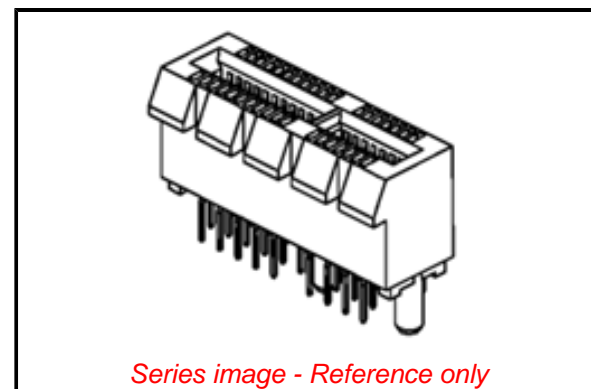


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Part Number: [0877159006](#)
Status: **Active**
Overview: PCI Express* Card Edge Connector
Description: 1.00mm Pitch, PCI Express* Connector, 36 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.76µm Gold Solder-tail, Lead-Free

Documents:

3D Model	Packaging Specification PK-87715-001 (PDF)
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)	



Series image - Reference only

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Edge Card Connectors
Series	87715
Circuit Size Range	1-64 Circuits
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	<u>PCI Express* Card Edge Connector</u>
Product Name	PCI Express*
Standard Based	PCIe
UPC	822348679836

Physical

(p)ower-(s)ignal Configuration	36s - 0p
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	2.867/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

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
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

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, EE-87715-011, EE-87715-012,
EE-87715-013, EE-87715-014
Packaging Specification PK-87715-001, 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®.

This document was generated on 12/28/2016

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