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Part Number: [87715-9306](#)
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 Solder-tail, 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

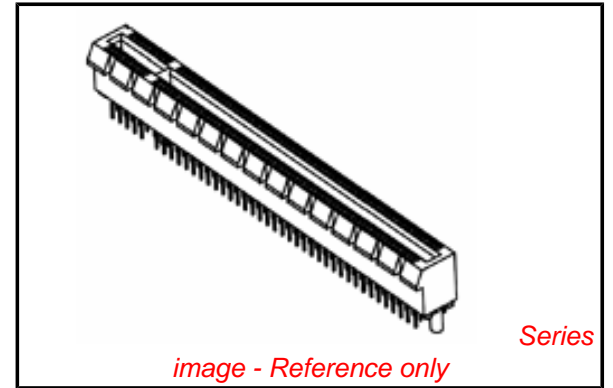
CSA LR19980
 UL E29179

General

Product Family Edge Card Connectors
 Series [87715](#)
 Circuit Size Range 65-200 Circuits
 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 822348683444

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
 Net Weight 8.500/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
 Plating min - Termination 2.540µm
 Polarized to Mating Part Yes
 Temperature Range - Operating -55°C to +85°C



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
 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

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

Reflow Capable (SMT only)

Max. Cycles at Max. Process Temperature

1

Process Temperature max. C

260

Material Info

Reference - Drawing Numbers

Electrical Model Document

EE-87715-002, EE-87715-011, EE-87715-012,
EE-87715-013, EE-87715-014

Product Specification

PS-87715-200

S-Parameter Model

SP-87715-002, SP-87715-011, SP-87715-012,
SP-87715-013, SP-87715-014

Sales Drawing

SD-87715-901

Signal Integrity Report

SI-87715-002

Test Summary

TS-87715-207

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

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