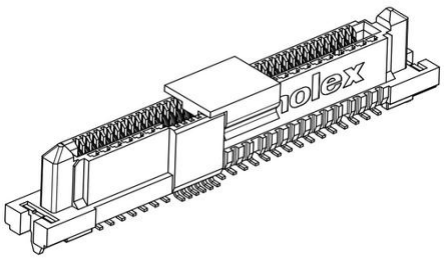
Part Number : 2079721004
Product Description : 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-4/PCIe-4 Receptacle, Vertical, Surface Mount, with 1.70mm Blade, 8.15mm Height, 1.05mm Peg Length, 1.00mm Minimum PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free
Series Number : 207972
Status : Active
Product Category : I/O Connectors



Documents & Resources

Drawings

2079721004_sd.pdf

2079720008-PK-PKG.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

2079720001-000.pdf

2079720001-001.pdf

2079720001-011.pdf

2079720001-000.zip

2079720001-001.zip

2079720001-011.zip

Specifications

2079720001-000.pdf

2079720001-PS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant

China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 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	I/O Connectors
Series	207972
Description	1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-4/PCIe-4 Receptacle, Vertical, Surface Mount, with 1.70mm Blade, 8.15mm Height, 1.05mm Peg Length, 1.00mm Minimum PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free
Application	Board-to-Board
Comments	With Cap
Component Type	Receptacle

Product Name	SAS-4/PCIe-4,U.2 (SFF-8639)
Type	N/A
UPC	191130074785

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	29V AC (RMS)/DC

Physical

Circuits Detail	Signal 53, Power 15
Circuits (Loaded)	68
Color - Resin	Black
Durability (mating cycles max)	500
Gender	Female
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	1.879/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.00mm min.
Pitch - Mating Interface	0.80mm, 1.27mm
Pitch - Termination Interface	0.80mm, 1.27mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Temperature Range - Operating	-55° to +85°C

Termination Interface Style	Surface Mount

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	U.2 (SFF-8639) Plugs, SFF-8482 and SFF-8680 Plugs, SAS / SATA Plugs