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**Part Number:** [0877159305](#)  
**Status:** **Active**  
**Overview:** [pci\\_express\\_card\\_edge\\_connector](#)  
**Description:** 1.00mm (.039") Pitch, PCI Express\* Connector, 164 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm (15µ") Gold (Au) Plating, with Plastic Pegs, 3.00mm (.118") Solder-tail, Lead Free

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Edge Card Connectors  
 Series 87715  
 Comments PCI 16 lanes  
 Component Type Edgecard to PCB  
 Overview [pci\\_express\\_card\\_edge\\_connector](#)  
 Product Name PCI Express\*

**Physical**

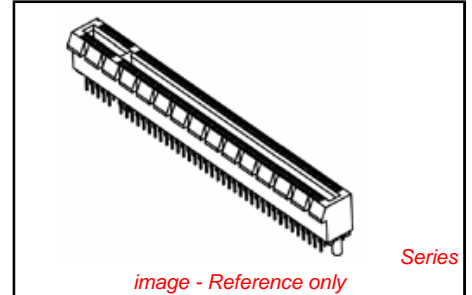
(p)ower-(s)ignal Configuration 164s - 0p  
 Circuits (Loaded) 164  
 Circuits (maximum) 164  
 Color - Resin Black  
 Durability (mating cycles max) 50  
 Entry Angle Vertical (Top Entry)  
 Flammability 94V-0  
 Keying to Mating Part Yes  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 PC Tail Length 3.00mm (.118")  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 2.40mm (.094")  
 Packaging Type Tray  
 Pitch - Mating Interface 1.00mm (.039")  
 Pitch - Termination Interface 1.00mm (.039")  
 Plating min - Mating 0.381µm (15µ")  
 Plating min - Termination 2.540µm (100µ")  
 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  
 Lead-free Process Capability Wave Capable (TH only)  
 Max. Cycles at Max. Process Temperature 1



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**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

Process Temperature max. C 260

#### Material Info

#### Reference - Drawing Numbers

Product Specification	PS-87715-200
Sales Drawing	SD-87715-207, SD-87715-901
Test Summary	TS-87715-207

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

This document was generated on 02/04/2011

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