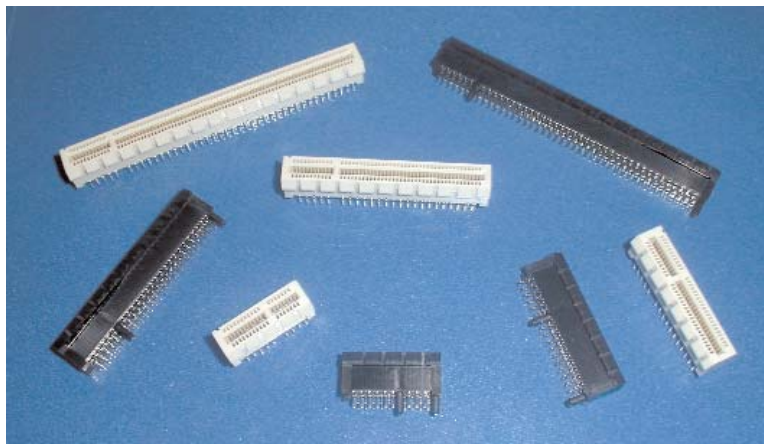




# Card Edge Connector for PCI Express Applications

## DESCRIPTION

Tyco Electronics Card Edge Connector for PCI Express applications is a 1mm centerline card edge product designed to meet PCI SIG requirements for PCI Express architecture. PCI Express architecture is a high performance point to point full duplex I/O Bus.

## APPLICATIONS

- Serial Bus for Graphics Cards and I/O Client Cards for applications requiring higher speeds than the popular PCI Bus.

- Computers, both Desktop and Server, along with Telecommunication Switches and Routers.

## KEY FEATURES

- Available:
  - In all standard sizes: (36 pins), x4 (64 pins), x8 (98 pins), and x16 (164 pins)
  - With plastic locating posts or metal hold downs
  - With integrated retention mechanism in x16 size
  - In straddle mount configuration

- In right angle configuration
- Three tail lengths: 2.3mm, 3.1mm, and 5.6mm
- Gold Flash, 15 Gold, and 30 Gold plating options
- RoHS Compliant

## TECHNICAL DOCUMENTS

- Product Specification
  - 108-5847 (1612163, 1746220, & 1761465)
  - 108-57375 (1775800 & 1775801)
  - 108-57351 (1734857)
- Test Reports
  - 501-5453 (1612163, 1746220, & 1761465)
  - 501-57406 (1775800 & 1775801)
  - 501-57490 (1734857)

## RATINGS

|                        |                |
|------------------------|----------------|
| Operating Temperature: | -40°C to +85°C |
| Durability:            | 50 cycles      |
| Current Rating:        | 1.1A           |
| Voltage Rating:        | 50 VAC         |

## FOR MORE INFORMATION

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Technical Support

Internet: <http://www.tycoelectronics.com>

USA: 1-800-522-6752

Canada: 1-905-470-4425

UK: 44-141-810-8967

Japan: 81-44-844-8013

## BASE PART NUMBERS\*

1612163-X - with Plastic Locating Posts

1775800-X - with Metal Hold Downs (color - white)

1775801-X - with Metal Hold Downs (color - black)

