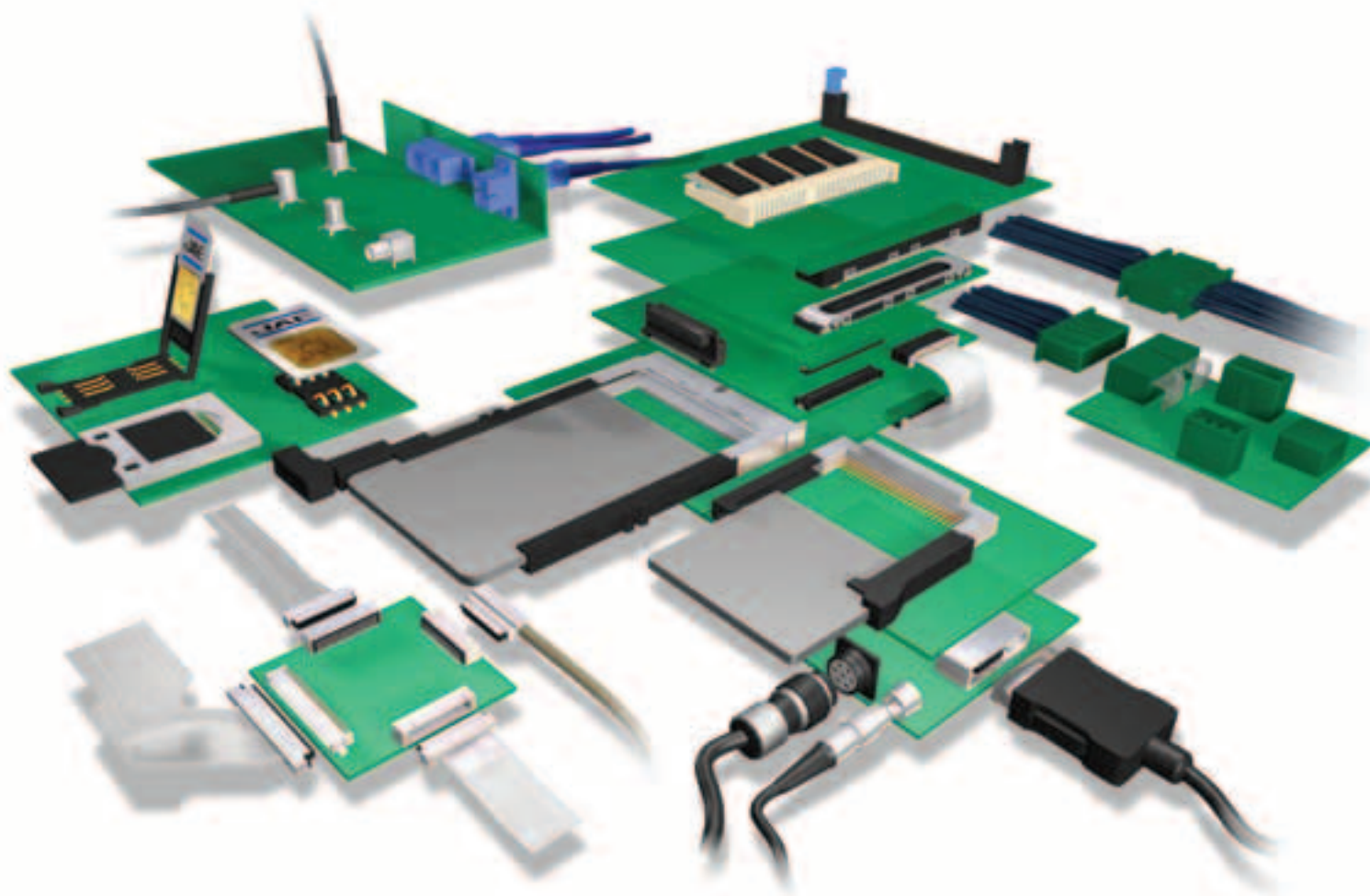


# ***Preferred Connector Products***

Technology to Inspire Innovation

# **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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- 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

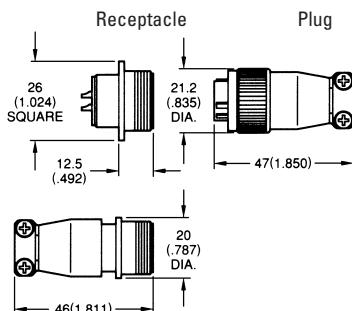
## Low Cost, General Purpose Miniature Circular Connectors



### 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<br>#20: 5, 10, 16, 24                   |
| Current Rating<br>(Per contact) | 5 Amp max. for #20 contact<br>10 Amp max. for #16 contact |
| Operating Voltage               | 250 VAC r.m.s., max.<br>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                                                |

