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Part Number: [0877159302](#)
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, 0.38µm 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

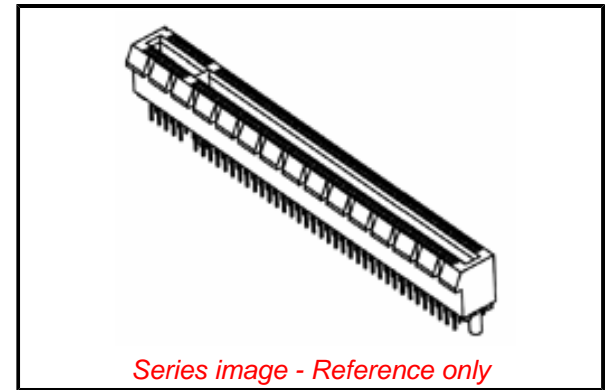
CSA LR19980
 UL E29179

General

Product Family Edge Card Connectors
 Series [87715](#)
 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 822348683406

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 8.693/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 0.381µm
 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 1.1A
Voltage - Maximum 50V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds) 010
Lead-free Process Capability WAVE
Max. Cycles at Max. Process Temperature 001
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
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-87715-901
Signal Integrity Report SI-87715-002

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

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