1746220-X - with Integrated Retention Mechanism

1734857-X - Straddle Mount

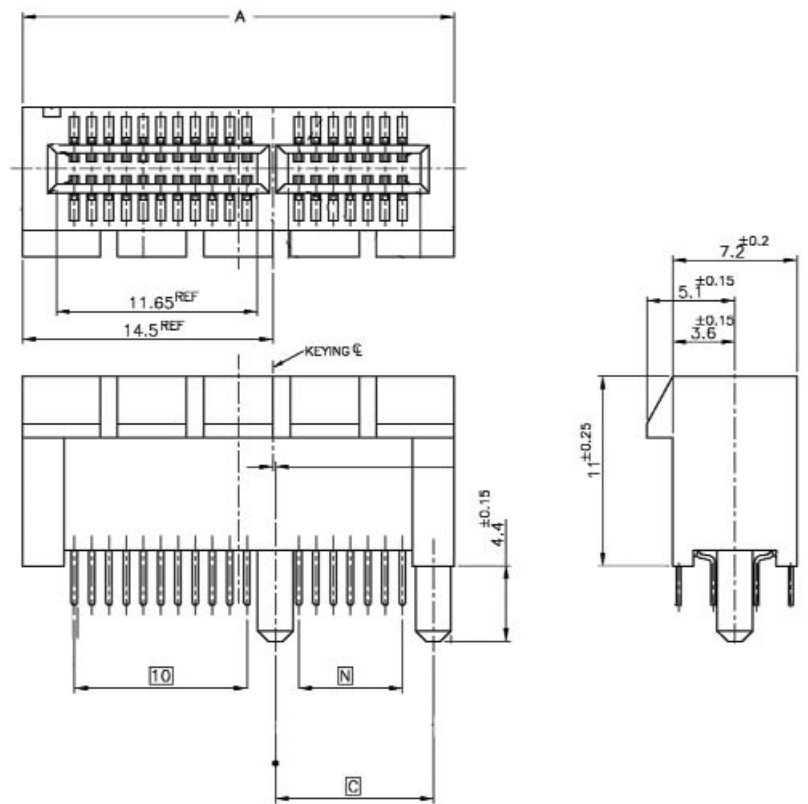
1761465-X - Right Angle

\*For specific part numbers, request customer drawing

## PRODUCT DIMENSIONS - VERTICAL WITH PLASTIC LOCATING POST

1612163-X

| Number of Positions | Dim A | Dim C | Dim N |
|---------------------|-------|-------|-------|
| 36                  | 25    | 9.15  | 6     |
| 64                  | 39    | 23.15 | 20    |
| 98                  | 56    | 40.15 | 37    |
| 164                 | 89    | 73.15 | 70    |



**Note:** Part Numbers are RoHS Compliant.

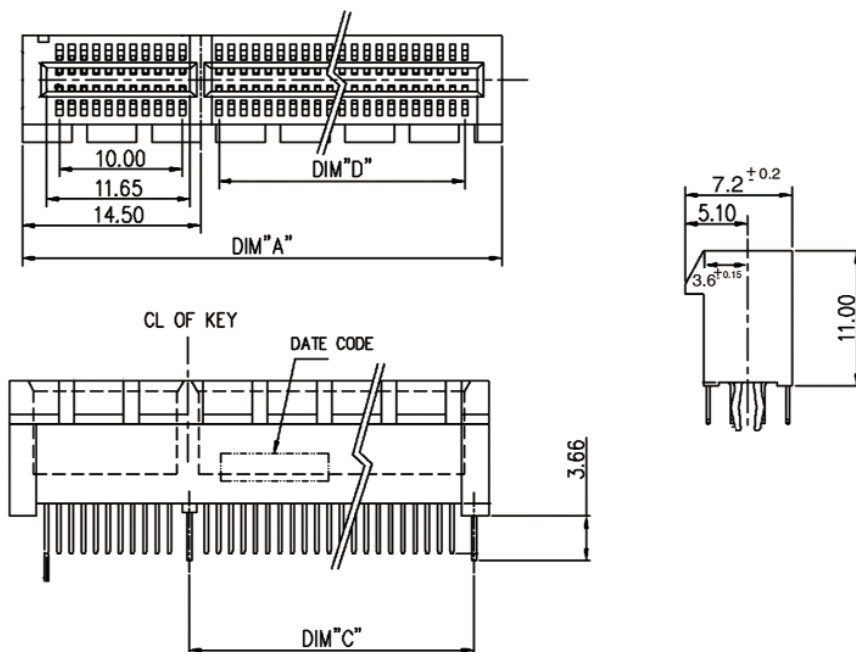
PCI Express and PCI SIG are registered trademarks of the PCI-SIG Corporation.

