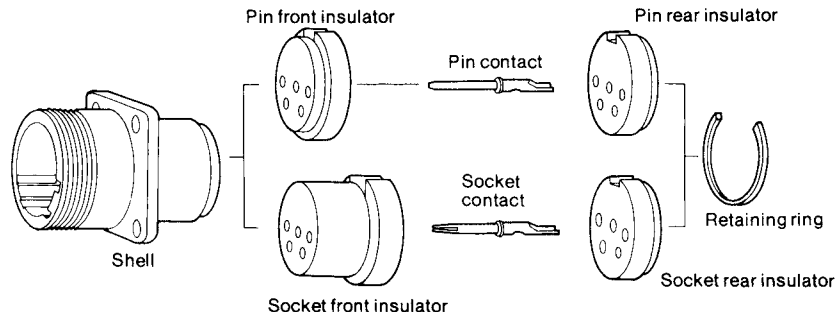
SRCN SERIES CONNECTORS

Low Cost, General Purpose Miniature Circular Connectors

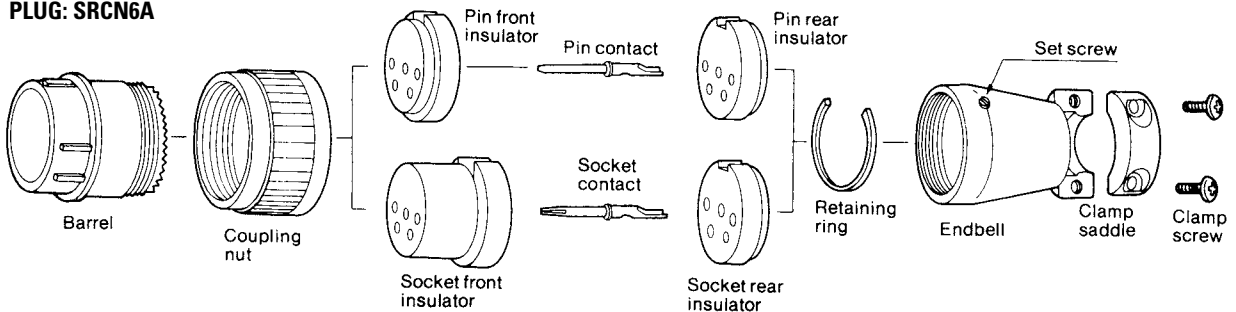
ORDERING INFORMATION



RECEPTACLE: SRCN2A



PLUG: SRCN6A



Dimensions in mm (inches).

Technology to Inspire Innovation

JAE

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



Japan Aviation Electronics Industry, Limited

1-19, Aobadai 3-chome, Meguro-ku
Tokyo 153-8539, Japan
Telephone: 03-3780-2736
Fax: 03-3780-2883

JAE Electronics, Inc.

142 Technology Drive, Suite 100
Irvine, California 92618-2430, U.S.A.
Telephone: 949-753-2600
Fax: 949-753-2699
800-523-7278 Toll free in the U.S.A.

JAE Europe

Coliseum Business Centre
Riverside Way, Camberley
Surrey, GU15 3YL, England
Telephone: 44-1276-404000
Fax: 44-1276-404010

JAE Taiwan, Ltd.

4F-1, No. 88, Chung Hsiao E. Rd.
Sec. 2, Taipei, Taiwan, R.O.C.
Telephone: 886-2-2396-7676
Fax: 886-2-2392-5929

JAE Hong Kong, Ltd.

Suites 1407-11, 14/F, Tower 2, The Gateway,
25 Canton Road, Tsimshatsui, Kowloon, Hong Kong
Telephone: 852-2723-7782
Fax: 852-2723-9028

JAE Korea, Inc.

1602, Korea City Air Tower
159-9 Samsung-Dong, Kangnam-ku
Seoul, 135-973, Korea
Telephone: 82-2-551-8959
Fax: 82-2-551-8958

JAE Philippines, Inc.

PEZA Zone, Gateway Business Park, Javalera
General Trias, 4107 Cavite, Philippines
Telephone: 63-46-433-0285
Fax: 63-46-433-0287

JAE Singapore Pte., Ltd.

33 Tannery Lane, #02-01 Hoesteel
Industrial Building
Singapore 347789
Telephone: 65-6748-1332
Fax: 65-6748-2920

JAE Shanghai Co., Ltd.

RM 1407, Shanghai Mart 2299 Yanan Rd.
West Shanghai 200336 P.R.C.
Telephone: 86-21-6236-0322
Fax: 86-21-6236-1292

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

JAE Electronics:

[SRCN1A13-5S](#) [SRCN2A13-3P](#) [SRCN2A13-5S](#) [SRCN1A13-3P](#) [SRCN6A13-3S](#) [SRCN2A13-3S](#) [SRCN6A13-5S](#)
[SRCN2A13-5P](#) [SRCN6A13-5P](#) [SRCN1A13-5P](#) [SRCN6A16-10P](#) [SRCN2A16-10P](#) [SRCN2A16-10S](#) [SRCN1A25-16P](#)
[SRCN2A25-16S](#) [SRCN1A16-7P](#) [SRCN2A16-7P](#) [SRCN6A16-7P](#) [SRCN6A25-16P](#) [SRCN2A21-10P](#) [SRCN1A21-10S](#)
[SRCN6A21-10P](#) [SRCN2A21-16P](#) [SRCN6A21-16S](#) [SRCN2A21-10S](#) [SRCN6A21-16P](#) [SRCN1A21-16S](#) [SRCN1A16-](#)
[10S](#) [SRCN1A21-10P](#) [SRCN2A25-24P](#) [SRCN6A21-18P](#) [SRCN6A21-18S](#) [SRCN2A25-16P](#) [SRCN6A13-5SX](#)
[SRCN2A21-18P](#) [SRCN2A16-10P-TH-N](#) [SRCN6A13-3SX](#) [SRCN2A21-18S](#) [SRCN2A13-5PX](#)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.