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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:

| | |
|--|--|
| Drawing (PDF) | Packaging Specification PK-87715-001 (PDF) |
| Product Specification PS-87715-200-001 (PDF) | Packaging Specification PK-87715-207 (PDF) |
| Product Specification TS-87715-207-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

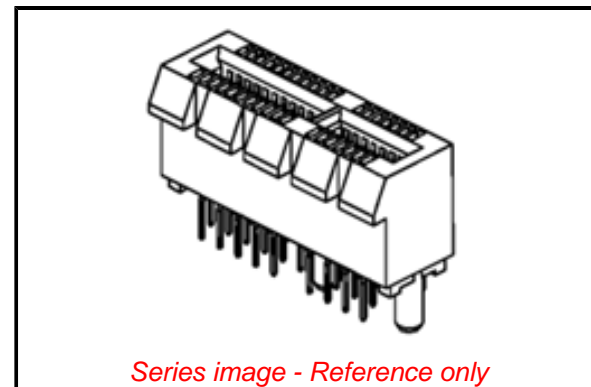
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

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 | PCI Express* Card Edge Connector |
| 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 |
| Termination Interface: Style | Through Hole |



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

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

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