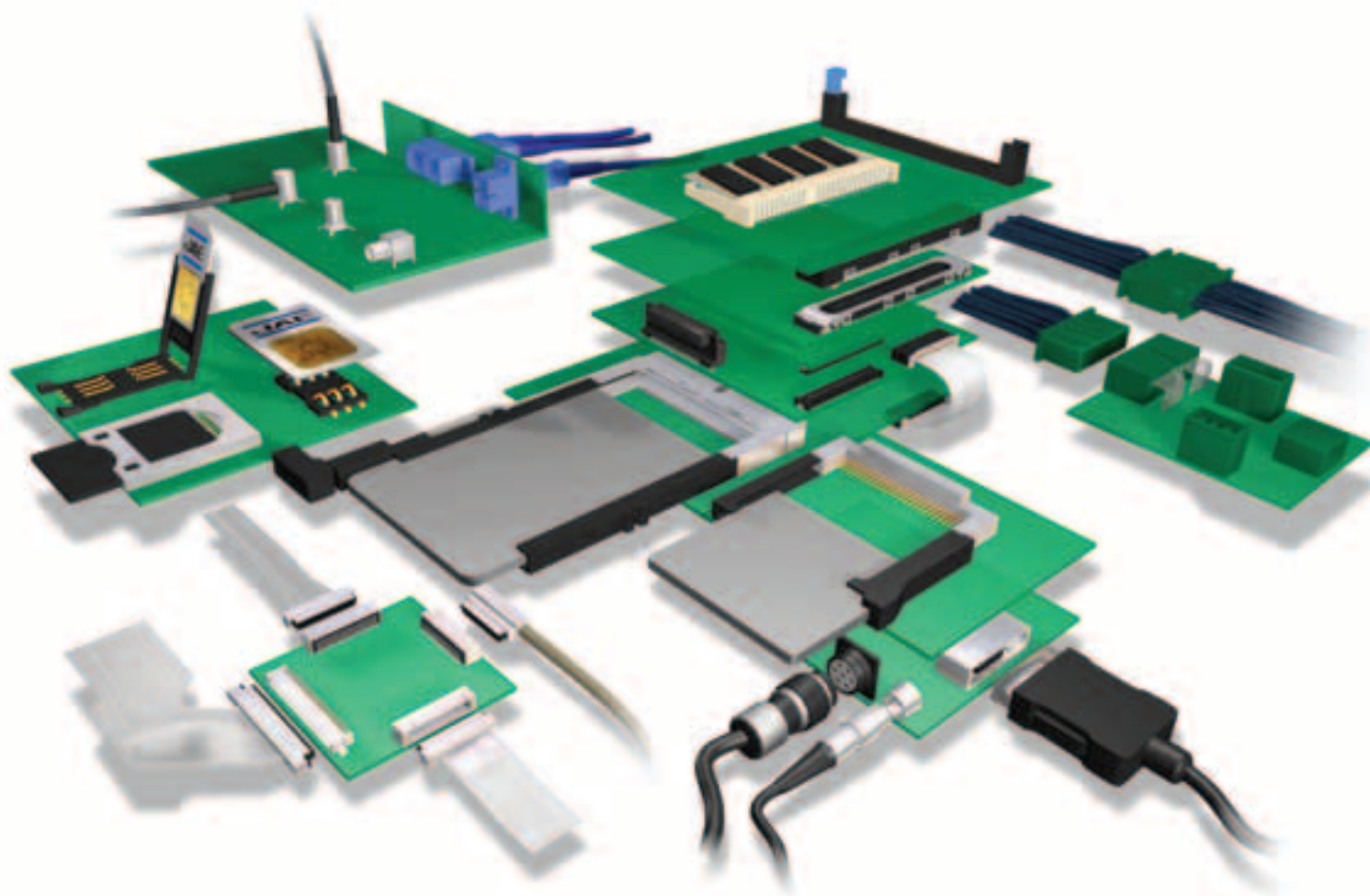


Preferred Connector Products

Technology to Inspire Innovation

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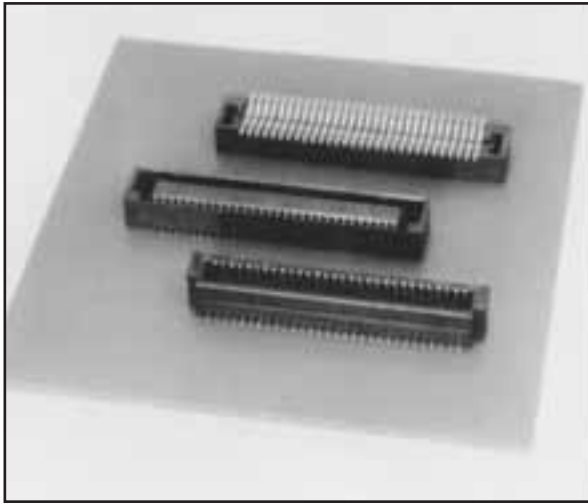
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

KX14/15 SERIES CONNECTORS

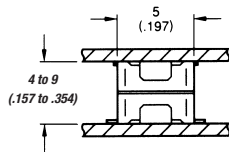
0.80mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors



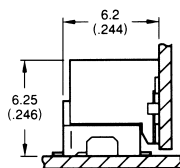
FEATURES

- 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

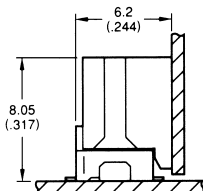
Connector Profile (Ref.)



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

	KX	*	-	**	*	*	*	(Blank)	E1000	E
Series										
Connector Type										
14 – Receptacle										
15 – Plug										
No. of Contacts (See Note 1)										
20, 30, 40, 50, 60, 70,										
80, 100, 120, 140, 160										
Polarization Key										
K – With Polarization Key										
N – Without Polarization Key										
Stacking Height Code (See Note 2)										
(Receptacle) 2, 5, 8, 11, 14										
(Plug) 2, 3, 4										
Mounting Type (See Table Below)										
B, C, D, E, F										
Contact Finish										
Blank – Connecting Area: Gold plating 0.1µm min.										
over Nickel										
Terminal Area: Gold Flash over Nickel										
Embossed Tape										
E1000 - 1,000 pcs/reel										
Lead Free Version										

• Right Angle

	KX	15	-	**	*	L	*	L	(Blank)	E1000	E
Series											
Connector Type											
15 – Plug											
No. of Contacts (See Note 1)											
20, 30, 40, 50, 60, 70,											
80, 100, 120, 140, 160											
Polarization Key											
K – With Polarization Key											
N – Without Polarization Key											
Termination											
L – Right Angle Type											
Mounting Type (See Table Below)											
D, F, J, N											
L – LCP											
Contact Finish											
Blank – Connecting Area: Gold plating 0.1µm min.											
over Nickel											
Terminal Area: Gold Flash over Nickel											
Embossed Tape											
E1000 - 1,000 pcs/reel											
Lead Free Version											

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	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



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



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