Technology to Inspire Innovation

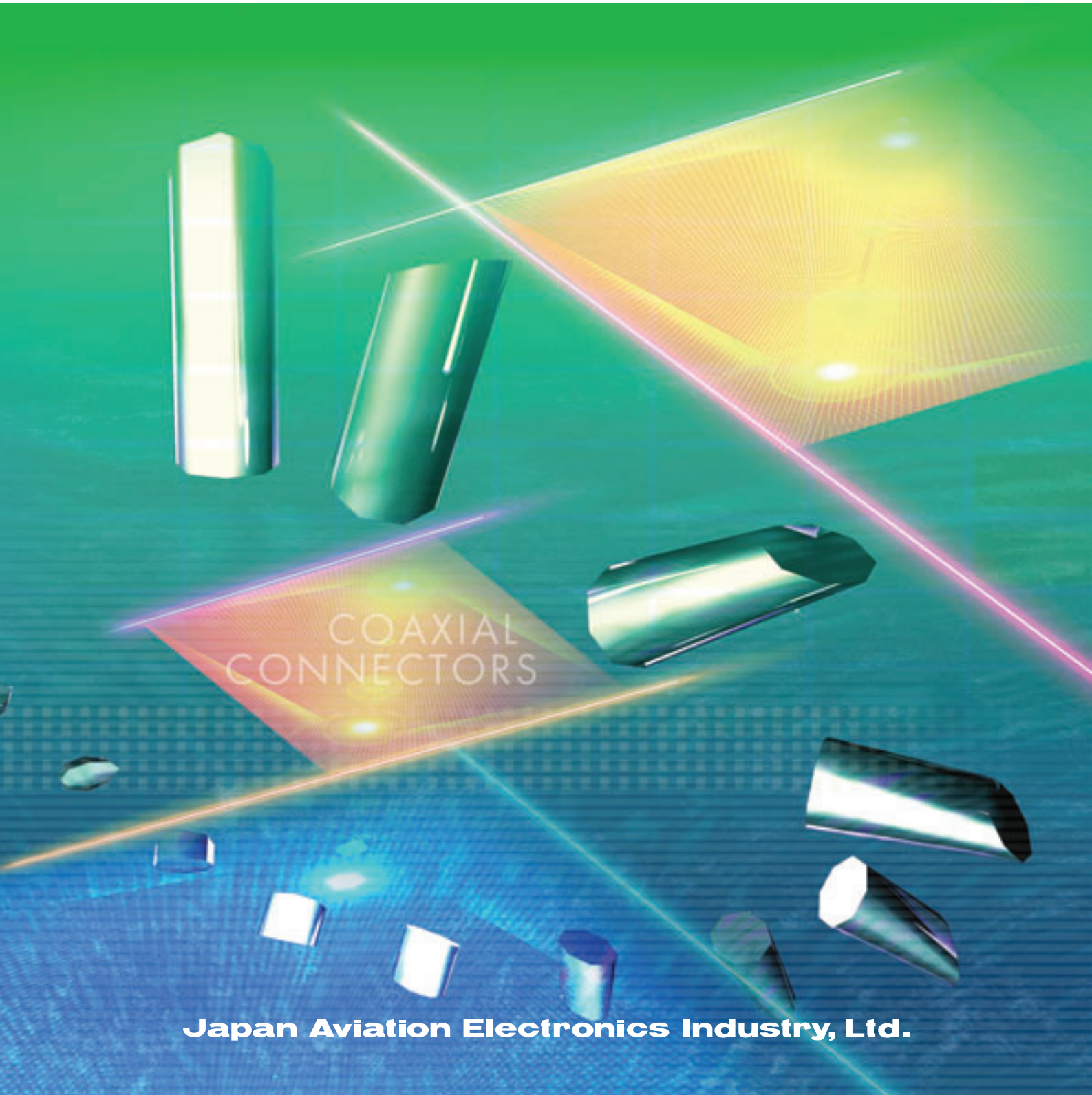
JAE

RoHS Compliant

COAXIAL CONNECTORS

2008

CAT.NO.COAX-007A-E.FEB.2008



Japan Aviation Electronics Industry, Ltd.

■ FREQUENCY RANGE TO 3GHz
■ COAXIAL CONTACTS FOR D sub CONNECTORS

CJ4 Series



Coaxial contacts compatible with our general-purpose rectangular D sub connectors of D*M series with special contact arrangements. Mountable on a wide variety of D sub connectors with diverse accessories, they can be used for a broad spectrum of applications with different types of mounts.
These units are high performance models with an applicable frequency range from DC to 3 GHz and with a voltage standing wave ratio (VSWR) of 1.2 or lower.

- ●An original design based on our excellent high frequency technology provides outstanding reliability and performance.
- ●Cable to cable application with D sub connectors that can accommodate coaxial contacts. (Note)
- ●Applications : Base Station for Mobile Communications, Wireless Applications, Measuring Instruments.

(Note) For applicable connectors of D*M series, see the additional documents. Also applicable to board-to-cable connection (JAE's D sub connectors of D*ML series).
For details, contact us.

