

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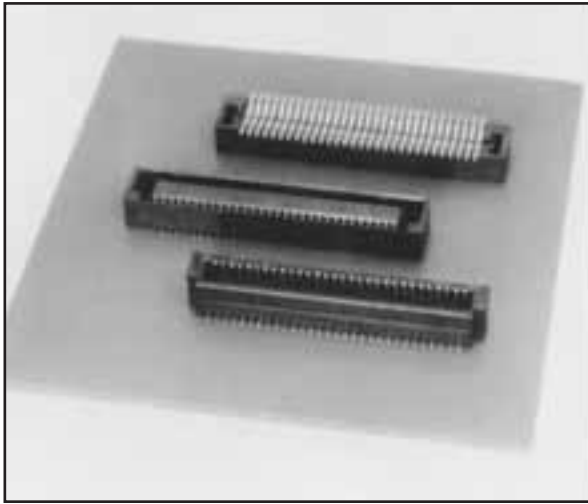
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

KX14/15 SERIES CONNECTORS

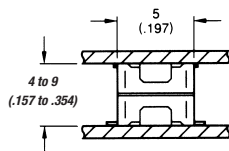
0.80mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors



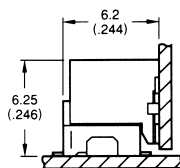
FEATURES

- 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

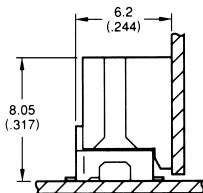
Connector Profile (Ref.)



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

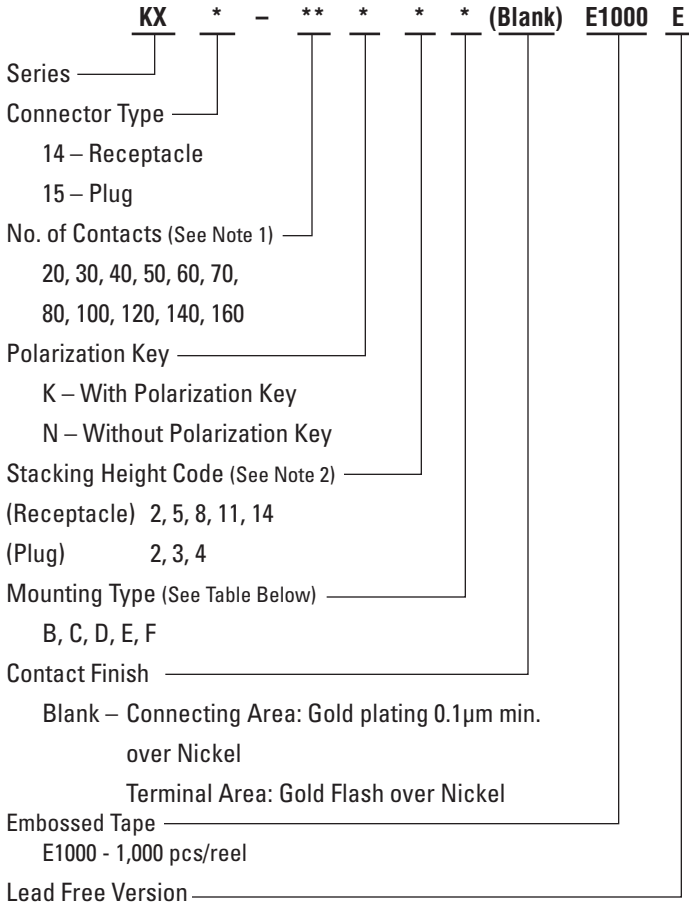
Description	Materials/Finishes
Insulator	
KX14	Glass-filled LCP (UL94V-O Black)
KX15 Straight	Glass-filled PPS (UL94V-O Black)
KX15 Right Angle	Glass-filled LCP (UL94V-O Black)
Contact	Copper Alloy Connecting Area: 0.1µm (.000004") min. Gold Plating Over Nickel Terminal Area: Gold flash over Nickel or 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

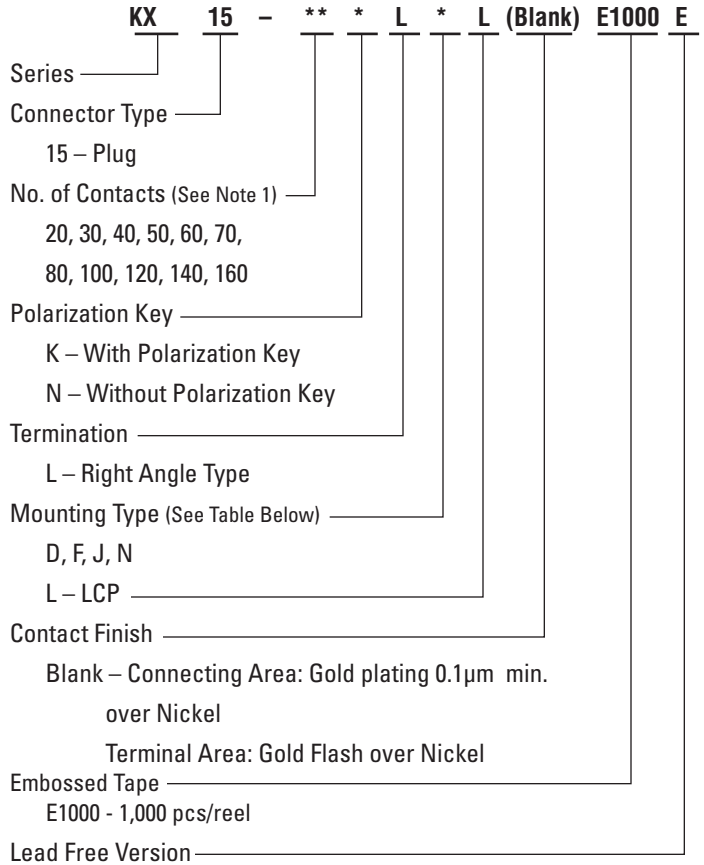
0.80mm (.031") Contact Spacing, PCB-to-PCB SMT Connectors

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			
Receptacle	Stacking Height Code	2	3	4	
		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.

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***“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