

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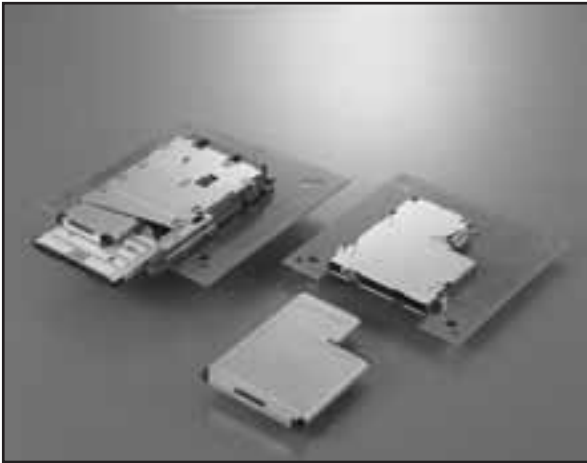
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

PX20/22 SERIES CONNECTORS

Host Connector for PCMCIA Express Card



FEATURES

- Comply with PCMCIA standards for ExpressCard (Rev. 10) and PC card (Rev. 8.0).
- Two-body structure consists of PCB and cage, compatible to automated mounting and reflow
- Base side/slot feature two-body structure
- Compatible with automatic mounting/reflow and available on embossed tape
- Available in standard types, with and without stand-off and with different button locations
- PX20 combo-type connector can be used as upper slot side for ExpressCard and as lower slot for PC card
- Base side connector is common to both the ExpressCard single (PX22 Series) and the single slotted PC card (PX20)



PX20 and PX22 Series connectors are base and slot connectors for the PCI ExpressCard® and PC card connector.. The base side connector is common to both the ExpressCard single (PX22 Series) and the single slotted PC card (PX20). The connectors conform to the PCMCIA standard for both the PCI ExpressCard (Rev. 1.0) and the PC card standard (Rev. 8.0).

GENERAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Number of Contacts | Express Card slot: 26pos PC Card slot: 68pos |
| Contact Spacing | PX20 - 1.0mm (.039") PX22 - 0.63mm (.025") |
| Contact Resistance | Express Card: 55 milliohms (max. after test) PC Card: 40 milliohms (max.) |
| Dielectric Withstanding Voltage | AC 500 V r.m.s. per minute |
| Operating Temperature | 0°C to +55°C |
| Rated Current | Express Card: 0.75A/per pin PC Card: 0.5A/per pin |

MATERIALS AND FINISHES

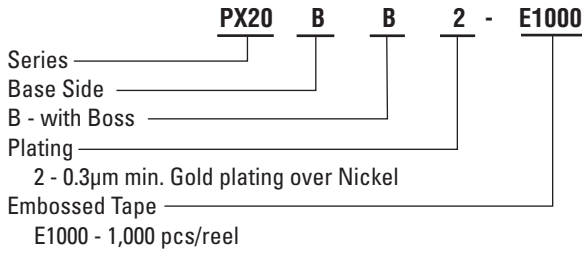
| Description | Materials/Finishes |
|------------------------------------|---|
| Base Connector | Copper alloy/ |
| Contact | Contact Area: 0.3µm min. Gold Plating over Nickel Terminal Area: Gold flash over Nickel |
| Insulator | Glass filled LCP |
| Slot Contact (for Express Card) | Phosphor Bronze/ Contact Area: 0.3µm min. Gold plating over Nickel Terminal Area: 0.1µm min. Gold plating over Nickel |
| Insulator (upper slot) | Glass filled LCP |
| Insulator (lower slot) | Glass filled PPS (UL94V-0) |
| Guide | Stainless steel |
| Lever | Stainless steel |
| Contact (for PC Card) | Copper alloy/ Contact Area: partially 0.3µm min. Gold plating over Nickel Terminal Area: Gold 0.1µm. plating over Nickel |
| Locator | Glass filled 9 T nylon |
| Ground Plate | Phosphor bronze/partially 0.1µm min. Gold plating over Nickel |
| Lower Plate | Stainless steel |
| Eject Bar | Stainless steel |
| Button | Glass filled PBT (UL94V-0) |
| Button Holder | Stainless steel |
| Latch | Stainless steel |
| Spring | Stainless steel |
| Nut Plate | Stainless steel |
| Nut | Stainless steel |

Dimensions in mm (inches).

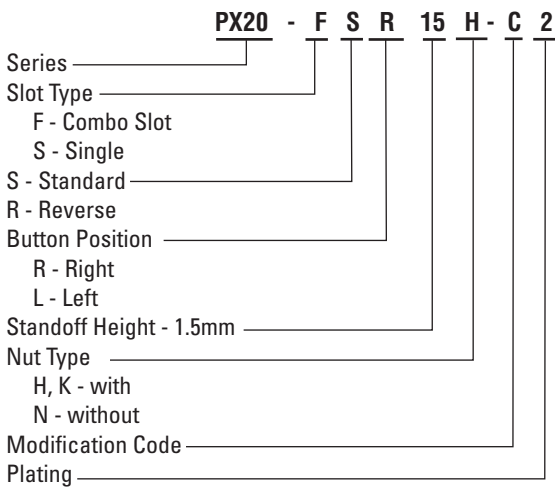
PX20/22 SERIES CONNECTORS

Host Connector for PCMCIA Express Card

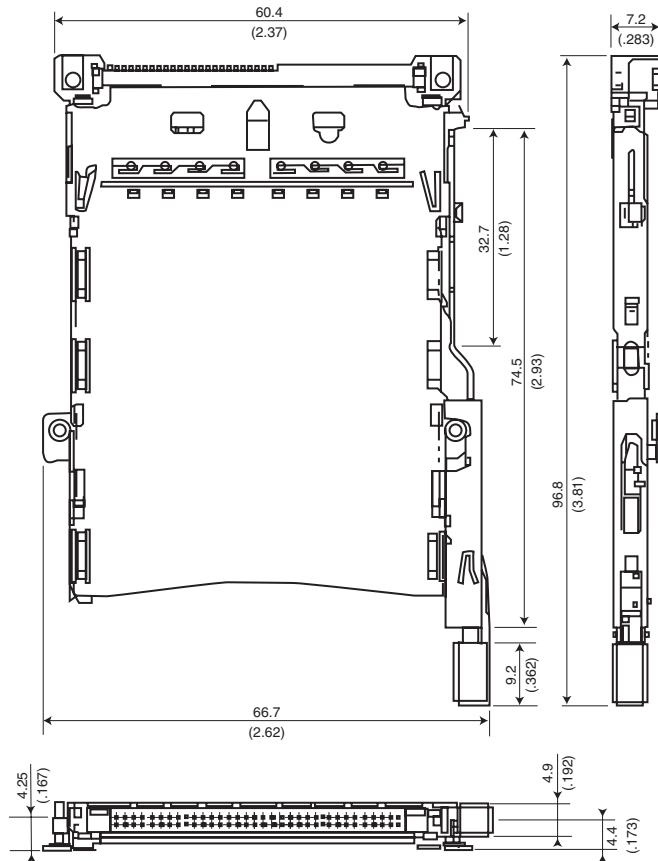
ORDERING INFORMATION - Base



ORDERING INFORMATION - Slot



Connector Profile (Ref.)



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