



Part Number : [877159106](#)

Product Description : 1.00mm Pitch, PCI Express Connector, 64 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.76µm Gold Solder-tail, Lead-Free

Series Number : 87715

Status : Active

Product Category : Card Edge Connectors

Documents & Resources

Drawings

[Drawing 877159106_sd.pdf](#)

[Packaging Design Drawing PK-87715-207-001.pdf](#)

3D Models and Design Files

[3D Model 877159106_stp.zip](#)

[Electrical Model Document EE-87715-014-001.pdf](#)

[Electrical Model Document EE-87715-013-001.pdf](#)

[Electrical Model Document EE-87715-012-001.pdf](#)

[Electrical Model Document EE-87715-011-001.pdf](#)

[Electrical Model Document EE-87715-002-001.pdf](#)

[Signal Integrity Report SI-87715-002-001.pdf](#)

[S-Parameter Model SP-87715-014-001.zip](#)

[S-Parameter Model SP-87715-013-001.zip](#)

[S-Parameter Model SP-87715-002-001.zip](#)

[S-Parameter Model SP-87715-012-001.zip](#)

[S-Parameter Model SP-87715-011-001.zip](#)


Specifications

[Product Specification PS-87715-200-001.pdf](#)

[Test Summary TS-87715-207-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)

EU RoHS	Compliant per EU 2015/863
---------	---------------------------

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Card Edge Connectors
Series	87715
Description	1.00mm Pitch, PCI Express Connector, 64 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.76µm Gold Solder-tail, Lead-Free
Comments	PCI 4 lanes
Component Type	Edgecard to PCB
Product Family	PCIe PCI-X Connectors
Product Name	PCI Express
Standard Based	PCIe
UPC	822348685486

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.1A
Data Rate	8.0 Gbps

High Power Bay (30.0A or more)	No
Voltage - Maximum	50V AC (RMS)/DC

Physical

Circuit Size Range	1-64 Circuits
Circuits (Loaded)	64
Circuits (maximum)	64
Durability (mating cycles max)	50
Edge Card Thickness	1.57mm
Entry Angle	Vertical (Top Entry)
Flammability	94V-0
Keying to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	3.864/g
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	2.54mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	1.00mm
Pitch - Termination Interface	1.00mm
Plating min - Mating	0.762µm
Polarized to Mating Part	Yes
(p)ower-(s)ignal Configuration	64s - 0p
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	PCI Express Card

This document was generated on Apr 10, 2024