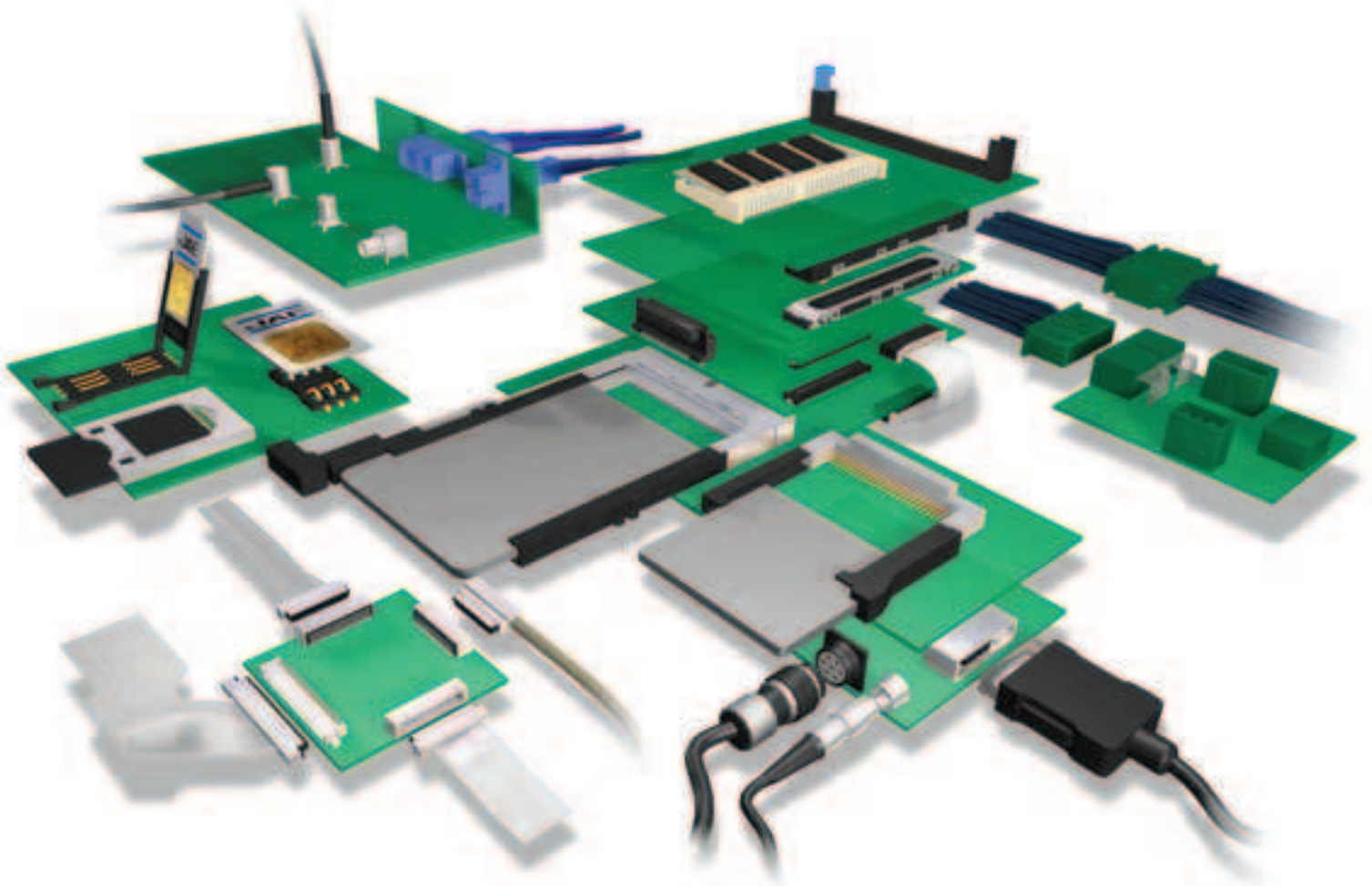


Technology to Inspire Innovation

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.

