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**Part Number:** [0787180002](#)

**Status:** **Active**

**Overview:** Serial Attached SCSI (SAS) Connectors

**Description:** 1.27mm Signal Pitch, 0.80mm Signal Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Right-Angle, Surface Mount, with Blade, 2.85mm Height, 3.50mm Peg Length, 1.60mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape and Reel, Lead-Free

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[3D Model \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

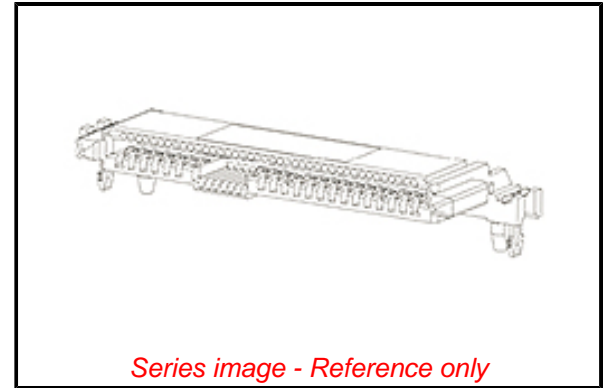
CSA LR19980  
UL E29179

**General**

Product Family I/O Connectors  
Series [78718](#)  
Application Board-to-Board  
Comments With Cap  
Component Type Receptacle  
Electrical Model Yes  
Overview Serial Attached SCSI (SAS) Connectors  
Product Name SAS 12G, SAS-3  
Type N/A  
UPC 887191897523

**Physical**

Circuits (Loaded) 29  
Circuits Detail Signal 14, 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 1.910/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  
Temperature Range - Operating 0° to +55°C  
Termination Interface: Style Surface Mount



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 2020)  
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  
ammoniumpentadecafluorooctanoate  
disodium 4-  
amino-3-[[4'-[(2,4-  
diaminophenyl)azo]  
1,3-propanesultone  
1-vinylimidazole  
dibutyltin dichloride  
1,2-diethoxyethane  
diisopentylphthalate  
disodium 3,3'-[[1,1'-  
biphenyl]-4,4'-  
diylbis(azo)  
decamethylcyclopentasiloxane  
dodecamethylcyclohexasiloxane  
perfluorooctanoic acid  
di-n-pentyl phthalate  
(DPP)  
furan  
4-o-tolylazo-o-  
toluidine  
ethylene thiourea  
4-methyl-m-  
phenylenediamine  
o-toluidine

**China RoHS**

Waterproof / Dustproof	No
<b>Electrical</b>	
Current - Maximum per Contact	1.5A
Voltage - Maximum	30V
<b>Solder Process Data</b>	
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**

butyl 4-hydroxybenzoate  
phenanthrene  
dihexyl phthalate (DnHP)  
dicyclohexyl phthalate  
p-(1,1-dimethylpropyl)phenol  
N-methylacetamide  
dimethyl sulphate  
4-aminoazobenzene  
benzo[a]pyrene  
Terphenyl, hydrogenated  
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  
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  
pentacosafuorotridecanoic  
acid  
diisohexyl phthalate  
1,2-  
Benzenedicarboxylic  
acid, dihexyl ester,  
bra  
bis(2-methoxyethyl)  
phthalate  
pentazinc chromate  
octahydroxide  
trilead diarsenate  
arsenic acid  
potassium  
hydroxyoctaoxidizincatedichromate(1-)  
bis(2-methoxyethyl)  
ether  
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  
strontium chromate  
2-ethoxyethyl acetate  
cobalt sulphate  
cobalt dinitrate  
cobalt carbonate  
2-ethoxyethanol  
trichloroethylene  
tetraboron disodium  
heptaoxide, hydrate  
potassium dichromate  
potassium chromate  
Pitch, coal tar, high-  
temp.; Pitch  
Lead sulfochromate  
yellow  
Lead chromate  
molybdate sulfate red  
lead chromate  
Anthracene oil,  
anthracene-low;  
Anthracene Oil F

lead hydrogen  
arsenate  
bis(2-ethylhexyl)  
phthalate (DEHP)  
diarsenic trioxide  
dibutyl phthalate  
(DBP)  
4,4'-  
diaminodiphenylmethane  
dichromium  
tris(chromate)  
Fatty acids, C16-18,  
lead salts  
[phthalato(2-)]dioxotrilead  
Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
Sulfurous acid, lead  
salt, dibasic  
lead cyanamidate  
lead  
bis(tetrafluoroborate)  
Lead titanium  
zirconium oxide  
dioxobis(stearato)trilead  
tetralead trioxide  
sulphate  
pentalead tetraoxide  
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 sulphide  
cadmium oxide (non-  
pyrophoric)  
diboron trioxide  
bis(pentabromophenyl)  
ether  
cadmium carbonate  
1,2-bis(2-  
methoxyethoxy)ethane  
1,2-dimethoxyethane  
N,N,N',N'-  
tetramethyl-4,4'-  
methylenedianiline  
2,2'-dichloro-4,4'-  
methylenedianiline

**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**

78718 Series

**Mates With**

SFF-8482 and SFF-8680 Plugs|SAS / SATA  
Plugs

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