

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877159300

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)

Product Specification TS-87715-207-001 (PDF)
- Product Specification PS-87715-200-001 (PDF)

Packaging Specification PK-87715-207 (PDF)
- Product Specification TS-87715-002-001 (PDF)

RoHS Certificate of Compliance (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

822348683383

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

8.691/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

0.051µm

Plating min - Termination

2.540µm

Polarized to Mating Part

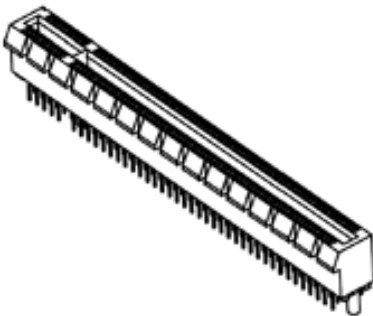
Yes

Temperature Range - Operating

-55° to +85°C

Termination Interface: Style

Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/61/2018 (27 June
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

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

87715 Series

Mates With

PCI Express Card

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	WAVE
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-87715-207
Product Specification	PS-87715-200-001, TS-87715-002-001, 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

This document was generated on 08/16/2018

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[87715-9300](#)