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Part Number:

0874270602

Status:

Active

Overview:

Mini-Fit Jr.™ Power Connectors

Description:

Mini-Fit® Jr. Header, 4.20mm Pitch, Right Angle, without Flange, 6 Circuits, Tin (Sn) over Nickel (Ni) Plating

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45750-001 (PDF)

Product Specification PS-87427-0001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

PCB Headers

87427

Power, Wire-to-Board

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 PS-45750-001 for additional current de-rating information.

Overview

Product Name

UPC

Mini-Fit Jr.™ Power Connectors

Mini-Fit Jr.™

800753967380

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Net Weight

Number of Rows

Orientation

PC Tail Length

PCB Locator

PCB Retention

PCB Thickness - Recommended

Packaging Type

Pitch - Mating Interface

Pitch - Termination Interface

Plating min - Mating

Plating min - Termination

Polarized to Mating Part

Polarized to PCB

Shrouded

No

6

6

Beige

30

No

94V-0

No

Yes

Brass

Tin

Tin

Nylon

2.780/g

2

Right Angle

3.30mm

No

None

1.60mm

Tray

4.20mm

4.20mm

2.540µm

2.540µm

Yes

No

Fully



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Yes -ED/39/2015 (15 June 2015)
4-aminoazobenzene
diethyl sulphate
propylene oxide
dimethyl sulphate
Acetamide, N-methyl-
dinoseb (ISO)
o-toluidine
4-methyl-m-
phenylenediamine
Imidazolidine-2-thione
4-o-tolylazo-o-
toluidine
furan
6-methoxy-m-toluidine
C,C'-
azodi(formamide)
tricosaf fluorododecanoic
acid
heptacosaf fluorotetradecanoic
acid
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
methoxyacetic acid
1,2-diethoxyethane
4,4'-methylenedi-o-
toluidine
henicosaf fluoroundecanoic
acid
sodium
peroxometaborate
pentacosaf fluorotridecanoic
acid
1,2-
benzenedicarboxylic

China RoHS

Stackable
Surface Mount Compatible (SMC)
Temperature Range - Operating
Termination Interface: Style

No
No
-40°C to +105°C
Through Hole

Electrical

Current - Maximum per Contact
Voltage - Maximum

13.0A
600V

Solder Process Data

Duration at Max. Process Temperature (seconds)
Lead-freeProcess Capability
Max. Cycles at Max. Process Temperature
Process Temperature max. C

005
WAVE
001
260

Material Info

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-45750-001, PS-87427-0001
SD-87427-**0*

acid, dipentylester,
bra
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
n-pentyl-
isopentylphthalate
Disodium tetraborate
Boric acid
4,4'-oxydianiline and
its salts
4-Nonylphenol,
branched and linear
[substances w
Trixylyl phosphate
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
hexahydro-2-
benzofuran-1,3-dione
Methylhexahydrophthalic
anhydride
Sodium perborate;
perboric acid, sodium
salt
#,#-Bis[4-
(dimethylamino)phenyl]-4
(phenylamino)
Tetraethyllead
Lead(II,IV)-oxide
Trilead bis(carbonate)
dihydroxide
Lead Oxide
pyrochlore, antimony
lead yellow
Lead-dinitrate
Silicic acid, lead salt
Lead oxide sulfate
(Pb2O(SO4))
Lead-titanium-trioxide
Pentalead-tetraoxide-
sulphate
Trilead-dioxide-
phosphonate
Tetralead-trioxide-
sulphate
Dioxobis(stearato)trilead
Lead titanium
zirconium oxide
Borate(1-),
tetrafluoro-, lead (2+)
Cyanamide, lead(2+)
salt (1:1)
Acetic Acid, Lead
Salt, Basic
Diboron-trioxide
4,4'-
bis(dimethylamino)-4"-
(methylamino)trityl
1,2-bis(2-
methoxyethoxy)ethane
N,N,N',N'-
tetramethyl-4,4'-
methylenedianiline

4,4'-
bis(dimethylamino)benzophenone
formamide
phenolphthalein
N,N-
dimethylacetamide
Boric acid, disodium
salt, hydrate
4,4'-
Methylenedianiline
Dibutyltin-dichloride
1-bromopropane
Decabromodiphenylether
Fatty Acids, C16-18,
Lead Salts
[Phthalato(2-)]dioxotrilead
Silicic acid (H2Si2O5),
barium salt (1:1),
lead-
Sulfurous Acid, Lead
Salt, Dibasic
Halogen-Free
Status
Not Low-Halogen
**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS Green Image
ELV Not Relevant

Search Parts in this Series
[87427](#) Series

Mates With
[5557](#) Mini-Fit Jr.™ Receptacle Housing