



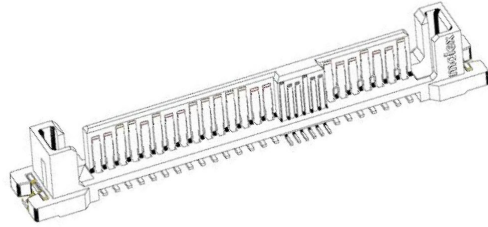
Part Number : [1510420001](#)

Product Description : 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3/PCIe-3 Plug, Vertical, Surface Mount, with Solder Tab, 7.00mm Height, 0.60mm Peg Length, 1.40mm PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free

Series Number : 151042

Status : Active

Product Category : I/O Connectors



Documents & Resources

Drawings

[Drawing 1510420001_sd.pdf](#)

[Packaging Design Drawing PK-151042-0001-001.pdf](#)

3D Models and Design Files

[3D Model 1510420001_stp.zip](#)

[Electrical Model Document EE-151042-0001-001.pdf](#)

[S-Parameter Model SP-151042-0001-001.zip](#)

Specifications


[Application Specification AS-151042-0001-001.pdf](#)

[Product Specification PS-151042-0001-001.pdf](#)

[Test Summary TS-151042-0001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 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	I/O Connectors
Series	151042
Description	1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3/PCIe-3 Plug, Vertical, Surface Mount, with Solder Tab, 7.00mm Height, 0.60mm Peg Length, 1.40mm PCB Thickness, 68 Circuits, with Cap, Embossed Tape and Reel, Lead-Free
Application	Board-to-Board
Comments	With Cap
Component Type	Plug
Product Family	Serial Attached SCSI (SAS) Connectors
Product Name	SAS-3/PCIe-3,U.2 (SFF-8639)
Type	N/A
UPC	889056146388

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	30V

Physical

Circuits Detail	Signal 53, Power 15
Circuits (Loaded)	68
Color - Resin	Black
Durability (mating cycles max)	500
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	2.450/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	1.40mm
Pitch - Mating Interface	0.80mm, 1.27mm
Pitch - Termination Interface	0.80mm, 1.27mm
Plating min - Mating	0.762µm
Plating min - Termination	0.076µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Temperature Range - Operating	0° to +55°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) Receptacles, SFF-8482 and SFF-8680 Receptacles, SAS / SATA Receptacles

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