

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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- 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.

JB5 SERIES CONNECTORS

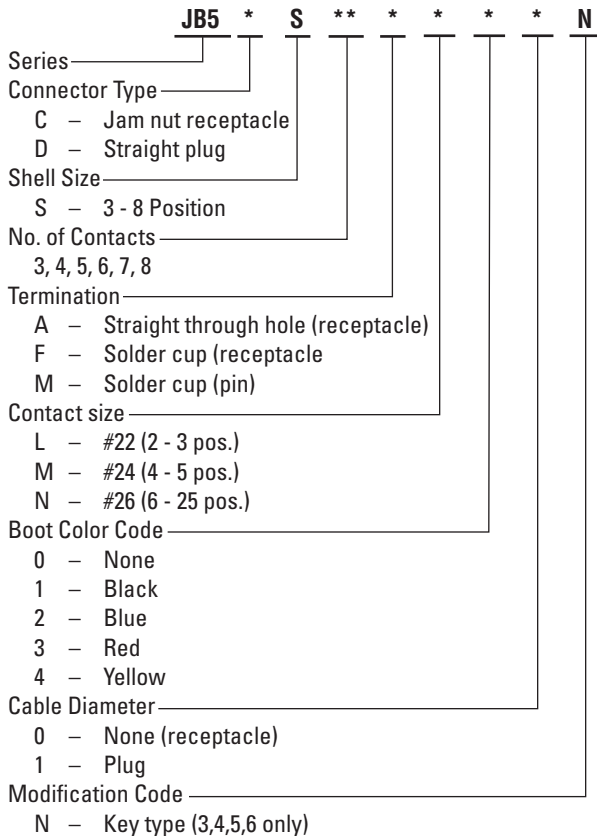
General Purpose Waterproof Circular Connector



FEATURES

- Waterproof to IP68 rating
- Push-pull locking structure
- Audible "click" confirms secure locking when mating
- Metal outer parts and ground terminal installed in receptacle to ensure shield effect
- Mis-mating can be prevented with color boot variations
- Operates at speeds up to 20Mbps (based on USB 1.1)
- 5,000 mating cycles

ORDERING INFORMATION



Dimensions in mm (inches).



The Micro Circular JB5 is a small diameter circular connector with watertight sealing to IP68 and a convenient secure push-pull mating system. This product is excellent for use in devices such as handheld PCs, handheld scanners, medical monitors and other devices used in outdoor or splash-prone environments.

GENERAL SPECIFICATIONS

Number of Contacts	3, 4, 5, 6, 8
Current Rating	2 Amp per contact
Dielectric Withstanding Voltage	750 VAC r.m.s. (for one minute)
Insulation Resistance	1000 megohms min.
Contact Resistance	50 milliohms max.
Operating Temperature	-55°C to +85°C
Applicable wire size	#22, #24, #26, #28 AWG

MATERIALS AND FINISHES

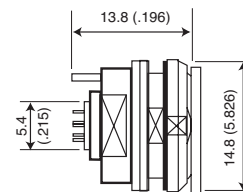
•Receptacle

Description	Materials/Finishes
Insulator	Glass filled LCP
Contact	Copper/ Gold plating 0.76µm (.030") over Nickel
Shell	Copper/ Chromium Plated
O Ring	Synthetic rubber
Gasket	Synthetic rubber
Assembly Nut	Copper/ Chromium Plated

•Plug

Description	Materials/Finishes
Insulator	Glass filled LCP
Contact	Copper/ Gold plating 0.76µm (.030") over Nickel
Barrel	Zinc/ Nickel Plated
Coupling nut	Copper/ Chromium Plated
Spacer	Copper/ Nickel Plated
Spring	Copper/ Nickel Plated
Shield sleeve	Copper/ Nickel Plated
Bushing	Synthetic rubber
Gland nut	Copper/ Chromium Plated
Clamp	Copper/ Nickel Plated
Boot	Elastomer
Outer boot clamp	Synthetic resin

Connector Profile (Ref.)



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JAE

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



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