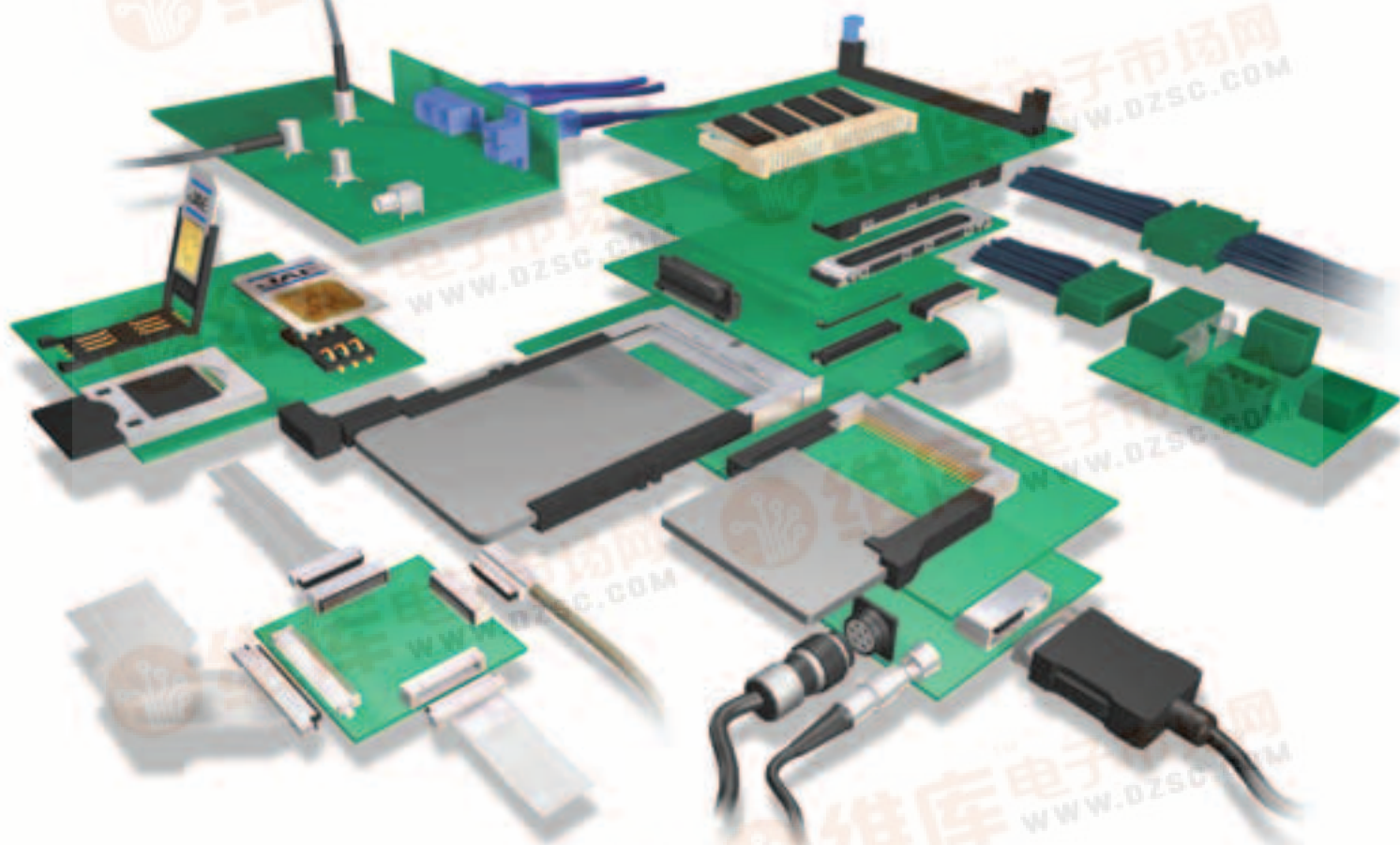


[查询"JN2MS15UL1X"供应商](#)

Technology to Inspire Innovation

**Preferred  
Connector Products**

**JAE**



**JAE Electronics, Inc.**

For Additional Information Visit [www.jae-connector.com](http://www.jae-connector.com)



---

## Introduction

**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.

## Table of Contents

| Product Series                           | Contact Spacing                 | Pages   |
|------------------------------------------|---------------------------------|---------|
| <b>SOCKETS/MEMORY PRODUCTS</b>           |                                 |         |
| 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      |
| <b>BOARD-TO-BOARD CONNECTOR PRODUCTS</b> |                                 |         |
| 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   |
|------------------------------------------|-----------------------|---------|
| <b>BOARD-TO-BOARD CONNECTOR PRODUCTS</b> |                       |         |
| 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      |
| <b>INPUT/OUTPUT CONNECTOR PRODUCTS</b>   |                       |         |
| 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> |
|----------------------------------------|------------------------|--------------|
| <b>INPUT/OUTPUT CONNECTOR PRODUCTS</b> |                        |              |
| <b>CIRCULAR</b>                        |                        |              |
| JL04V .....                            |                        | 90 - 91      |
| JL05 .....                             |                        | 92 - 93      |
| JB1 .....                              |                        | 94 - 95      |
| SRCN .....                             |                        | 96 - 97      |
| N/MS .....                             |                        | 98 - 99      |
| <b>FIBER OPTIC PRODUCTS</b>            |                        |              |
| FO-FC .....                            |                        | 100          |
| FO-EX .....                            |                        | 101          |
| <b>AUTOMOTIVE CONNECTOR PRODUCTS</b>   |                        |              |
| <b>PCB-TO-CABLE</b>                    |                        |              |
| 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          |
| <b>PCB-TO-CABLE/CABLE-TO-CABLE</b>     |                        |              |
| 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          |
| <b>CABLE-TO-CABLE</b>                  |                        |              |
| 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.



