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**Part Number:** [0039000182](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Jr. Power Connectors  
**Description:** Mini-Fit Female Crimp Terminal, Selective Gold (Au) over Phosphor Bronze, 18-24 AWG, Bag

**Documents:**

|   |   |
|---|---|
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Packaging Specification PK-5556-003-001 (PDF)</a> |
| <a href="#">Product Specification PS-5556-001-001 (PDF)</a>     | <a href="#">Test Summary 55560010-TS-000 (PDF)</a>            |
| <a href="#">Product Specification PS-5556-002-001 (PDF)</a>     | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>            |
| <a href="#">Application Specification 55560001-AS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |



**General**

|                         |   |
|-------------------------|---|
| Product Family          | Crimp Terminals                               |
| Series                  | 5556  |
| Application             | Power, Wire-to-Board, Wire-to-Wire            |
| Crimp Quality Equipment | Yes   |
| Overview                | <a href="#">Mini-Fit Jr. Power Connectors</a> |
| Packaging Alternative   | <a href="#">39000181 (Reel)</a>               |
| Product Name            | Mini-Fit                                      |
| UPC                     | 800754395847                                  |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30                   |
| Gender                         | Female               |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 0.130/g              |
| Packaging Type                 | Bag                  |
| Plating min - Mating           | 0.762µm              |
| Plating min - Termination      | 0.762µm              |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 1.30-3.10mm          |
| Wire Size AWG                  | 18, 20, 22, 24       |
| Wire Size mm <sup>2</sup>      | N/A                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 9.0A |
| Voltage - Maximum             | 600V |

**Solder Process Data**

|                              |     |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

**Material Info**

|                    |             |
|--------------------|-------------|
| Engineering Number | 5556-PBGSPL |
|--------------------|-------------|

**Reference - Drawing Numbers**

|                           |                                  |
|---------------------------|----------------------------------|
| Application Specification | 55560001-AS-000                  |
| Packaging Specification   | PK-5556-003-001                  |
| Product Specification     | PS-5556-001-001, PS-5556-002-001 |
| Sales Drawing             | SD-5556-006-001                  |
| Test Summary              | 55560010-TS-000, TS-5556-002-001 |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 2020)  
6-methoxy-m-toluidine  
C,C'-  
azodi(formamide)  
di-n-pentyl phthalate  
(DPP)  
tricosafuorododecanoic  
acid  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-  
pen  
heptacosafuorotetradecanoic  
acid  
dodecamethylcyclohexasiloxane  
octamethylcyclotetrasiloxane  
disodium 3,3'-[[1,1'-  
biphenyl]-4,4'-  
diylbis(azo)  
diisopentylphthalate  
methoxyacetic acid  
1,2-diethoxyethane  
dibutyltin dichloride  
2-methylimidazole  
4,4'-methylenedi-o-  
toluidine  
1-vinylimidazole  
1,3-propanesultone  
chromium trioxide  
disodium 4-  
amino-3-[[4'-[(2,4-  
diaminophenyl)azo]  
hencosafuoroundecanoic  
acid  
Ammonium-  
pentadecafluorooctanoate  
sodium  
peroxometaborate

**China RoHS**

1,3,5-tris-[(2S  
and 2R)-2,3-  
epoxypropyl]-1,3,5-t  
benzo[a]pyrene  
4-aminoazobenzene  
diethyl sulphate  
propylene oxide  
dimethyl sulphate  
N-methylacetamide  
p-(1,1-  
dimethylpropyl)phenol  
dihexyl phthalate  
(DnHP)  
phenanthrene  
dinoseb (ISO)  
butyl 4-  
hydroxybenzoate  
o-toluidine  
4-methyl-m-  
phenylenediamine  
ethylene thiourea  
4-o-tolylazo-o-  
toluidine  
4-tert-butylphenol  
nitrobenzene  
1-bromopropane  
ethylenediamine  
furan  
2-methoxyethyl  
acetate  
Trixylyl phosphate  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
4-Nonylphenol,  
branched and linear,  
ethoxylated  
4-Heptylphenol,  
branched and linear  
Nonadecafluorodecanoic  
acid (PFDA) and its  
sodiu  
2,3,3,3-tetrafluoro-2-  
(heptafluoropropoxy)propio  
Tris(4-nonylphenyl,  
branched and linear)  
phosphi  
Fluoranthene  
Pyrene  
Chrysene  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
Reaction  
products of 1,3,4-  
thiadiazolidine-2,5-d  
Perfluorononan-1-  
oic acid  
(2,2,3,3,4,4,5,5,6,6,7  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
hexahydro-2-  
benzofuran-1,3-dione  
Methylhexahydrophthalic  
anhydride

Sodium perborate;  
perboric acid, sodium  
salt  
Cadmium sulphate  
reaction mass of  
2-ethylhexyl 10-  
ethyl-4,4-dioct  
1,2-  
benzenedicarboxylic  
acid, di-C6-10-alkyl  
est  
5-sec-butyl-2-(2,4-  
dimethylcyclohex-3-  
en-1-yl)-5  
Perfluorohexane-1-  
sulphonic acid and its  
salts  
1,7,7-trimethyl-3-  
(phenylmethylene)bicyclo[2.2.1  
2-ethylhexyl 10-  
ethyl-4,4-dioctyl-7-  
oxo-8-oxa-3,  
dibutylbis(pentane-2,4-  
dionato-O,O')tin  
2-(2H-benzotriazol-2-  
yl)-4-(tert-butyl)-6-  
(sec-b  
1,2-  
Benzenedicarboxylic  
acid, dihexyl ester,  
bra  
diisohexyl phthalate  
pentacosafuorotridecanoic  
acid  
1,2-  
benzenedicarboxylic  
acid, dipentylester,  
bra  
2-methyl-1-(4-  
methylthiophenyl)-2-  
morpholinoprop  
4,4-  
isobutylethylidenediphenol  
2-benzyl-2-  
dimethylamino-4-  
morpholinobutyropheno  
3-ethyl-2-methyl-2-  
(3-methylbutyl)-1,3-  
oxazolidi  
n-pentyl-  
isopentylphthalate  
1,3-BENZENEDIOL,  
TRINITRO-, LEAD  
SALT  
Hydrazine  
Disodium tetraborate  
Boric acid  
4,4'-Oxydianiline and  
its salts  
Aluminosilicate  
Refractory Ceramic  
Fibres  
Zirconia  
Aluminosilicate

