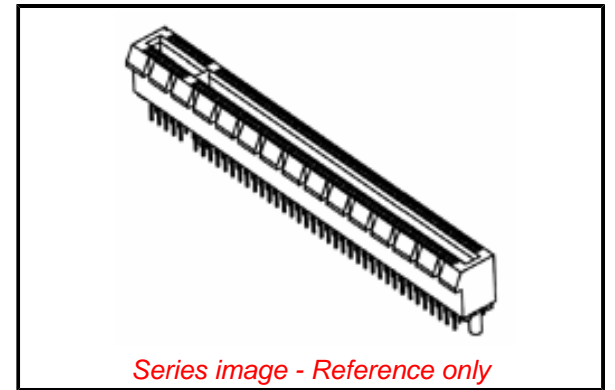


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Part Number: [0877159302](#)
Status: **Active**
Overview: PCIe PCI-X Connectors
Description: 1.00mm Pitch, PCI Express Connector, 164 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm Gold Solder-tail, Lead-Free

Documents:

3D Model	Packaging Specification PK-87715-207-001 (PDF)
3D Model (PDF)	Test Summary TS-87715-207-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-87715-200-001 (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	PCIe PCI-X Connectors
Product Name	PCI Express
Standard Based	PCIe
UPC	822348683406

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	8.693/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	0.381µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-55° to +85°C

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[87715 Series](#)

Mates With

PCI Express Card

Termination Interface: Style Through Hole

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 WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Electrical Model Document EE-87715-002-001, EE-87715-011-001,
EE-87715-012-001, EE-87715-013-001,
EE-87715-014-001
Packaging Specification PK-87715-207-001
Product Specification PS-87715-200-001
S-Parameter Model SP-87715-002-001, SP-87715-011-001,
SP-87715-012-001, SP-87715-013-001,
SP-87715-014-001
Sales Drawing SD-87715-901-001
Signal Integrity Report SI-87715-002-001
Test Summary TS-87715-207-001

This document was generated on 11/15/2021

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[GPCP146400111HR](#) [GPCP442628110HR](#) [GPCP446200120HR](#) [GPCP245400111HR](#) [10082378-10000TLF](#) [87715-9256](#) [MDT580M03001](#)
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[PSASF2130311TR](#) [PSASF3130411TR](#) [PSASF3130131TR](#) [7-1734774-7](#) [3-1761465-1](#) [10039755-10111TLF](#) [10039755-10112TLF](#) [10018783-](#)
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