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Part Number: [1511240001](#)
Status: **Active**
Overview: Serial Attached SCSI (SAS) Connectors
Description: 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3/PCIe-3 Reverse Receptacle, Right-Angle, Surface Mount, with Forklock, 0.35mm Height, 3.50mm Peg Length, 1.60mm PCB Thickness, 68 Circuits, Embossed Tape and Reel, Lead-Free

Documents:

[3D Model](#) [Product Specification PS-151124-0001-001 \(PDF\)](#)
[3D Model \(PDF\)](#) [Packaging Specification PK-151124-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

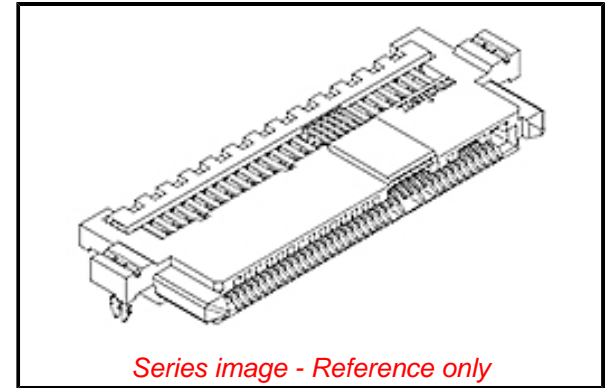
CSA LR19980
 UL E29179

General

Product Family I/O Connectors
 Series [151124](#)
 Application Board-to-Board
 Comments Without Cap
 Component Type Receptacle
 Electrical Model Yes
 Overview [Serial Attached SCSI \(SAS\) Connectors](#)
 Product Name SAS-3/PCIe-3, U.2 (SFF-8639)
 Type N/A
 UPC 889056231725

Physical

Circuits (Loaded) 68
 Circuits Detail Signal 53, Power 15
 Color - Resin Black
 Durability (mating cycles max) 500
 Flammability 94V-0
 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 2.434/g
 Number of Rows 2
 Orientation Right Angle
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.60mm
 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 2.540µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Surface Mount Compatible (SMC) Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
 D(2020)4578-DC (25
 June 2020)
 1,2-
 Benzenedicarboxylic
 acid, dihexyl ester,
 bra
 Terphenyl,
 hydrogenated
 2-(2H-benzotriazol-2-
 yl)-4-(tert-butyl)-6-
 (sec-b
 2-(2H-benzotriazol-2-
 yl)-4,6-
 ditertpentylphenol
 2-ethylhexyl 10-
 ethyl-4,4-dioctyl-7-
 oxo-8-oxa-3,
 sodium
 peroxometaborate
 2,4-di-tert-butyl-6-(5-
 chlorobenzotriazol-2-
 yl)p
 2-benzotriazol-2-
 yl-4,6-di-tert-
 butylphenol
 ammoniumpentadecafluorooctanoate
 disodium 4-
 amino-3-[[4'-[(2,4-
 diaminophenyl)azo]
 1,3-propanesultone
 1-vinylimidazole
 1,2-diethoxyethane
 disodium 3,3'-[[1,1'-
 biphenyl]-4,4'-
 diylbis(azo)
 dodecamethylcyclohexasiloxane
 perfluorooctanoic acid

China RoHS

Temperature Range - Operating	0° to +55°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Electrical	
Current - Maximum per Contact	1.5A
Voltage - Maximum	30V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Electrical Model Document	EE-151124-0001
Packaging Specification	PK-151124-0001
Product Specification	PS-151124-0001-001
S-Parameter Model	SP-151124-0001
Sales Drawing	SD-151124-0001