Table of Contents

| Product Series | Contact Spacing | Pages |
|--------------------------------|--------------------------------------|---------|
| SOCKETS/MEMORY PRODUCTS | | |
| 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 |

BOARD-TO-BOARD CONNECTOR PRODUCTS

| | | |
|----------------|---------------------|---------|
| 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 |
|--|----------------------|---------|
| BOARD-TO-BOARD CONNECTOR PRODUCTS | | |
| 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 |
| | | |
| INPUT/OUTPUT CONNECTOR PRODUCTS | | |
| 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 |

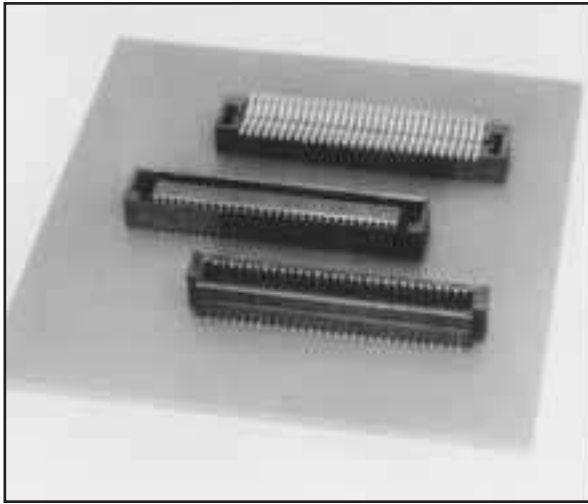
Table of Contents

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

KX14/15 SERIES CONNECTORS

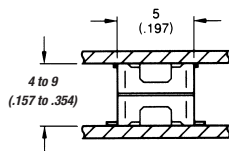
0.80mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors



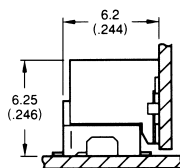
FEATURES

- 0.80mm (.031") contact spacing
- Straight receptacle (KX14) and right angle/straight plug (KX15) for parallel and vertical PCB connections
- 4 to 18mm (.157 to .709") stacking heights
- Polarization key prevents mismatching
- Resistant to vibration and twisting
- Available in embossed tape for automatic mounting

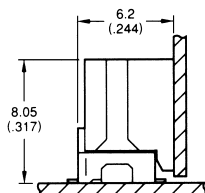
Connector Profile (Ref.)



Hold-down type (Right-angle side)



Screw type (Right-angle side)



Dimensions in mm (inches).



The KX14/15 Series connectors are low profile, SMT type connectors for PCB-to-PCB applications. Contact spacing is 0.8mm (.031"). The receptacle (KX14) and plug (KX15) combination offer variable stacking heights of 4 to 9mm (.157 to .354").

These connectors are ideal for use in the personal computer industry where space, weight and high density are critical factors.

GENERAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Number of Contacts | Straight: 20, 30, 40, 50, 60, 70, 80, 100, 120, 140, 160 Right Angle: 20, 30, 40, 50, 60, 70, 80, 140 |
| Contact Spacing | 0.80mm (.031") Double Row |
| Current Rating | 0.5 Amp per contact |
| Dielectric Withstanding Voltage | 500 VAC r.m.s. (for one minute) |
| Insulation Resistance | 100 megohms min. |
| Contact Resistance | 70 milliohms max. |
| Operating Temperature | -40°C to +85°C |
| Voltage Rating | AC 200V, DC 300V |

Note 1: Please consult JAE for availability

MATERIALS AND FINISHES

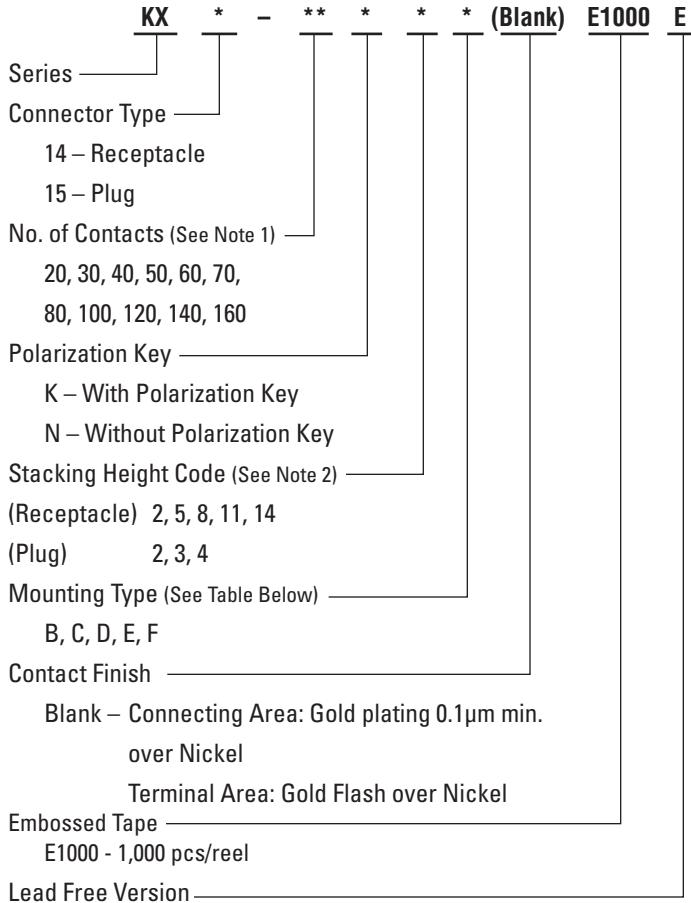
| Description | Materials/Finishes |
|------------------|---|
| Insulator | |
| KX14 | Glass-filled LCP (UL94V-O Black) |
| KX15 Straight | Glass-filled PPS (UL94V-O Black) |
| KX15 Right Angle | Glass-filled LCP (UL94V-O Black) |
| Contact | Copper Alloy Connecting Area: 0.1µm (.000004") min. Gold Plating Over Nickel Terminal Area: Gold flash over Nickel or Tin-Lead over Nickel |
| Hold Down | Copper Alloy/Tin-Lead over Nickel |
| Hook Pin | Copper Alloy/Tin plating |
| Hexagon Nut | Brass/Nickel plating |