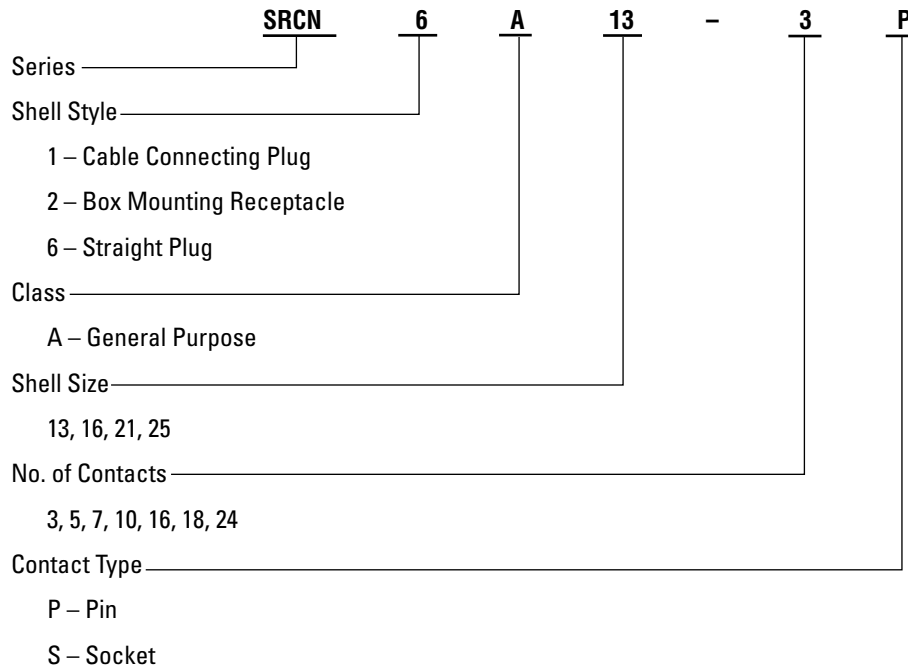
### MATERIALS AND FINISHES

| 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                  |

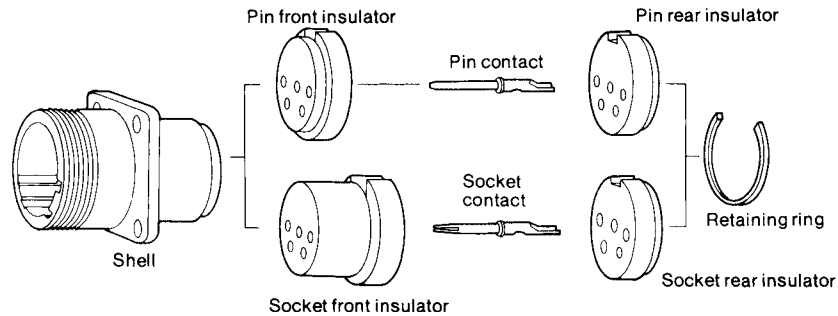
# SRCN SERIES CONNECTORS

*Low Cost, General Purpose Miniature Circular Connectors*

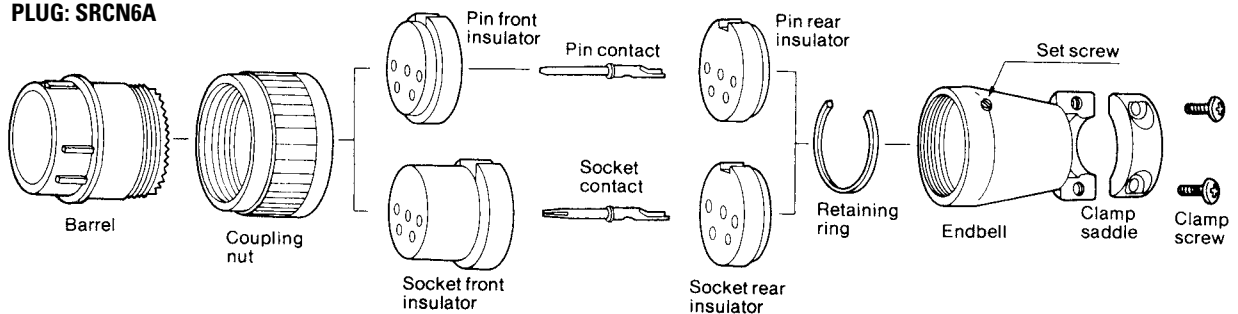
## ORDERING INFORMATION



## RECEPTACLE: SRCN2A



## PLUG: SRCN6A



Dimensions in mm (inches).



Technology to Inspire Innovation



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



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