



## PCI EXPRESS CARD EDGE: KPCIEX Series

### Product Features

Supports 2.5 Gb/s Data Transfer Rate  
(Per Pair Data Bandwidth)  
Standard 36, 64, 98, 164 Pin  
230 and 280 Pin Option  
Standard 1.0mm Pitch

### Performance Specifications

#### Materials and Finish

##### Housing

High Temperature Thermoplastic

##### Contacts

Phosphor Bronze

##### Contact Plating

**Standard:** Gold Flash over 50 Nickel on Contact Area,  
100µ" Min. Tin over 50µ" Nickel on Termination End  
**30:** 30µ" Gold over 50µ" Nickel on Contact Area 100µ" Min.  
Tin over 50µ" Nickel on Termination End

### Electrical Characteristics

#### Rated Voltage

50V AC (RMS) / DC

#### Rated Current

1.1A

#### Contact Resistance

30 milliohms Max.

#### Insulation Resistance

1000 Megohms Min.

#### Dielectric Strength

500V AC RMS for 1 Minute

### Mechanical Characteristics

#### Insertion Force

1.15N Max. Per Contact Pair

#### Extraction Force

0.15N Min. Per Contact Pair

|                    |        |        |        |        |        |        |    |                    |
|--------------------|--------|--------|--------|--------|--------|--------|----|--------------------|
| B17, B31, B48, B81 | 72.15  | 73.50  | 87.00  | 70.00  | 71.65  | 89.00  | 70 | 164                |
| B17, B31, B48      | 39.15  | 40.50  | 54.00  | 37.00  | 38.65  | 56.00  | 37 | 98                 |
| B17, B31           | 22.15  | 23.50  | 37.00  | 20.00  | 21.65  | 39.00  | 20 | 64                 |
| B17                | 8.15   | 9.50   | 23.00  | 6.00   | 7.65   | 25.00  | 6  | 36                 |
| Pin"K"             | Dim"G" | Dim"E" | Dim"D" | Dim"C" | Dim"B" | Dim"A" | N  | Position<br>Number |
| DIMENSIONS         |        |        |        |        |        |        |    |                    |

|                       |                     |                      |                  |
|-----------------------|---------------------|----------------------|------------------|
| 2D Drawing            | IGES                | STEP                 | 3D PDF           |
| Solder Profile        | CofC RoHS Compliant | CofC REACH Compliant | UL Plastic File  |
| Certificate of Origin | Check Stock         | Request a Sample     | Send Us An Email |

### Generated Part Number

### Part Number Builder

|                      |   |                      |                      |                      |                      |                      |
|----------------------|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | - | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Series               |   | Mounting<br>Option   | Number<br>Option     | Tail<br>Length       | Color<br>Option      | Plating<br>Option    |

### Series

KPCIEX

### Mounting Option

T - Through Hole

### Number of Pins

36 - Pins  
64 - Pins  
98 - Pins  
164 - Pins  
230 - Pins  
280 - Pins

### Tail Length

1 - 2.30mm  
2 - 2.54mm  
3 - 3.00mm

### Color\*

BK - Black Standard

### Plating Material\*

Blank - Gold Flash Standard  
30 - 30µ" Gold

Contact Kycon for Other Options

### KPCIEX Series

Dimensions in mm