## PRODUCT DIMENSIONS- VERTICAL WITH METAL HOLD DOWNS

1775800-X (Color: White)

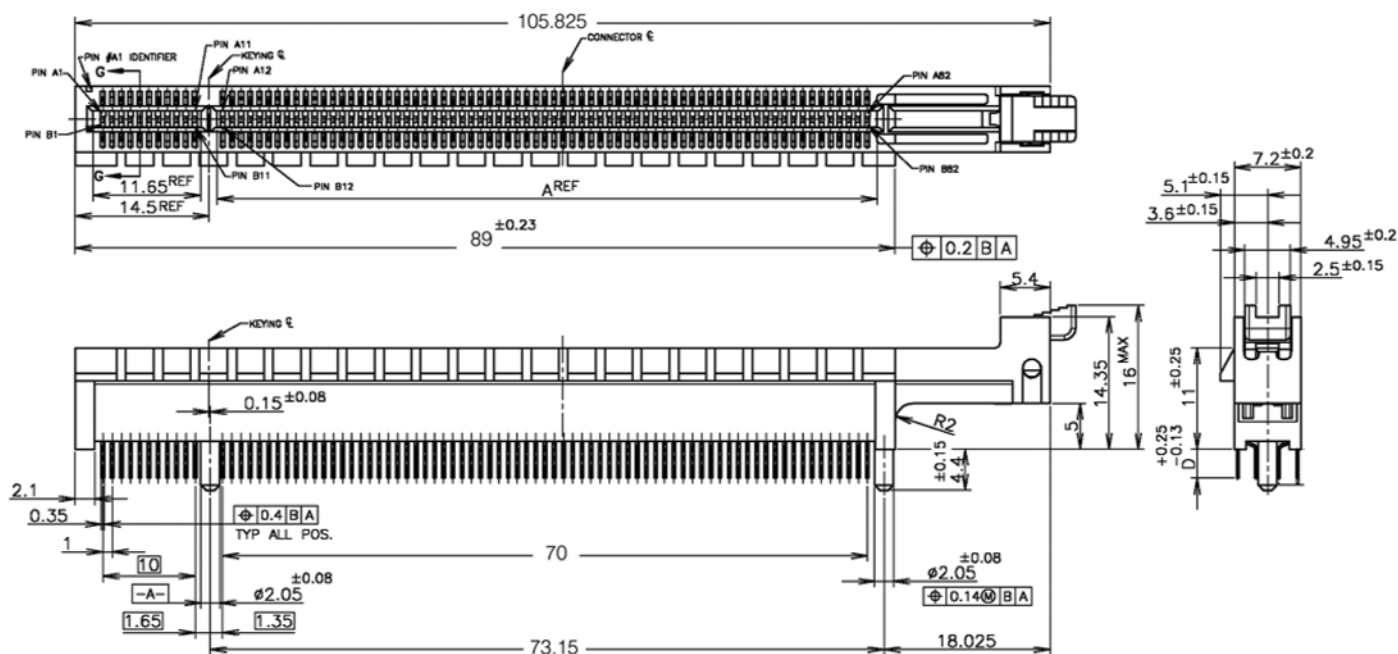
1775801-X (Color: Black)

| Number of Positions | Dim A | Dim C | Dim D |
|---------------------|-------|-------|-------|
| 36                  | 25    | 9.15  | 6     |
| 64                  | 39    | 23.15 | 20    |
| 98                  | 56    | 40.15 | 37    |
| 164                 | 89    | 73.15 | 70    |



## PRODUCT DIMENSIONS- VERTICAL WITH INTEGRATED RETENTIONS

1746220-X



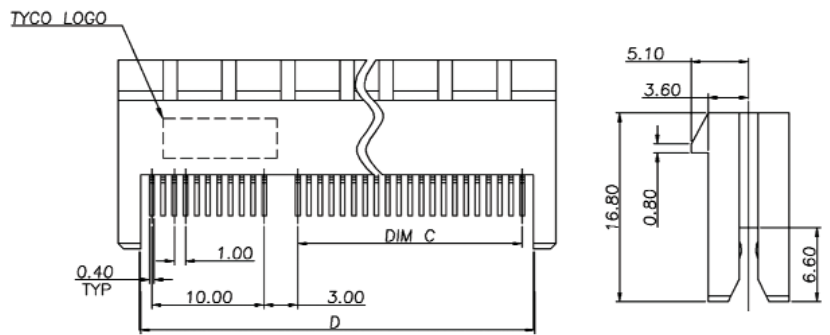
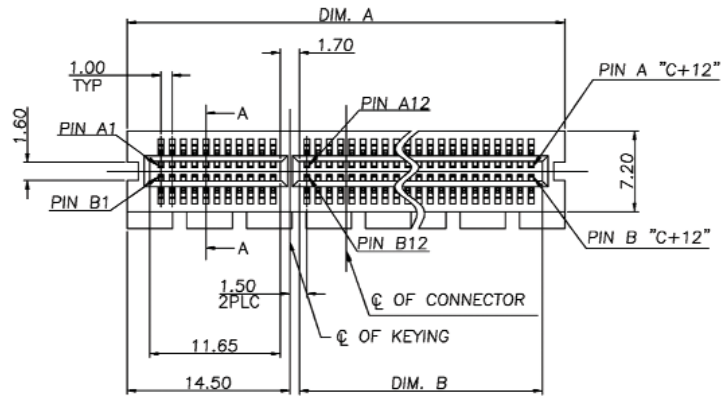
**Note:** Part Numbers are RoHS Compliant.

