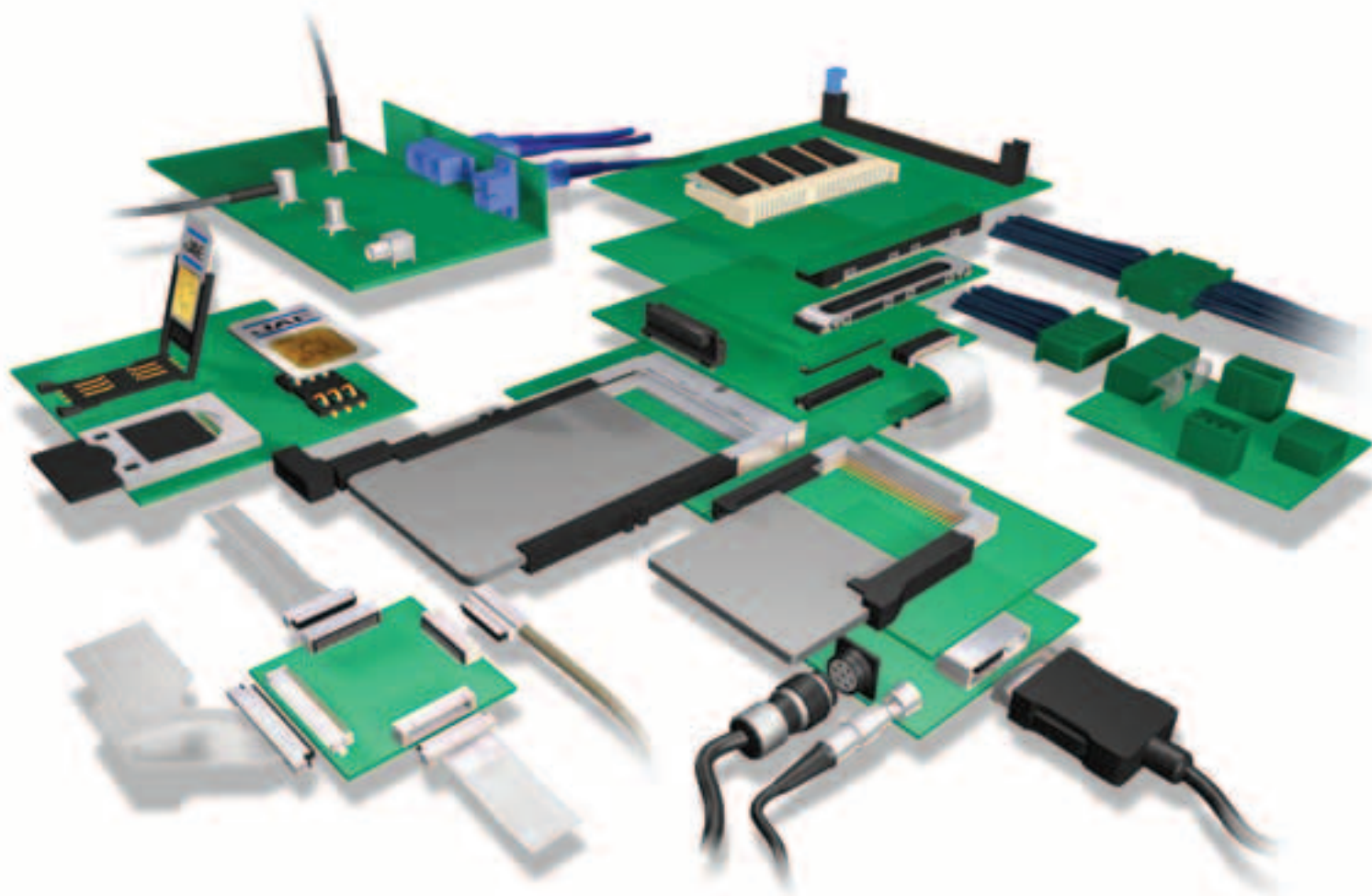


Technology to Inspire Innovation

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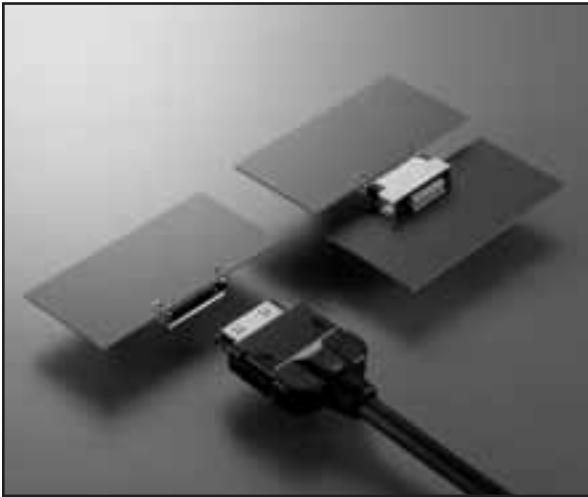
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

DD2 SERIES CONNECTORS

0.50mm (.020") Contact Spacing, Connector conforming to USB2.0 Standard



FEATURES

- Guide rail enhances twisting resistance at insertion and removal
- Secure ground connection for EMI prevention
- Conforms to transmission specified in USB2.0 Standard

Receptacle

- Compact design, minimized mounting area: 19.25mm (.76") width, 8.6mm (.39") depth and 3.8mm (.15") height
- Hot-plug structure
- Available on embossed tape for automatic mounting

Cradle

- Minimized mounting area 13.8mm (.54") depth (terminal not included)
- Minimum alignment range of 1.0mm (.039") on guide structure for easy handling
- Available on embossed tape for automatic mounting

Plug

- Side-lock type
- Simple and reduced components for assembly ease
- Standard cable diameter 5.0mm. Cables with other diameters can also be used

.....

