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**Part Number:** [0536470874](#)  
**Status:** **Active**  
**Overview:** SlimStack Board-to-Board Connectors  
**Description:** SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Plug, 8.00 or 14.00mm Mated Height, 6.40mm Mated Width, 80 Circuits

**Documents:**

|   |  |
|---|--|
| <a href="#">3D Model (PDF)</a>                                  | <a href="#">Datasheet (PDF)</a>                      |
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Product Guide (PDF)</a>                  |
| <a href="#">3D Model</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification 527600000-000 (PDF)</a>       | <a href="#">Reference Guide (PDF)</a>                |
| <a href="#">Packaging Specification SPK-53647-001-001 (PDF)</a> |  |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">53647</a>                               |
| Application    | Board-to-Board, Signal                              |
| Comments       | Stacking-Type                                       |
| Overview       | <a href="#">SlimStack Board-to-Board Connectors</a> |
| Product Name   | SlimStack   |
| Series Name    | 0.635   |
| UPC            | 822348204960  |

**Physical**

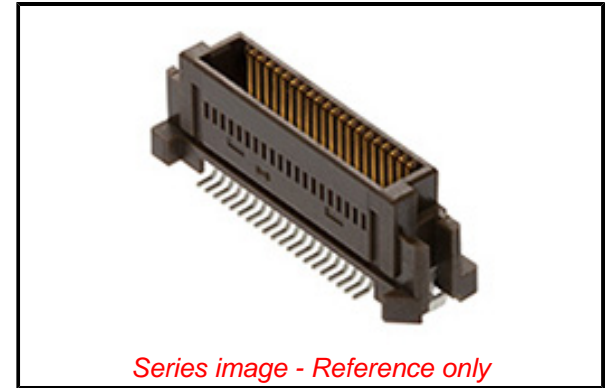
|                                |   |
|--------------------------------|---|
| Breakaway                      | No                                      |
| Circuits (Loaded)              | 80                                      |
| Circuits (maximum)             | 80                                      |
| Color - Resin                  | Brown                                   |
| Durability (mating cycles max) | 50                                      |
| First Mate / Last Break        | No                                      |
| Glow-Wire Capable              | No                                      |
| Guide to Mating Part           | No                                      |
| Keying to Mating Part          | None                                    |
| Lock to Mating Part            | None                                    |
| Mated Height                   | 14.00mm, 8.00mm                         |
| Mated Width                    | 6.40mm                                  |
| Material - Metal               | Brass, Phosphor Bronze, Stainless Steel |
| Material - Plating Mating      | Gold                                    |
| Material - Plating Termination | Tin                                     |
| Net Weight                     | 1075.358/mg                             |
| Number of Rows                 | 2                                       |
| Orientation                    | Vertical                                |
| PCB Locator                    | Yes                                     |
| PCB Retention                  | Yes                                     |
| Packaging Type                 | Embossed Tape on Reel                   |
| Pitch - Mating Interface       | 0.64mm                                  |
| Polarized to PCB               | Yes                                     |
| Robotic Placement              | Metal Cap                               |
| Temperature Range - Operating  | -55° to +105°C                          |
| Termination Interface: Style   | Surface Mount                           |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum             | 100V |

**Material Info**

**Reference - Drawing Numbers**



*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**

Packaging Specification  
Product Specification  
Sales Drawing

SPK-53647-001-001  
527600000-000  
SD-53647-002-001, SD-53647-003

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 (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
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**

**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**  
53647 Series

**Mates With**  
SlimStack 0.635 Receptacle [52885](#) , [52901](#)

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