■SPECIFICATIONS

Characteristic Impedance	50Ω
Frequency Range	DC to 3GHz
D. W. Voltage	AC500Vr.m.s. (1minute)
Insulation Resistance	500 megohms min. (DC500V)
Contact Resistance	Center Contacts : 10 milliohms max. Outer Contacts : 10 milliohms max.
V. S. W. R.	1.2 max. (DC to 3GHz)
Applicable Cables	1.5D-V, 1.5D-W, UT85

■MATERIALS/FINISHES

Description	Materials/Finishes
Contacts	Copper Alloy/Gold Plated over Nickel
Insulator	PTFE
Shell	Copper Alloy/Gold Plated over Nickel 15DV, 15DW Type body : Nickel plated
Retaining Ring	Copper Alloy/Nickel Plated
Ferrule	Copper Alloy/Nickel Plated

■Types and Combinations

Jack

●Contact
P/N : CJ4F00※D**



Plug

●Contact
P/N : CJ4A00※D**



In addition to independent cable application type, we also harness products which satisfy your specification are available.
For details please consult us.

■Guide to Operation Manuals

When using any of these products, please confirm the following operation manuals.

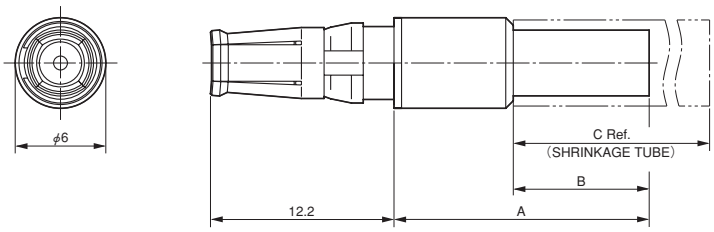
- For 1.5D-V and 1.5D-W cables : JAHL-20024-1
- For 0.085 inch semi-flexible cables : JAHL-20024-2

■JACK (For Socket Connector)
■PLUG (For Pin Connector)

Dimensions in millimeters

■JACK · CONTACTS





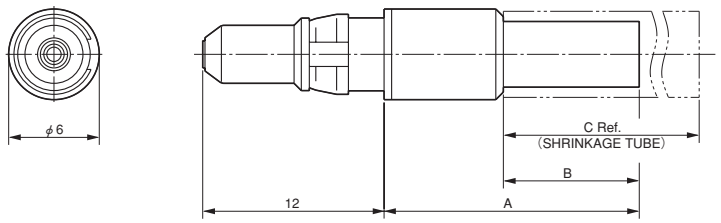
(Note) The picture on the above shows the CJ4F001D37.
The shapes of other models vary slightly.

■Part Number/Dimensions

Cable Type (Equivalent)	Part Number	A	B	C Ref.
1.5D-2V	CJ4F001D37	16.9 Ref.	9	—
1.5D-2W	CJ4F002D37	16.9 Ref.	9	20
0.085 inch Semi-flexible	CJ4F003DB2	12.4	5	13

■PLUG · CONTACTS





(Note) The picture on the above shows the CJ4A001D37.
The shapes of other models vary slightly.

■Part Number/Dimensions

Cable Type (Equivalent)	Part Number	A	B	C Ref.
1.5D-2V	CJ4A001D37	16.9 Ref.	9	—
1.5D-2W	CJ4A002D37	16.9 Ref.	9	20
0.085 inch Semi-flexible	CJ4A003DB2	12.4	5	13

《Applicable connectors》

Applicable to general-purpose rectangular D sub connectors of D*M series with special contact arrangements.
For details, see the additional documents.
Also applicable to board-to-cable connection (D*ML series).
For details, contact us.

Before placing an order

①The values specified in this catalogue are only for reference. The products and specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products. For purchase, a product specification must be agreed upon.
②Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.
③The products presented in this catalogue are designed for the uses recommended below.
We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1)Applications that require consultation:

(i)Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:
Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.

(ii)We may separately give you our support with a quality assurance program that you specify, when you think of a use such as:
Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2)Recommended applications include:

Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

COAXIAL
CONNECTORS

Japan Aviation Electronics Industry, Limited

1-19, Aobadai 3-chome, Meguro-ku, Tokyo 153-8539, Japan
Telephone: (81) 3-3780-2768 Facsimile: (81) 3-3780-2883

http://www.jae.com
http://www.jae-connector.com

JAE Electronics, Inc.
142 Technology Drive, Suite 100 Irvine, California 92618-2430, U.S.A.
Telephone: (1) 949-753-2600 Facsimile: (1) 949-753-2699
(800) JAE-PART (523-7278) Toll free in U.S.A. except in California and Alaska

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JAE Europe, Ltd.
Coliseum Business Center, Riverside Way, Camberley, Surrey GU15 3YL, U.K.
Telephone: (44) 1276-404000 Facsimile: (44) 1276-404010

JAE Taiwan, Ltd. <Taipei Branch Office>
4F-1, No.88, Sec.2, Chung Hsiao E.Rd., Taipei, Taiwan, R.O.C.
Telephone: (886) 2-2396-7676 Facsimile: (886) 2-2392-5929

JAE Hong Kong, Ltd.
Suites 1407-11,14/F., Tower2, The Gateway, 25 Canton Road,
Tsimshatsui, Kowloon, Hong Kong
Telephone: (852) 2723-7782 Facsimile: (852) 2723-9028

JAE Shanghai Co., Ltd.
RM1407, Shanghai Mart 2299 Yanan Road (West) Shanghai, 200336 P.R.C.
Telephone: (86) 21-6236-0322 Facsimile: (86) 21-6236-1292

JAE Singapore Pte Ltd.
33 Tannery Lane, #02-01 Hoesteel Industrial Building, Singapore 347789
Telephone: (65) 6748-1332 Facsimile: (65) 6748-2920

JAE Korea, Inc.
1602, City Air Tower, 159-9, Samsung-dong, Gangnam-gu, Seoul, 135-973 Korea
Telephone: (82) 2-551-8959 Facsimile: (82) 2-551-8958

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