The DD2 Series of connectors are double-line rectangular connectors with 0.5mm pitch stroke conforming to USB2.0 Standard.

GENERAL SPECIFICATIONS

Number of Contacts	40 pos.
Contact Spacing	0.50mm (.020")
Contact Resistance	50 milliohms max. (initial)
Dielectric Withstanding Voltage	300DCV per minute
Insulation Resistance	1,000 megohms min. (initial)
Rated Current	for signal .05A for power 1.0A
Rated Voltage	30VAC r.m.s.
Operating Temperature	-25°C to +75°C
Mating Cycle	10,000 times

MATERIALS AND FINISHES

Description	Materials/Finishes
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• **Receptacle**

Contact	Copper Alloy Contact: Gold Plating over Nickel Terminal: Tin Plating over Nickel
Insulator	Glass Filled Nylon Resin
Shell	Stainless Steel Main Frame: Nickel Plating Through-hole: Tin Plating over Nickel

• **Cradle**

Contact	Copper Alloy Contact: Gold Plating over Nickel Terminal: Gold Plating over Nickel
Insulator	Glass Filled Nylon Resin
Shell	Stainless Steel Main Frame: Nickel Plating Through-hole: Tin Plating over Nickel

•Plug

Contact	Copper Alloy Contact: Gold Plating over Nickel Terminal: Gold Flash Plating over Nickel
Insulator	Glass Filled Nylon Resin
Shell	Stainless Steel/Nickel Plating
Hood	Glass Filled Polycarbonate/Color: Black
Lock Spring	Stainless Steel/Nickel Plating
Clamp Barrel	Brass/Nickel Plating
Bushing	PVC/Color: Black

DD2 SERIES CONNECTORS

0.50mm (.020") Contact Spacing, Stroke Connector conforming to USB2.0 Standard

ORDERING INFORMATION

• Receptacle

DD2 - R 040 H P 2

Series _____
 Receptacle _____
 No. of Contacts: 40 pos. _____
 Connector Type: H - Hold Down _____
 Plating Specification _____
 P - Contact Area: Gold Plating: 0.1µm min.
 Terminal Area: Gold Flash Plating
 Modification Code _____

ORDERING INFORMATION

• Plug

DD2 - P 040 M A 1

Series _____
 P - Plug _____
 No. of Contacts: 40 pos. _____
 Connector Type: M - Soldered to Cable _____
 Plating Specification _____
 A - Contact Area: Gold Plating: 0.1µm min.
 Terminal Area: Gold Flash Plating
 Modification Code _____

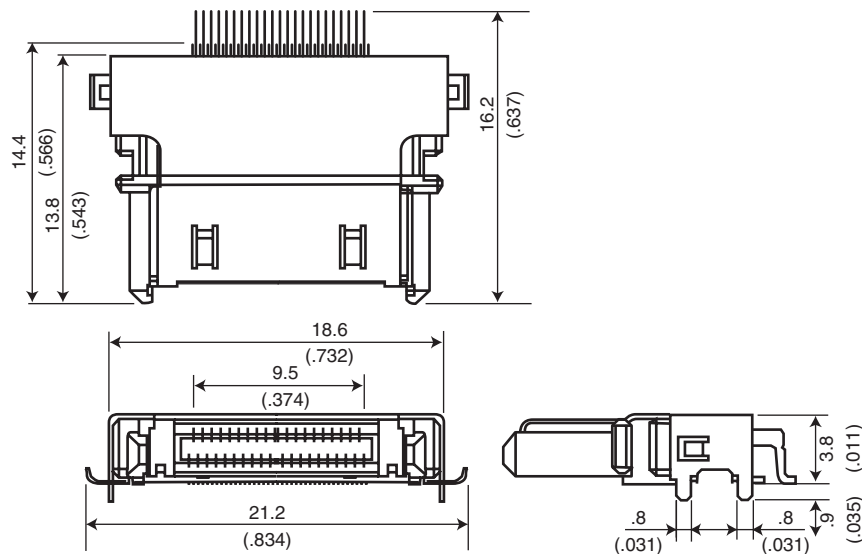
ORDERING INFORMATION

• Cradle

DD2 - B 040 H A 2

Series _____
 B - Cradle _____
 No. of Contacts: 40 pos. _____
 Connector Type: H - Hold Down _____
 V - 75 degree Tilted Type
 Plating Specification _____
 A - Contact Area: Gold Plating: 0.1µm min.
 Terminal Area: Gold Flash Plating
 Modification Code _____

Connector Profile (Ref.)



Dimensions in mm (inches).

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



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