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## PRODUCT DIMENSIONS- STRADDLE MOUNT

1734857-X

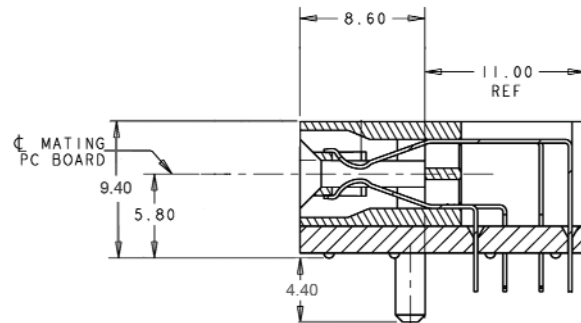
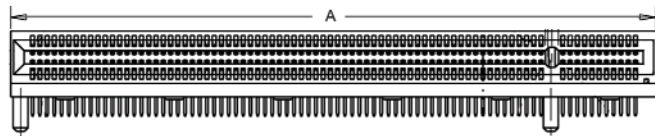
| Number of Positions | Dim A | Dim C | Dim N |
|---------------------|-------|-------|-------|
| 36                  | 25    | 9.15  | 6     |
| 64                  | 39    | 23.15 | 20    |
| 98                  | 56    | 40.15 | 37    |
| 164                 | 89    | 73.15 | 70    |



## PRODUCT DIMENSIONS- RIGHT ANGLE

1761465-X

| Number of Positions | Dim A |
|---------------------|-------|
| 36                  | 25    |
| 64                  | 39    |
| 98                  | 56    |
| 164                 | 89    |
| 280                 | 147   |



**Note:** Part Numbers are RoHS Compliant.

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## Restriction on the use of Hazardous Substances (RoHS)

At Tyco Electronics, we're ready to support your RoHS requirements. We've assessed more than 1.5 million end items/components for RoHS compliance, and issued new part numbers where any change was required to eliminate the restricted materials. Part numbers in this catalog are identified as:

**RoHS Compliant** — Part numbers in this catalog are RoHS Compliant, unless marked otherwise. These products comply with European Union Directive 2002/95/EC as amended 1 January 2006 that restricts the use of lead, mercury, cadmium, hexavalent chromium, PBB, and PBDE in certain electrical and electronic products sold into the EU as of 1 July 2006.

NOTE: For purposes of this Catalog, included within the definition of RoHS Compliant are products that are clearly "Out of Scope" of the RoHS Directive such as hand tools and other non-electrical accessories.

NOTE: Information regarding RoHS compliance is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change. For latest compliance status, refer to our website referenced at right.

## Getting the Information You Need

Our comprehensive on-line RoHS Customer Support Center provides a forum to answer your questions and support your RoHS needs. A RoHS FAQ (Frequently Asked Questions) is available with links to more detailed information. You can also submit RoHS questions and receive a response within 24 hours during a normal work week.

The Support Center also provides:

- Cross-Reference from Non-compliant to Compliant Products
- Ability to browse RoHS Compliant Products in our on-line catalog
- Downloadable Technical Data Customer Information Presentation
- More detailed information regarding the definitions used above
- So whatever your questions when it comes to RoHS, we've got the answers at [www.tycoelectronics.com/leadfree](http://www.tycoelectronics.com/leadfree)



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