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Part Number: [0877159306](#)
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:

[Drawing \(PDF\)](#)
[Product Specification PS-87715-200-001 \(PDF\)](#)
[Product Specification TS-87715-207-001 \(PDF\)](#)
[Packaging Specification PK-87715-207 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

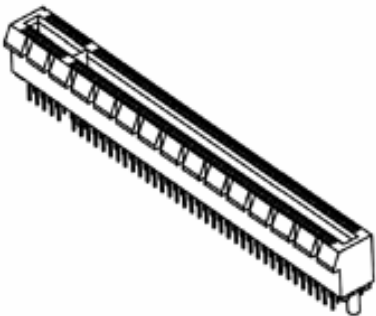
CSA LR19980
UL E29179

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
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-freeProcess Capability	REFLOW
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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