

# ***Preferred Connector Products***

Technology to Inspire Innovation

# **JAE**



***JAE Electronics, Inc.***

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

**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.

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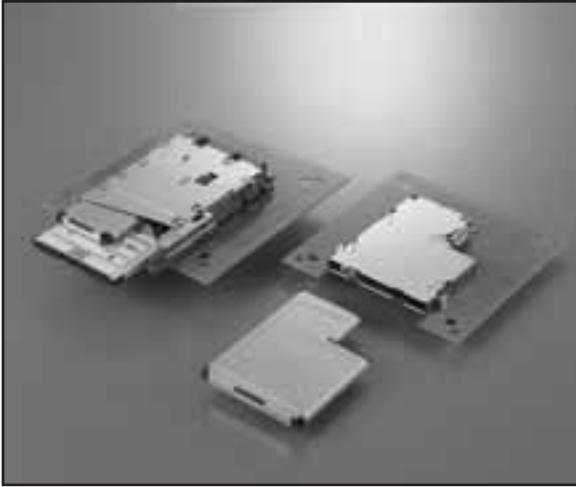
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- All JAE connector products shown in this catalog are lead free.
- We reserve the right to modify designs in order to improve quality, keep pace with technological advancements or meet particular requirements in production.
- Products shown in this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

# PX10/11 SERIES CONNECTORS

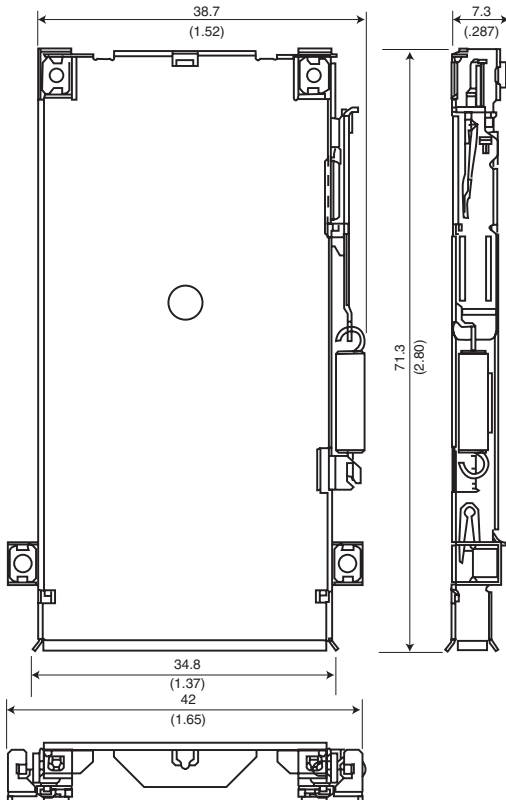
**1.0mm (.039") Contact Spacing, Host Connector for PCMCIA Express Card**



## FEATURES

- Conforms to PCI ExpressCard standard (Rev. 10)
- Two-body structure consists of PCB and cage, compatible to automated mounting and reflow
- Structure is drop impact resistant
- Features Push-Push card eject structure
- Available in standard, reverse and stand-off mounting types
- Complies with PCMCIA standard

Connector Profile (Ref.)



Dimensions in mm (inches).

.....

The PX10/11 Series connectors are host connectors for the PCI ExpressCard®. The PX10 connectors are for use with 34mm/54mm (1.34"/2.12") cards and PX11 connectors are PX10 and PX11 Series connectors are designed for 34mm (1.34") cards, but will also accept the 54mm (2.12") cards. The connectors conform to the PCMCIA standard for both the PCI ExpressCard (x1) and USB2.0 (x2) interfaces.

