



PCI EXPRESS CARD EDGE: KPCIEX Series Straddle Mount PCI Express Card Edge

Product Features

Supports 2.5 Gb/s Data Transfer Rate
(Per Pair Data Bandwidth)
Standard 36, 64, 98, 164 Pin
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 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

| | | | | | |
|--------|---|--------------------|------------------|-----------------|-------------------|
| | - | | | | |
| Series | | Mounting Option | Number Option | Color Option | Plating Option |

Series

KPCIEX - Straddle Mount PCI Express Card Edge

Mounting Option

SM1 - Straddle Mount No Peg Option
SM2 - Straddle Mount With Peg Option
SM3 - Straddle Mount With Ear Clips Option

Number of Pins

36 - Pins
64 - Pins
98 - Pins
164 - Pins

Color*

BK - Black Standard

Plating Material*

Blank - Gold Flash Standard
30 - 30µ" Gold

Contact Kycon for Other Options

KPCIEX Series

Dimensions in mm

KPCIEX-SM1

