

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0877159106](#)  
**Status:** **Active**  
**Overview:** PCI Express\* Card Edge Connector  
**Description:** 1.00mm Pitch, PCI Express Connector, 64 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.76µm Gold Solder-tail, Lead-Free

**Documents:**

[Drawing \(PDF\)](#) [Packaging Specification PK-87715-207 \(PDF\)](#)  
[Product Specification PS-87715-200-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification TS-87715-207-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

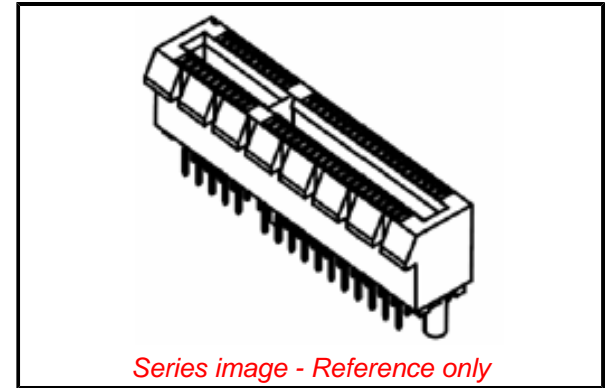
Product Family Edge Card Connectors  
 Series [87715](#)  
 Comments PCI 4 lanes  
 Component Type Edgecard to PCB  
 Data Rate 8.0 Gbps  
 Edge Card Thickness 1.57mm  
 Electrical Model Yes  
 High Power Bay (30.0A or more) No  
 Orientation Vertical  
 Overview PCI Express\* Card Edge Connector  
 Product Name PCI Express  
 Standard Based PCIe  
 UPC 822348685486

**Physical**

(p)ower-(s)ignal Configuration 64s - 0p  
 Circuit Size Range 1-64 Circuits  
 Circuits (Loaded) 64  
 Circuits (maximum) 64  
 Durability (mating cycles max) 50  
 Entry Angle Vertical (Top Entry)  
 Flammability 94V-0  
 Keying to Mating Part Yes  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Net Weight 3.864/g  
 PC Tail Length 2.54mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.00mm  
 Pitch - Termination Interface 1.00mm  
 Plating min - Mating 0.762µm  
 Polarized to Mating Part Yes  
 Temperature Range - Operating -55° to +85°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 1.1A  
 Voltage - Maximum 50V AC (RMS)/DC



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/61/2018 (27 June  
 2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[87715 Series](#)

**Mates With**

PCI Express Card

**Solder Process Data**

|  |        |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 010    |
| Lead-free Process Capability                   | REFLOW |
| Max. Cycles at Max. Process Temperature        | 001    |
| Process Temperature max. C                     | 260    |

**Material Info****Reference - Drawing Numbers**

|                           |   |
|---------------------------|---|
| Electrical Model Document | EE-87715-002, EE-87715-011, EE-87715-012,<br>EE-87715-013, EE-87715-014 |
| Packaging Specification   | PK-87715-207  |
| Product Specification     | PS-87715-200-001, TS-87715-207-001                                      |
| S-Parameter Model         | SP-87715-002, SP-87715-011, SP-87715-012,<br>SP-87715-013, SP-87715-014 |
| Sales Drawing             | SD-87715-207  |
| Signal Integrity Report   | SI-87715-002  |

This document was generated on 10/26/2018

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