## GENERAL SPECIFICATIONS

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| Number of Contacts    | 26 pos                                                 |
| Contact Spacing       | 1.0mm (.039")                                          |
| Contact Resistance    | 40m milliohms max. (after test 55m ohm max.)           |
| Withstanding Voltage  | AC 500Vrms per min.                                    |
| Operating Temperature | 0°C to +55°C (degree of humidity 95%)                  |
| Rated Current         | 0.75A/per pin                                          |
| Lifetime              | 5,000 times                                            |
| Insertion Loss:       | -1.7dB max. (3.125Ghz max.)<br>-5.5dB max. (6Ghz max.) |
| Return Loss           | -10dB max. (3.125Ghz max.)<br>-5dB max. (6Ghz max.)    |
| Cross Talk (NEXT)     | -32dB Max. (3.125Ghz max.)<br>-26dB max. (6Ghz max.)   |

## MATERIALS AND FINISHES

### • PCB Side

| Description | Materials/Finishes                               |
|-------------|--------------------------------------------------|
| Contact     | Copper Alloy/0.1µm min. Gold plating over Nickel |
| Insulator   | PPS (UL94V-0)                                    |

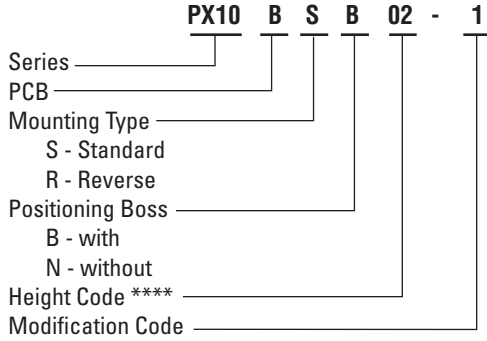
### • Cage

|                                       |               |
|---------------------------------------|---------------|
| Frame/Cam Follower/Slider/Lower Plate | SUS           |
| Hart Cam/Stopper/Guide                | PBT (UL94V-0) |
| Spring                                | SWPB          |
| Nut/Boss                              | Aluminium     |

# PX10/11 SERIES CONNECTORS

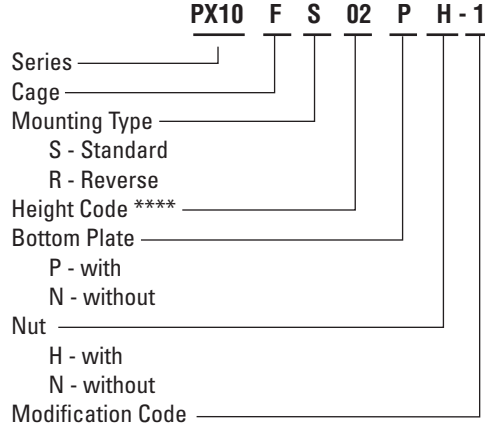
1.0mm (.039") Contact Spacing, Host Connector for PCMCIA Express Card

## ORDERING INFORMATION - PCB



\*\*\*\* Please use PCB side and cage with same height code.

## ORDERING INFORMATION - Cage



| PX10 Series (for 34/54 Module) |                 |             |             |           |
|--------------------------------|-----------------|-------------|-------------|-----------|
| Specification                  |                 |             | Part Number |           |
| Mounting type                  | Standoff height | Lower stand | Cage        | PCB side  |
| Standard                       | 0.0             | No          | PX10FS00NH  | PX10BSB00 |
|                                |                 | Yes         | PX10FS02PH  | PX10BSB02 |
|                                | 1.5 ± 0.2       | Yes         | PX10FS16PH  | PX10BSB16 |

| PX11 Series (for 34 Module) |                 |             |             |           |
|-----------------------------|-----------------|-------------|-------------|-----------|
| Specification               |                 |             | Part Number |           |
| Mounting type               | Standoff height | Lower stand | Cage        | PCB side  |
| Standard                    | 0.0             | No          | PX11FS00NH  | PX10BSB00 |
|                             | 1.85 ± 0.2      | No          | PX11FS16PH  | PX10BSB16 |

| Height Code | PCB Side  | PX10 Series |                 | PX11 Series |                 |
|-------------|-----------|-------------|-----------------|-------------|-----------------|
|             |           | Part Number | Standoff Height | Part Number | Standoff Height |
| 00          | PX10B*B00 | PX10F*00NH  | 0.0             | PX11F*00NH  | 0.0             |
| 02          | PX10B*B02 | PX10F*02PH  |                 |             |                 |
| 16          | PX10B*B16 | PX10F*16PH  | 1.5 ± 0.2       | PX11F*16NH  | 1.85 ± 0.2      |

Dimensions and specifications subject to change without notice.

Technology to Inspire Innovation



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



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