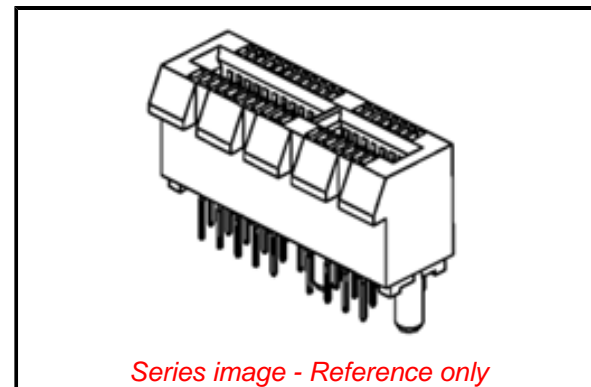


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0877159002](#)  
**Status:** **Active**  
**Overview:** PCIe PCI-X Connectors  
**Description:** 1.00mm Pitch, PCI Express Connector, 36 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-87715-207-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-87715-207-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-87715-200-001 (PDF)</a>	



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	Edge Card Connectors
Series	<a href="#">87715</a>
Comments	PCI 1 lane
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="#">PCIe PCI-X Connectors</a>
Product Name	PCI Express
Standard Based	PCIe
UPC	822348678976

**Physical**

(p)ower-(s)ignal Configuration	36s - 0p
Circuit Size Range	1-64 Circuits
Circuits (Loaded)	36
Circuits (maximum)	36
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	2.590/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° to +85°C

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[87715 Series](#)

**Mates With**

PCI Express Card

Termination Interface: Style Through Hole

**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 REFLOW  
Max. Cycles at Max. Process Temperature 001  
Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document EE-87715-002-001, EE-87715-011-001,  
EE-87715-012-001, EE-87715-013-001,  
EE-87715-014-001  
Packaging Specification PK-87715-207-001  
Product Specification PS-87715-200-001  
S-Parameter Model SP-87715-002-001, SP-87715-011-001,  
SP-87715-012-001, SP-87715-013-001,  
SP-87715-014-001  
Sales Drawing SD-87715-901-001  
Signal Integrity Report SI-87715-002-001  
Test Summary TS-87715-207-001

This document was generated on 09/22/2021

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