Refractory Ceramic  
Fibr  
Acids generated from  
chromium trioxide and  
their  
4-Nonylphenol,  
branched and linear  
[substances w  
Carbonic acid,  
cobalt(2+) salt (1:1)  
Acetic acid, cobalt(2+)  
salt  
Cobalt-dinitrate  
Cobalt sulphate  
2-ethoxyethyl acetate  
Strontium-chromate  
1,2-  
benzenedicarboxylic  
acid; di-C7-11-  
branched  
N-methyl-2-  
pyrrolidone  
1,2,3-trichloropropane  
1,2-  
benzenedicarboxylic  
acid; di-C6-8-  
branched a  
Calcium-arsenate  
bis(2-methoxyethyl)  
ether  
potassium  
hydroxyoctaoxidizincatedichromate(1-)  
lead dipicrate  
N,N-  
dimethylacetamide  
arsenic acid  
2-methoxyaniline  
trilead diarsenate  
1,2-dichloroethane  
pentazinc chromate  
octahydroxide  
Formaldehyde,  
polymer with  
benzenamine  
bis(2-methoxyethyl)  
phthalate  
triethyl arsenate  
4,4'-  
diaminodiphenylmethane  
lead hydrogen  
arsenate  
2,4-dinitrotoluene  
Anthracene oil;  
Anthracene oil  
Anthracene oil,  
anthracene paste;  
Anthracene Oil  
Anthracene oil,  
anthracene paste,  
anthracene fra  
Anthracene oil,  
anthracene paste,  
distn. lights;

Anthracene oil,  
anthracene-low;  
Anthracene Oil F  
diisobutyl phthalate  
(DIBP)  
lead chromate  
Lead chromate  
molybdate sulfate red  
Lead sulfochromate  
yellow  
Pitch, coal tar, high-  
temp.; Pitch  
Tris(2-chloroethyl)  
phosphate  
ammonium  
dichromate  
potassium chromate  
potassium dichromate  
sodium chromate  
Boric acid, disodium  
salt, hydrate  
trichloroethylene  
2-ethoxyethanol  
 $\alpha,\alpha$ -Bis[4-  
(dimethylamino)phenyl]-4  
(phenylamino)  
cadmium  
Cadmium-fluoride  
pyrochlore, antimony  
lead yellow  
lead dinitrate  
cadmium chloride  
Silicic acid, lead salt  
lead oxide sulfate  
Lead-titanium-trioxide  
pentalead tetraoxide  
sulphate  
Trilead-dioxide-  
phosphonate  
tetralead trioxide  
sulphate  
dioxobis(stearato)trilead  
Lead titanium  
zirconium oxide  
Borate(1-),  
tetrafluoro-, lead (2+)  
lead cyanamidate  
Acetic acid, lead salt,  
basic  
Sulfurous acid, lead  
salt, dibasic  
Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
[phthalato(2-)]dioxotrilead  
Fatty acids, C16-18,  
lead salts  
lead(II)  
methanesulphonate  
lead diazide  
phenolphthalein  
dichromium  
tris(chromate)  
2,2'-dichloro-4,4'-  
methylenedianiline

formamide  
tetraethyllead  
4,4'-  
bis(dimethylamino)benzophenone  
N,N,N',N'-  
tetramethyl-4,4'-  
methyldianiline  
1,2-dimethoxyethane  
1,2-bis(2-  
methoxyethoxy)ethane  
lead di(acetate)  
[4-[4,4'-  
bis(dimethylamino)  
benzhydrylidene]cycl  
4,4'-  
bis(dimethylamino)-4"-  
(methylamino)trityl  
bis(pentabromophenyl)  
ether  
Diboron-trioxide  
cadmium oxide (non-  
pyrophoric)  
cadmium sulphide  
orange lead  
trilead bis(carbonate)  
dihydroxide  
Lead oxide  
1,3,5-  
tris(oxiranylmethyl)-1,3,5-  
triazine-2,4,6(  
[4-[[4-anilino-1-  
naphthyl]]4-  
(dimethylamino)phen

#### **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**

[5556 Series](#)

#### **Use With**

Mini-Fit Jr. Receptacle Housing [5557](#)  
<br>Mini-Fit BMI Slide and Lock Panel  
Mount [44516](#) <br>Mini-Fit BMI Panel Mount  
Receptacle Housing<br> [42474](#) , [43760](#)

#### **Application Tooling | [FAQ](#)**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

#### **Global**

| <b>Description</b>   | <b>Product #</b>          |
|--|---------------------------|
| Extraction Tool  | <a href="#">11030044</a>  |
| Hand Crimp Tool<br>for Mini-Fit Jr. Male<br>and Female Crimp | <a href="#">638190901</a> |

Terminals, 18-24  
AWG

**Japan**

| <b>Description</b> | <b>Product #</b> |
|--------------------|------------------|
|--------------------|------------------|

|                               |                  |
|-------------------------------|------------------|
| Handtool (Straight<br>Action) | <u>570225500</u> |
| Hand Crimp Tool               | <u>570265000</u> |

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