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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:

[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 \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

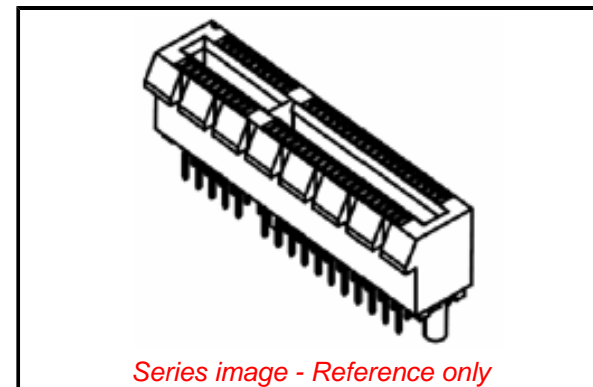
Product Family Edge Card Connectors
 Series 87715
 Circuit Size Range 1-64 Circuits
 Comments PCI 4 lanes
 Component Type Edgecard to PCB
 Data Rate 8.0 Gbps
 Edge Card Thickness 1.57mm
 Electrical Model Yes
 High Power Bay (30.0A or more) No
 Orientation Vertical
 Overview PCI Express* Card Edge Connector
 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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/01/2017 (12
 January 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

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-87715-200-001, TS-87715-207-001

S-Parameter Model

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

Sales Drawing

SD-87715-207

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

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