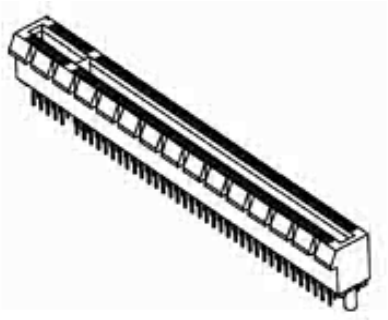
Part Number : 877159302
Product Description : 1.00mm Pitch, PCI Express Connector, 164 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm Gold Soldertail, Lead-Free
Series Number : 87715
Status : Active
Product Category : Card Edge Connectors



Documents & Resources

Drawings

877159302_sd.pdf

PK-87715-207-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

EE-87715-002-001.pdf

EE-87715-011-001.pdf

EE-87715-012-001.pdf

EE-87715-013-001.pdf

EE-87715-014-001.pdf

SI-87715-002-001.pdf

SP-87715-002-001.zip

SP-87715-011-001.zip

SP-87715-012-001.zip

SP-87715-013-001.zip

SP-87715-014-001.zip

Specifications

PS-87715-200-001.pdf

TS-87715-207-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

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

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Card Edge Connectors
Series	87715
Description	1.00mm Pitch, PCI Express Connector, 164 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm Gold Soldertail, Lead-Free
Comments	PCI 16 lanes

Component Type	Edgecard to PCB
Product Name	PCI Express
UPC	822348683406

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

Circuits (Loaded)	164
Circuits (maximum)	164
Color - Resin	Black
Durability (mating cycles max)	50
Edge Card Thickness	1.57mm
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
Orientation	Vertical
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.54mm
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
(p)ower-(s)ignal Configuration	164s - 0p
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Through Hole

Solder Process Data

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

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	PCI Express Card