KX14/15 SERIES CONNECTORS

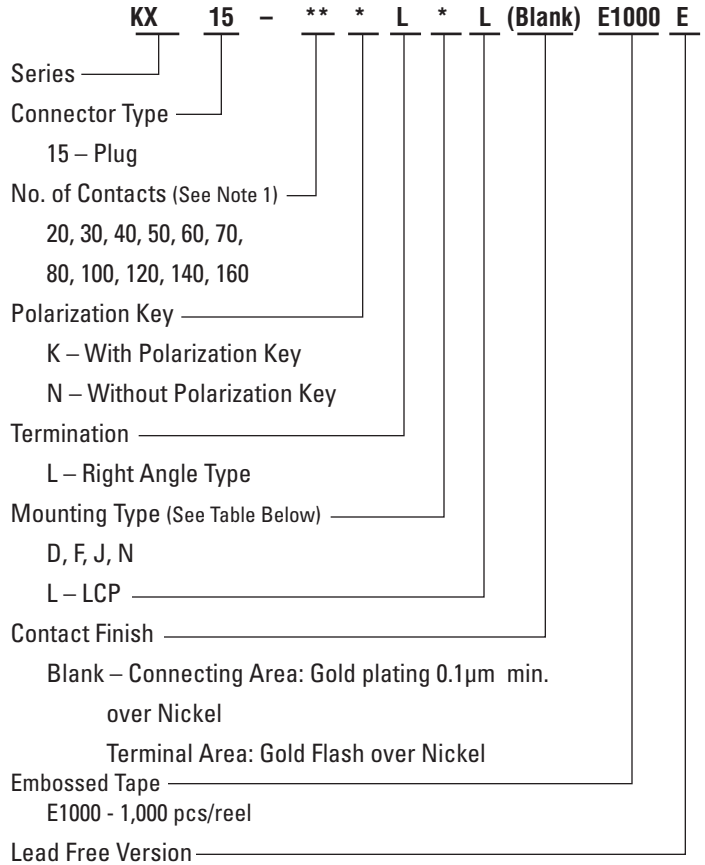
0.80mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors

ORDERING INFORMATION

• Straight



• Right Angle



Note 1: Please consult JAE for availability.
 Note 2: Stacking Height = Stacking Height Code of KX14 & Stacking Height Code of KX15.

Mounting Type for Straight

| | Positioning Key | Hold Down | Flange | Hook Pin |
|---|-----------------|-----------|--------|----------|
| B | ○ | - | - | - |
| C | ○ | - | ○ | ○ |
| D | ○ | ○ | ○ | - |
| E | ○ | - | ○ | - |
| F | - | ○ | ○ | - |

Note 1: Please consult JAE for availability.

Mounting Type for Right Angle

| | Positioning Key | Hold Down | Nut |
|---|-----------------|-----------|-----|
| D | ○ | ○ | - |
| F | - | ○ | - |
| J | ○ | - | - |
| N | ○ | - | ○ |

Stacking Height (Parallel PCB to PCB connection)

| | | Plug | | | |
|--|----------------------|------------|-----------|-----------|---|
| | Stacking Height Code | 2 | 3 | 4 | |
| | | Receptacle | 2 | 5 | 6 |
| | 2 | 4 (.157) | 5 (.197) | 6 (.236) | |
| | 5 | 7 (.276) | 8 (.315) | 9 (.354) | |
| | 8 | 10 (.394) | 11 (.433) | 12 (.472) | |
| | 11 | 13 (.512) | 14 (.551) | 15 (.591) | |
| | 14 | 16 (.630) | 17 (.669) | 18 (.709) | |

Dimensions and specifications subject to change without notice.

Technology to Inspire Innovation

JAE

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to Connect Your World”***



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