

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

**Part Number:** **0877159309**  
**Status:** **Active**  
**Overview:** PCI Express\* Card Edge Connector  
**Description:** 1.00mm Pitch, PCI Express Connector, 164 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.76µm Gold Soldertail, 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**

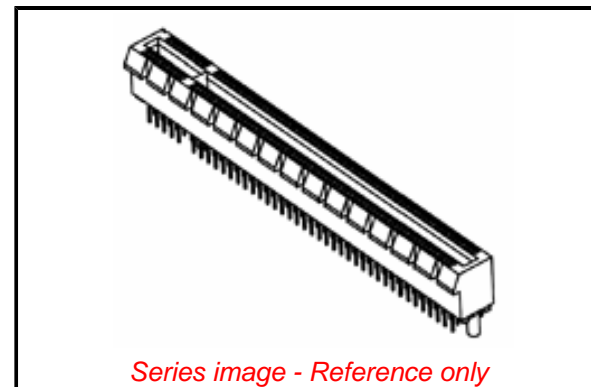
CSA LR19980  
 UL E29179

**General**

Product Family Edge Card Connectors  
 Series 87715  
 Comments PCI 16 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 822350650212

**Physical**

(p)ower-(s)ignal Configuration 164s - 0p  
 Circuit Size Range 65-200 Circuits  
 Circuits (Loaded) 164  
 Circuits (maximum) 164  
 Color - Resin Black  
 Durability (mating cycles max) 50  
 Entry Angle Vertical (Top Entry)  
 Flammability 94V-0  
 Keying to Mating Part Yes  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 8.700/g  
 PC Tail Length 3.00mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 2.36mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.00mm  
 Pitch - Termination Interface 1.00mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Temperature Range - Operating -55°C to +85°C  
 Termination Interface: Style Through Hole



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2018 (15  
 January 2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

87715 Series

**Mates With**

PCI Express Card

**Electrical**

Current - Maximum per Contact  
Voltage - Maximum

1.1A  
50V AC (RMS)/DC

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

Electrical Model Document

EE-87715-004, EE-87715-011, EE-87715-012,  
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-87715-004, SP-87715-011, SP-87715-012,  
SP-87715-013, SP-87715-014

Sales Drawing

SD-87715-901

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