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**Part Number:** **0039290103**  
**Status:** **Active**  
**Overview:** Mini-Fit Jr. Power Connectors  
**Description:** Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 10 Circuits, without Snap-in Plastic Peg PCB Lock, Gold, Natural

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-5566-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-5566-003-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-5556-002-001 (PDF)</a>
<a href="#">Product Specification PS-5556-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification AS-5557-001-001 (PDF)</a>	

**Agency Certification**

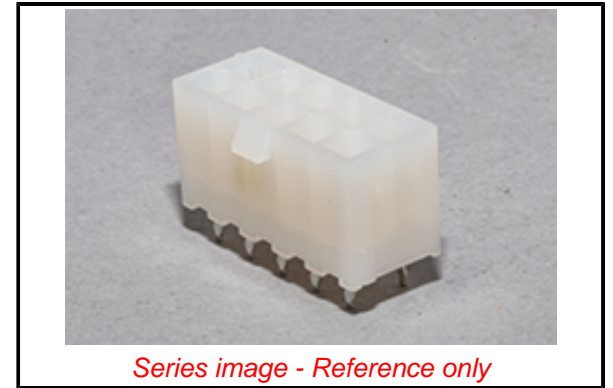
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	5566
Application	Power, Wire-to-Board
Comments	The 5566 header should be used with standard Mini-Fit female terminals. If increased amperage of up to 13A per circuit is needed, please consider using the Mini-Fit Plus HCS family 45750 terminals with 46015 headers; . See Molex Product specification PS-5666-001 for current de-rating information.
Overview	<a href="#">Mini-Fit Jr. Power Connectors</a>
Product Name	Mini-Fit Jr.
UPC	800753628793

**Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	2717.630/mg
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 2020)  
henicosafuoroundecanoic  
acid  
disodium 4-  
amino-3-[[4'-[(2,4-  
diaminophenyl)azo]  
chromium trioxide  
1,3-propanesultone  
1-vinylimidazole  
4,4'-methylenedi-o-  
toluidine  
dibutyltin dichloride  
methoxyacetic acid  
diisopentylphthalate  
disodium 3,3'-[[1,1'-  
biphenyl]-4,4'-  
diylbis(azo)  
octamethylcyclotetrasiloxane  
benzene-1,2,4-  
tricarboxylic acid 1,2-  
anhydride  
decamethylcyclopentasiloxane  
dodecamethylcyclohexasiloxane  
heptacosafuorotetradecanoic  
acid  
tricosafuorododecanoic  
acid  
di-n-pentyl phthalate  
(DPP)  
6-methoxy-m-toluidine  
furan  
1-bromopropane  
nitrobenzene  
4-o-tolylazo-o-  
toluidine  
ethylene thiourea

**China RoHS**

Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

#### Electrical

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

#### Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

#### Material Info

Engineering Number	5566-10AGS
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#### Reference - Drawing Numbers

Application Specification	AS-5557-001-001
Packaging Specification	PK-5566-000, PK-5566-003-001
Product Specification	PS-5556-001-001
Sales Drawing	SD-5566-002-000
Test Summary	TS-5556-002-001

4-methyl-m-phenylenediamine  
o-toluidine  
butyl 4-hydroxybenzoate  
dinoseb (ISO)  
dihexyl phthalate (DnHP)  
dicyclohexyl phthalate  
N-methylacetamide  
dimethyl sulphate  
diethyl sulphate  
4-aminoazobenzene  
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-  
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  
Cadmium sulphate  
Sodium perborate; perboric acid, sodium salt  
hexahydro-2-benzofuran-1,3-dione  
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated  
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  
Chrysene  
Cadmium nitrate  
Pyrene  
Tris(4-nonylphenyl, branched and linear)  
phosphi  
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio  
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated  
Trixylyl phosphate  
Zirconia  
Aluminosilicate  
Refractory Ceramic  
Fibr  
Aluminosilicate  
Refractory Ceramic  
Fibres  
Boric acid

Disodium tetraborate  
Hydrazine  
1,3-BENZENEDIOL,  
TRINITRO-, LEAD  
SALT  
n-pentyl-  
isopentylphthalate  
3-ethyl-2-methyl-2-  
(3-methylbutyl)-1,3-  
oxazolidi  
1,2-  
benzenedicarboxylic  
acid, dipentylester,  
bra  
pentacosafuorotridecanoic  
acid  
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  
dibutylbis(pentane-2,4-  
dionato-O,O')tin  
2-ethylhexyl 10-  
ethyl-4,4-dioctyl-7-  
oxo-8-oxa-3,  
Disodium-octaborate  
sodium  
peroxometaborate  
Ammonium-  
pentadecafluorooctanoate  
pentazinc chromate  
octahydroxide  
1,2-dichloroethane  
trilead diarsenate  
2-methoxyaniline  
arsenic acid  
N,N-  
dimethylacetamide  
lead dipicrate  
potassium  
hydroxyoctaoxidizincatedichromate(1-)  
bis(2-methoxyethyl)  
ether  
Calcium-arsenate  
1,2-  
benzenedicarboxylic  
acid; di-C6-8-  
branched a  
N-methyl-2-  
pyrrolidone  
1,2-  
benzenedicarboxylic  
acid; di-C7-11-  
branched  
2-ethoxyethyl acetate  
Cobalt sulphate

Acetic acid, cobalt(2+) salt  
Carbonic acid, cobalt(2+) salt (1:1)  
Boric acid, disodium salt, hydrate  
sodium chromate  
potassium dichromate  
potassium chromate  
ammonium dichromate  
Tris(2-chloroethyl) phosphate  
Lead sulfochromate yellow  
Lead chromate  
molybdate sulfate red  
lead chromate  
Anthracene oil, anthracene-low; Anthracene Oil F  
Anthracene oil, anthracene paste, distn. lights;  
Anthracene oil, anthracene paste, anthracene fra  
Anthracene oil, anthracene paste;  
Anthracene Oil  
Butylbenzylphthalate (BBP)  
lead hydrogen arsenate  
bis(2-ethylhexyl) phthalate (DEHP)  
dibutyl phthalate (DBP)  
4,4'-diaminodiphenylmethane  
triethyl arsenate  
Sulfurous acid, lead salt, dibasic  
Acetic acid, lead salt, basic  
cadmium hydroxide  
Lead titanium zirconium oxide  
dioxobis(stearato)trilead  
tetralead trioxide sulphate  
Trilead-dioxide-phosphonate  
pentalead tetraoxide sulphate  
lead oxide sulfate  
Silicic acid, lead salt  
cadmium chloride  
lead dinitrate  
pyrochlore, antimony  
lead yellow  
Cadmium-fluoride  
cadmium  
lead

$\alpha,\alpha$ #Bis[4-(dimethylamino)phenyl]-4  
(phenylamino)  
[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  
4,4'-  
bis(dimethylamino)-4''-  
(methylamino)trityl  
[4-[4,4'-  
bis(dimethylamino)  
benzhydrylidene]cycl  
cadmium carbonate  
1,2-dimethoxyethane  
4,4'-  
bis(dimethylamino)benzophenone  
dichromium  
tris(chromate)  
phenolphthalein  
lead diazide  
bis(2-methoxyethyl)  
phthalate  
Formaldehyde,  
polymer with  
benzenamine

**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**

[5566 Series](#)

**Mates With**

[5557 Mini-Fit Jr. Receptacle Housing, Mini-Fit TPA2 Receptacle Housing](#) [172708](#)

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