

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

**Part Number:** **0877159105**  
**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, 0.38µm 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**

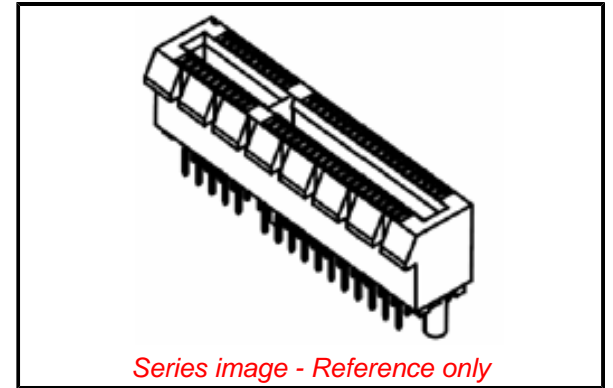
Product Family Edge Card Connectors  
 Series 87715  
 Comments PCI 4 lanes  
 Component Type Edgecard to PCB  
 Data Rate 8.0 Gbps  
 Edge Card Thickness 1.57mm  
 Electrical Model Yes  
 High Power Bay (30.0A or more) No  
 Orientation Vertical  
 Overview PCI Express\* Card Edge Connector  
 Product Name PCI Express  
 Standard Based PCIe  
 UPC 822348685479

**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 3.866/g  
 PC Tail Length 3.00mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 2.40mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.00mm  
 Pitch - Termination Interface 1.00mm  
 Plating min - Mating 0.381µm  
 Polarized to Mating Part Yes  
 Temperature Range - Operating -55°C to +85°C  
 Termination Interface: Style Through Hole

**Electrical**

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



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2017 (12  
 January 2017)

**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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

87715 Series

**Mates With**

PCI Express Card

**Solder Process Data**

Lead-free Process Capability  
Process Temperature max. C

WAVE  
245

**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-87715-207

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