di-n-pentyl phthalate
 (DPP)
 furan
 4-o-tolylazo-o-
 toluidine
 ethylene thiourea
 4-methyl-m-
 phenylenediamine
 o-toluidine
 butyl 4-
 hydroxybenzoate
 phenanthrene
 dicyclohexyl phthalate
 p-(1,1-
 dimethylpropyl)phenol
 N-methylacetamide
 dimethyl sulphate
 pentacosafuorotridecanoic
 acid
 Perfluorohexane-1-
 sulphonic acid and its
 salts
 5-sec-butyl-2-(2,4-
 dimethylcyclohex-3-
 en-1-yl)-5
 1,2-
 benzenedicarboxylic
 acid, di-C6-10-alkyl
 est
 reaction mass of
 2-ethylhexyl 10-
 ethyl-4,4-dioct
 Cadmium sulphate
 Bisphenol-A
 Methylhexahydrophthalic
 anhydride
 Perfluorononan-1-
 oic acid
 (2,2,3,3,4,4,5,5,6,6,7
 Reaction
 products of 1,3,4-
 thiadiazolidine-2,5-d
 Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
 Pyrene
 Perfluorobutane
 sulfonic acid (PFBS)
 and its sal
 Tris(4-nonylphenyl,
 branched and linear)
 phosphi
 Nonadecafluorodecanoic
 acid (PFDA) and its
 sodiu
 4-Nonylphenol,
 branched and linear,
 ethoxylated
 Trixylyl phosphate
 4-Nonylphenol,
 branched and linear
 [substances w
 Zirconia
 Aluminosilicate
 Refractory Ceramic
 Fibr

Aluminosilicate
Refractory Ceramic
Fibres
Sodium dichromate
4,4'-Oxydianiline and
its salts
Boric acid
Disodium tetraborate
n-pentyl-
isopentylphthalate
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
2-benzyl-2-
dimethylamino-4-
morpholinobutyropheno
2-methyl-1-(4-
methylthiophenyl)-2-
morpholinoprop
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
benzo[a]pyrene
1,2-
benzenedicarboxylic
acid; di-C6-8-
branched a
1,2,3-trichloropropane
N-methyl-2-
pyrrolidone
1,2-
benzenedicarboxylic
acid; di-C7-11-
branched
2-ethoxyethyl acetate
cobalt sulphate
cobalt dinitrate
cobalt carbonate
2-methoxyethanol
2-ethoxyethanol
trichloroethylene
tetraboron disodium
heptaoxide, hydrate
potassium dichromate
potassium chromate
Pitch, coal tar, high-
temp.; Pitch
Lead chromate
molybdate sulfate red
lead chromate
Anthracene oil,
anthracene-low;
Anthracene Oil F
lead hydrogen
arsenate
bis(tributyltin) oxide
alkanes, C10-13,
chloro
bis(2-ethylhexyl)
phthalate (DEHP)
musk xylene
diarsenic trioxide
diarsenic pentaoxide
cobalt dichloride

dibutyl phthalate
(DBP)
4,4'-
diaminodiphenylmethane
potassium
hydroxyoctaoxodizincatedichromate(1-)
Fatty acids, C16-18,
lead salts
[phthalato(2-)]dioxotrilead
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
Sulfurous acid, lead
salt, dibasic
lead
bis(tetrafluoroborate)
dioxobis(stearato)trilead
tetralead trioxide
sulphate
lead titanium trioxide
lead oxide sulfate
Silicic acid, lead salt
lead dinitrate
cadmium
lead
[4-[[4-anilino-1-
naphthyl]]4-
(dimethylamino)phen
1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(
Lead oxide
trilead bis(carbonate)
dihydroxide
orange lead
cadmium oxide (non-
pyrophoric)
diboron trioxide
cadmium carbonate
N,N,N',N'-
tetramethyl-4,4'-
methylenedianiline
2,2'-dichloro-4,4'-
methylenedianiline
dichromium
tris(chromate)
bis(2-methoxyethyl)
phthalate
pentazinc chromate
octahydroxide
trilead diarsenate
arsenic acid

**Halogen-Free
Status**

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
151124 Series

Mates With

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

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