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Part Number: **0877159303**
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:

[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

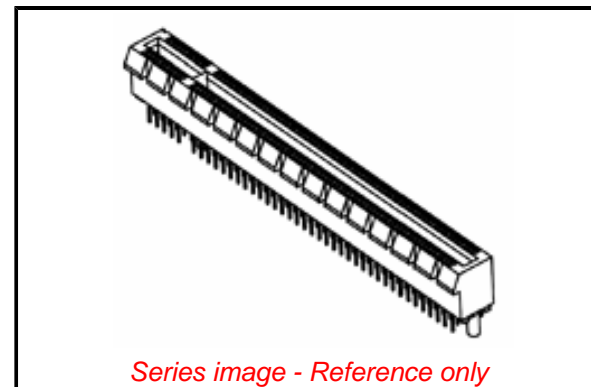
CSA LR19980
 UL E29179

General

Product Family Edge Card Connectors
 Series [87715](#)
 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 [PCI Express* Card Edge Connector](#)
 Product Name PCI Express
 Standard Based PCIe
 UPC 822348683413

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 8.698/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 0.051µm
 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
 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
Voltage - Maximum

1.1A
50V AC (RMS)/DC

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-87715-901

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