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**Part Number:** [87715-9000](#)  
**Status:** **Active**  
**Overview:** PCI Express Card Edge Connector  
**Description:** 1.00mm Pitch, PCI Express\* Connector, 36 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, Gold Soldertail, Lead-Free

**Documents:**

[3D Model](#) [Test Summary TS-87715-207 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-87715-200 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Edge Card Connectors  
 Series [87715](#)  
 Comments PCI 1 lane  
 Component Type Edgecard to PCB  
 Overview [PCI Express Card Edge Connector](#)  
 Product Name PCI Express\*  
 UPC 822348678983

**Physical**

(p)ower-(s)ignal Configuration 36s - 0p  
 Circuits (Loaded) 36  
 Circuits (maximum) 36  
 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 2.806/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 0.051µm  
 Plating min - Termination 2.540µm  
 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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 10

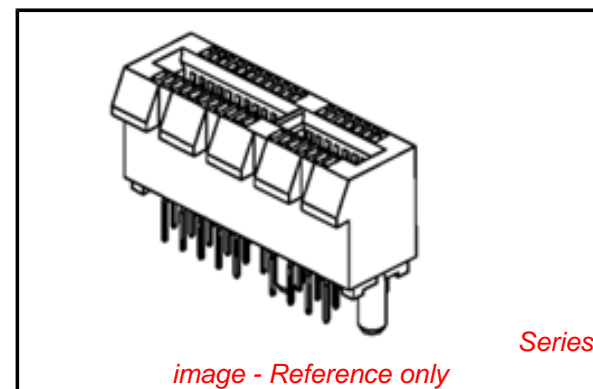


image - Reference only

**EU RoHS**

**ELV and RoHS  
 Compliant**  
**REACH SVHC  
 Contains SVHC: No  
 Low-Halogen Status  
 Not Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of  
 Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

**Search Parts in this Series**

[87715Series](#)

**Mates With**

PCI Express Card

Lead-free Process Capability  
Max. Cycles at Max. Process Temperature  
Process Temperature max. C

Wave Capable (TH only)  
1  
260

### **Material Info**

### **Reference - Drawing Numbers**

Electrical Model Document

EE-87715-001, EE-87715-002, EE-87715-005,  
EE-87715-006, EE-87715-009, EE-87715-010,  
EE-87715-011

Product Specification

PS-87715-200

S-Parameter Model

SP-87715-011

Sales Drawing

SD-87715-207, SD-87715-901

Test Summary

TS-87715-207

\* PCI Express is a registered trademark of PCI-SIG®

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