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Part Number: [0460101022](#)
Status: **Active**
Overview: [Mini-Fit Plus Connector System](#)
Description: Mini-Fit Plus PCB Receptacle, 4.20mm Pitch, Dual Row, Vertical, Blind Mating, 10 Circuits, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6, UL 94V-0, Select Gold (Au) Over Nickel (Ni) Plating

Documents:

Drawing (PDF)	Packaging Specification PK-42385-999-001 (PDF)
3D Model	Test Summary 423850000-TS-000 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-45750-001-001 (PDF)	

Agency Certification

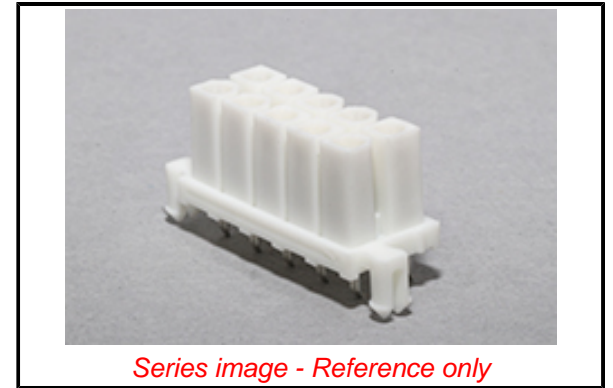
UL E29179

General

Product Family	PCB Receptacles
Series	46010
Application	Board-to-Board, Power
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire. . See Molex product specification for additional current de-rating information.
Overview	Mini-Fit Plus Connector System
Product Name	Mini-Fit Plus
UPC	883906716912

Physical

Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	2.149/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	1.80mm
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

China RoHS

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	13.0A
Grounding to PCB	Yes
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	235
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-42385-999-001
Product Specification	PS-45750-001-001
Sales Drawing	SD-46010-001-000
Test Summary	423850000-TS-000

2-methoxyethyl
 acetate
 furan
 ethylenediamine
 1-bromopropane
 nitrobenzene
 4-tert-butylphenol
 4-o-tolylazo-o-
 toluidine
 ethylene thiourea
 4-methyl-m-
 phenylenediamine
 o-toluidine
 butyl 4-
 hydroxybenzoate
 dinoseb (ISO)
 phenanthrene
 dihexyl phthalate
 (DnHP)
 p-(1,1-
 dimethylpropyl)phenol
 N-methylacetamide
 dimethyl sulphate
 propylene oxide
 diethyl sulphate
 4-aminoazobenzene
 benzo[a]pyrene
 1,7,7-trimethyl-3-
 (phenylmethylene)bicyclo[2.2.1
 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
 Sodium perborate;
 perboric acid, sodium
 salt
 Methylhexahydrophthalic
 anhydride
 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
 Pyrene
 Fluoranthene

Tris(4-nonylphenyl,
branched and linear)
phosphi
2,3,3,3-tetrafluoro-2-
(heptafluoropropoxy)propio
Nonadecafluorodecanoic
acid (PFDA) and its
sodi
4-Heptylphenol,
branched and linear
4-Nonylphenol,
branched and linear,
ethoxylated
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
Trixylyl phosphate
4-Nonylphenol,
branched and linear
[substances w
Acids generated from
chromium trioxide and
their
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Aluminosilicate
Refractory Ceramic
Fibres
4,4'-Oxydianiline and
its salts
Boric acid
Disodium tetraborate
Hydrazine
1,3-BENZENEDIOL,
TRINITRO-, LEAD
SALT
n-pentyl-
isopentylphthalate
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
2-benzyl-2-
dimethylamino-4-
morpholinobutyropheno
4,4-
isobutylethylidenediphenol
2-methyl-1-(4-
methylthiophenyl)-2-
morpholinoprop
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
pentacosafuorotridecanoic
acid
diisohexyl phthalate
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
2-(2H-benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b

dibutylbis(pentane-2,4-
dionato-O,O')tin
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
1,3,5-tris-[(2S
and 2R)-2,3-
epoxypropyl]-1,3,5-t
bis(2-methoxyethyl)
phthalate
Formaldehyde,
polymer with
benzenamine
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
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
Acetic acid, cobalt(2+)
salt
Carbonic acid,
cobalt(2+) salt (1:1)
2-ethoxyethanol
trichloroethylene
Boric acid, disodium
salt, hydrate
sodium chromate
potassium dichromate
potassium chromate
ammonium
dichromate
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
Anthracene oil,
anthracene paste,
distn. lights;
Anthracene oil,
anthracene paste,
anthracene fra
Anthracene oil,
anthracene paste;
Anthracene Oil
Anthracene oil;
Anthracene oil
2,4-dinitrotoluene
lead hydrogen
arsenate
4,4'-
diaminodiphenylmethane
triethyl arsenate
lead diazide
lead(II)
methanesulphonate
Fatty acids, C16-18,
lead salts
[phthalato(2-)]dioxotrilead
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
Sulfurous acid, lead
salt, dibasic
Acetic acid, lead salt,
basic
lead cyanamidate
Borate(1-),
tetrafluoro-, lead (2+)
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
cadmium chloride
lead dinitrate
pyrochlore, antimony
lead yellow
Cadmium-fluoride
cadmium
 α,α #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
lead di(acetate)
1,2-bis(2-
methoxyethoxy)ethane
1,2-dimethoxyethane
N,N,N',N'-
tetramethyl-4,4'-
methylenedianiline
4,4'-
bis(dimethylamino)benzophenone
tetraethyllead
formamide
2,2'-dichloro-4,4'-
methylenedianiline
dichromium
tris(chromate)
phenolphthalein

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

[46010 Series](#)

Mates With

[42404 Mini-Fit BMI Right Angle Header](#),
[46011 Mini-Fit Plus Vertical Header](#), [42475 Mini-Fit BMI Plug Housing](#)

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