## JN2 SERIES CONNECTORS

### General Purpose Waterproof, Miniature Connectors

#### ORDERING INFORMATION

##### • Receptacle/Plug

|                       |                                               |          |          |          |          |          |          |          |
|-----------------------|-----------------------------------------------|----------|----------|----------|----------|----------|----------|----------|
|                       | <b>JN2</b>                                    | <b>*</b> | <b>*</b> | <b>*</b> | <b>*</b> | <b>*</b> | <b>*</b> | <b>*</b> |
| Series                |                                               |          |          |          |          |          |          |          |
| Connector type        |                                               |          |          |          |          |          |          |          |
| A                     | Panel Mount, Receptacle                       |          |          |          |          |          |          |          |
| D                     | Straight Plug                                 |          |          |          |          |          |          |          |
| F                     | Angle Plug                                    |          |          |          |          |          |          |          |
| M                     | Panel Mount, Plug                             |          |          |          |          |          |          |          |
| Shell Size            |                                               |          |          |          |          |          |          |          |
| S                     | connection outer dia.<br>(10 dia. to 15 dia.) |          |          |          |          |          |          |          |
| No. of Contacts       |                                               |          |          |          |          |          |          |          |
| 04                    | 4 pins                                        |          |          |          |          |          |          |          |
| 10                    | 10 pins                                       |          |          |          |          |          |          |          |
| 15                    | 15 pins                                       |          |          |          |          |          |          |          |
| Connection Method     |                                               |          |          |          |          |          |          |          |
| U                     | Through-hole pin                              |          |          |          |          |          |          |          |
| M                     | Pin with solder                               |          |          |          |          |          |          |          |
| S                     | Crimp socket                                  |          |          |          |          |          |          |          |
| F                     | Socket with soldering                         |          |          |          |          |          |          |          |
| Contact size          |                                               |          |          |          |          |          |          |          |
| K                     | #20                                           |          |          |          |          |          |          |          |
| L                     | #22                                           |          |          |          |          |          |          |          |
| Modify Cable Diameter |                                               |          |          |          |          |          |          |          |
| 1                     | 5.7mm (.224") to 7.3mm (.287") diameter       |          |          |          |          |          |          |          |
| 2                     | 6.5mm (.256") to 8.0mm (.315") diameter       |          |          |          |          |          |          |          |
| Mating key type       |                                               |          |          |          |          |          |          |          |
| None                  | Normal                                        |          |          |          |          |          |          |          |
| X                     | Alternate insert position                     |          |          |          |          |          |          |          |

##### • Contacts

|                      |                      |          |           |          |           |          |          |          |              |
|----------------------|----------------------|----------|-----------|----------|-----------|----------|----------|----------|--------------|
|                      | <b>JN1</b>           | <b>-</b> | <b>22</b> | <b>-</b> | <b>**</b> | <b>-</b> | <b>*</b> | <b>-</b> | <b>*****</b> |
| Series               |                      |          |           |          |           |          |          |          |              |
| Connector type       |                      |          |           |          |           |          |          |          |              |
| #22                  |                      |          |           |          |           |          |          |          |              |
| Applicable Wire Size |                      |          |           |          |           |          |          |          |              |
| 20                   | #20 AWG              |          |           |          |           |          |          |          |              |
| 22                   | #21 to #25 AWG       |          |           |          |           |          |          |          |              |
| 26                   | #26 to #28 AWG       |          |           |          |           |          |          |          |              |
| Contact Type         |                      |          |           |          |           |          |          |          |              |
| P                    | Pin                  |          |           |          |           |          |          |          |              |
| S                    | Socket               |          |           |          |           |          |          |          |              |
| PKG100               | 100 pcs. per package |          |           |          |           |          |          |          |              |
| R10000               | 10000 pieces/reel    |          |           |          |           |          |          |          |              |

#### TOOLING

##### Hand Tools

|               |                                |
|---------------|--------------------------------|
| CT150-2-JN1-D | #20, #25 AWG                   |
| CT150-2-JN1-E | #21, #23, #25 AWG              |
| CT150-2-JN1-B | #22 to #24 AWG, #26 to #28 AWG |

##### Semi Automatic Crimp Machine

CP215-4B Press

350-JN1-2C Applicator

For all wire sizes



查询"JN2MS15UL1X"供应商

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



**This datasheet has been downloaded from:**

**[www.EEworld.com.cn](http://www.EEworld.com.cn)**

**Free Download**

**Daily Updated Database**

**100% Free Datasheet Search Site**

**100% Free IC Replacement Search Site**

**Convenient Electronic Dictionary**

**Fast Search System**

**[www.EEworld.com.cn](http://www.EEworld.com.cn)**