

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0877159300**  
**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 Solder-tail, Lead-Free

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification TS-87715-207-001 (PDF)</a>
<a href="#">Product Specification PS-87715-200-001 (PDF)</a>	<a href="#">Packaging Specification PK-87715-207 (PDF)</a>
<a href="#">Product Specification TS-87715-002-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

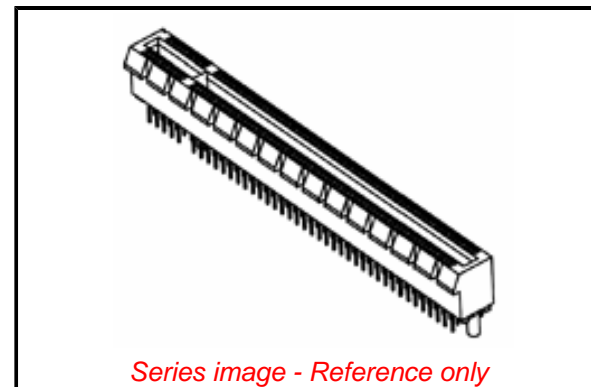
CSA	LR19980
UL	E29179

**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	<a href="#">PCI Express* Card Edge Connector</a>
Product Name	PCI Express
Standard Based	PCIe
UPC	822348683383

**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	8.691/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	0.051µm
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/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

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-87715-002-001,  
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

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