

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1510420002](#)

Status: **Active**

Overview:

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

General

Product Family	I/O Connectors
Series	151042
Application	Board-to-Board
Comments	With Cap
Component Type	Plug
Electrical Model	Yes
Overview	serial_attached_scsi_sff_8484
Product Name	SAS-3/PCIe-3, U.2 (SFF-8639)
Type	N/A
UPC	193264428694

Physical

Circuits (Loaded)	68
Circuits Detail	Signal 53, Power 15
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	1.281/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.40mm
Packaging Type	Embossed Tape on Reel
Panel Mount	No
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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0° to +55°C
Termination Interface: Style	Surface Mount

Electrical

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

Material Info

Reference - Drawing Numbers

Application Specification	AS-151042-0001-001
Packaging Specification	1510420002-PK-PKG

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

Halogen-Free

Status

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

[151042 Series](#)

Mates With

U.2 (SFF-8639) Receptacles|SFF-8482
and SFF-8680 Receptacles|SAS / SATA
Receptacles

This document was generated on 09/14/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION