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Part Number: [0877159307](#)
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, 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

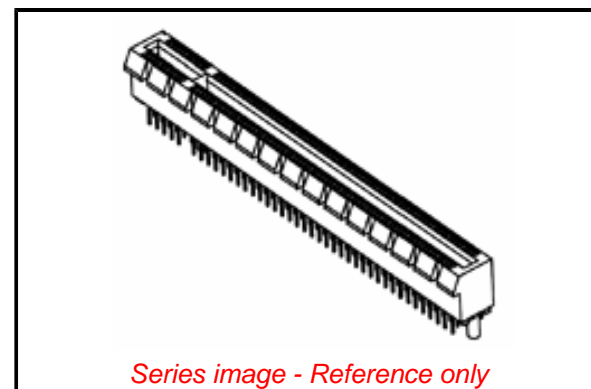
CSA LR19980
 UL E29179

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 822348666225

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 8.688/g
 PC Tail Length 2.30mm
 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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Not Low-Halogen

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

Email 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

Electrical

Current - Maximum per Contact
Voltage - Maximum

1.1A
50V AC (RMS)/DC

Solder Process Data

Lead-free Process Capability
Process Temperature max. C

WAVE
245

Material Info**Reference - Drawing Numbers**

Electrical Model Document

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

Sales Drawing

SD-87715-207

Signal Integrity Report

SI-87715-002

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