

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

**Part Number:** [0877159105](#)  
**Status:** **Active**  
**Overview:** PCI Express\* Card Edge Connector  
**Description:** 1.00mm Pitch, PCI Express\* Connector, 64 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm Gold Solder-tail, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-87715-207 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-87715-207 (PDF)</a>
<a href="#">Product Specification PS-87715-200 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

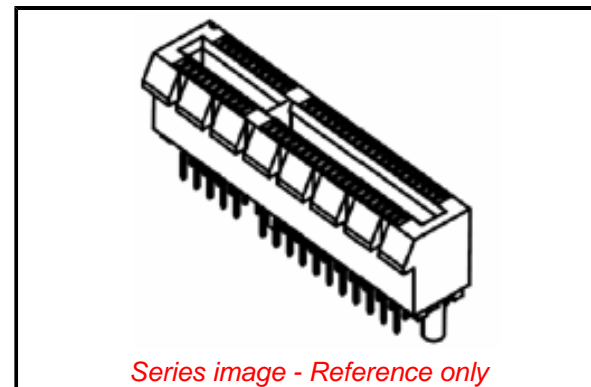
Product Family	Edge Card Connectors
Series	<a href="#">87715</a>
Circuit Size Range	1-64 Circuits
Comments	PCI 4 lanes
Component Type	Edgecard to PCB
Data Rate	8.0 Gbps
Edge Card Thickness	1.57mm
Electrical Model	Yes
High Power Bay (30.0A or more)	No
Orientation	Vertical
Overview	<a href="#">PCI Express* Card Edge Connector</a>
Product Name	PCI Express*
Standard Based	PCIe
UPC	822348685479

**Physical**

(p)ower-(s)ignal Configuration	64s - 0p
Circuits (Loaded)	64
Circuits (maximum)	64
Durability (mating cycles max)	50
Entry Angle	Vertical (Top Entry)
Flammability	94V-0
Keying to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	3.866/g
PC Tail Length	3.00mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.40mm
Packaging Type	Tray
Pitch - Mating Interface	1.00mm
Pitch - Termination Interface	1.00mm
Plating min - Mating	0.381µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	1.1A
Voltage - Maximum	50V AC (RMS)/DC



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/21/2016 (20 June  
2016)

**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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[87715 Series](#)

**Mates With**

PCI Express\* Card

**Solder Process Data**

Lead-free Process Capability  
Process Temperature max. C

WAVE  
245

**Material Info****Reference - Drawing Numbers**

Electrical Model Document

EE-87715-004, EE-87715-011, EE-87715-012,  
EE-87715-013, EE-87715-014

Packaging Specification

PK-87715-207

Product Specification

PS-87715-200

S-Parameter Model

SP-87715-004, SP-87715-011, SP-87715-012,  
SP-87715-013, SP-87715-014

Sales Drawing

SD-87715-207

Test Summary

TS-87715-207

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

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