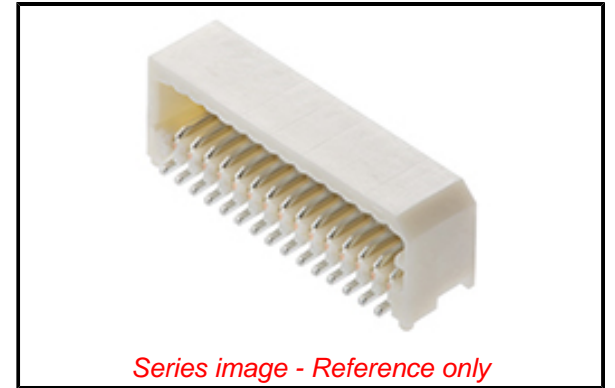


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0533093071](#)  
**Status:** **Active**  
**Overview:** [SlimStack Board-to-Board Connectors](#)  
**Description:** SlimStack Board-to-Board Connector, 0.80mm Pitch, Floating Series, Plug, 5.65 or 6.65mm Mated Height, 30 Circuits, Right-Angle, with Boss

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification SPK-53309-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Guide (PDF)</a>
<a href="#">Product Specification PS-52465-014-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-52588-031-001 (PDF)</a>	<a href="#">Reference Guide (PDF)</a>
<a href="#">Product Specification PS-52588-032-001 (PDF)</a>	



Series image - Reference only

**General**

Product Family	PCB Headers
Series	53309
Application	Board-to-Board, Signal
Overview	<a href="#">SlimStack Board-to-Board Connectors</a>
Product Name	SlimStack
Series Name	0.8
UPC	822348191048

**Physical**

Breakaway	No
Circuits (Loaded)	30
Circuits (maximum)	30
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height	5.65mm
Mated Width	4.70mm, 7.20mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	574.175/mg
Number of Rows	2
Orientation	Right Angle
PC Tail Length	0.40mm
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.80mm
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
Polarized to PCB	No
Shrouded	Fully
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	0.5A
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 2020)  
2-(2H-benzotriazol-2-  
yl)-4,6-  
ditertpentylphenol  
2-ethylhexyl 10-  
ethyl-4,4-dioctyl-7-  
oxo-8-oxa-3,  
disodium octaborate  
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  
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

**China RoHS**

Voltage - Maximum

50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

Product Specification

Sales Drawing

SPK-53309-001-001

PS-52465-014-001, PS-52588-031-001,

PS-52588-032-001

533090000-001, 533091000-001

4-methyl-m-phenylenediamine  
o-toluidine  
butyl 4-hydroxybenzoate  
phenanthrene  
dihexyl phthalate (DnHP)  
dicyclohexyl phthalate  
p-(1,1-dimethylpropyl)phenol  
N-methylacetamide  
dimethyl sulphate  
benzo[a]pyrene  
Fatty acids, C16-18, lead salts  
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  
pentacosafuorotridecanoic acid  
diisohexyl phthalate  
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  
dichromium tris(chromate) bis(2-methoxyethyl) phthalate  
pentazinc chromate octahydroxide  
trilead diarsenate arsenic acid  
potassium hydroxyoctaoxodizincatedichromate(1-)  
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  
tris(2-chloroethyl)  
phosphate  
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(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  
[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  
cadmium hydroxide  
lead  
bis(tetrafluoroborate)  
Lead titanium  
zirconium oxide  
dioxobis(stearato)trilead  
tetralead trioxide  
sulphate  
trilead dioxide  
phosphonate  
pentalead tetraoxide  
sulphate  
lead titanium trioxide  
lead oxide sulfate  
Silicic acid, lead salt  
lead dinitrate  
pyrochlore, antimony  
lead yellow  
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**

**Not 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**

[53309](#) Series

**Mates With**

Board-to-Board Receptacle [52465](#) , [52588](#)

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