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Part Number: **0877159002**
Status: **Active**
Overview: pci_express_card_edge_connector
Description: 1.00mm (.039") Pitch, PCI Express* Connector, 36 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm (15µ") Gold (Au) Plating, with Plastic Pegs, 2.54mm (.100") Solder-tail, Lead Free

Documents:

[3D Model](#) [Product Specification PS-87715-200 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Edge Card Connectors
 Series 87715
 Comments PCI 1 lane
 Component Type Edgecard to PCB
 Overview [pci_express_card_edge_connector](#)
 Product Name PCI Express*

Physical

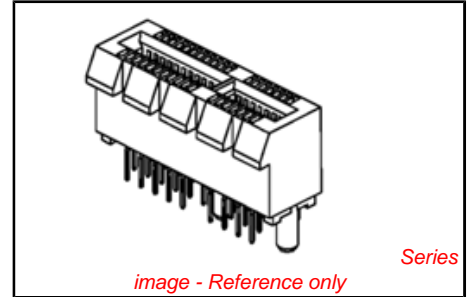
(p)ower-(s)ignal Configuration 36s - 0p
 Circuits (Loaded) 36
 Circuits (maximum) 36
 Color - Resin Black
 Durability (mating cycles max) 50
 Entry Angle Vertical (Top Entry)
 Flammability 94V-0
 Keying to Mating Part Yes
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 PC Tail Length 2.54mm (.100")
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.60mm (.063")
 Packaging Type Tray
 Pitch - Mating Interface 1.00mm (.039")
 Pitch - Termination Interface 1.00mm (.039")
 Plating min - Mating 0.381µm (15µ")
 Plating min - Termination 2.540µm (100µ")
 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

Solder Process Data

Lead-free Process Capability Wave Capable (TH only)
 Process Temperature max. C 245



<p>EU RoHS ELV and RoHS Compliant REACH SVHC Not Reviewed Low-Halogen Status Not Low-Halogen</p>	<p>China RoHS</p>
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Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
 87715Series

Mates With
 PCI Express Card

Material Info

Country of Origin

CN, HK, TW

Reference - Drawing Numbers

Packaging Specification

PK-87715-207

Product Specification

PS-87715-200

Sales Drawing

SD-87715-207, SD-87715-901

Test Summary

TS-87715-207

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

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