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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](#) [Product Specification PS-87427-0001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-45750-001-001 \(PDF\)](#)

Agency Certification

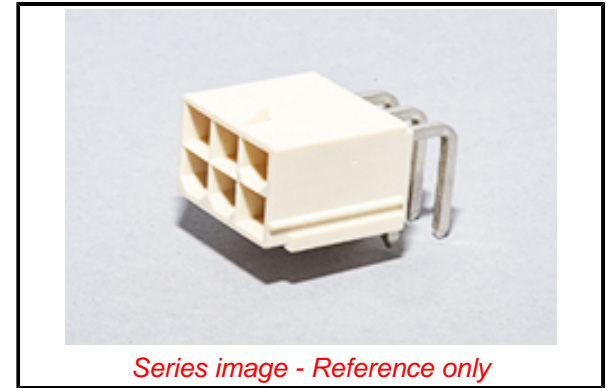
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [87427](#)
 Application Power, Wire-to-Board
 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 PS-45750-001 for additional current de-rating information.
 Overview [Mini-Fit Jr. Power Connectors](#)
 Product Name Mini-Fit Jr.
 UPC 800753967380

Physical

Breakaway No
 Circuits (Loaded) 6
 Circuits (maximum) 6
 Color - Resin Beige
 Durability (mating cycles max) 30
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Capable No
 Lock to Mating Part Yes
 Material - Metal Brass
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Material - Resin Nylon
 Net Weight 2.780/g
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length 3.30mm
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 1.60mm
 Packaging Type Tray
 Pitch - Mating Interface 4.20mm
 Pitch - Termination Interface 4.20mm
 Plating min - Mating 2.540µm
 Plating min - Termination 2.540µm
 Polarized to Mating Part Yes
 Polarized to PCB No
 Shrouded Fully



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
 D(2020)4578-DC (25 June 2020)
 diisohexyl phthalate
 1,2-Benzenedicarboxylic acid, dihexyl ester, bra
 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,
 ammoniumpentadecafluorooctanoate
 1,3-propanesultone
 dibutyltin dichloride
 1,2-diethoxyethane
 diisopentylphthalate
 disodium 3,3'-[[1,1'-biphenyl]-4,4'-
 diylbis(azo)
 decamethylcyclopentasiloxane
 perfluorooctanoic acid
 Perfluorohexane-1-sulphonic acid and its salts
 reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioct
 Methylhexahydrophthalic anhydride
 Perfluorononan-1-oic acid
 (2,2,3,3,4,4,5,5,6,6,7 Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o

China RoHS

Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -40° to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 13.0A
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

Reference - Drawing Numbers

Product Specification PS-45750-001-001, PS-87427-0001-001
Sales Drawing 874270000-SD-000

Pyrene
Perfluorobutane
sulfonic acid (PFBS)
and its sal
Tris(4-nonylphenyl,
branched and linear)
phosphi
Nonadecafluorodecanoic
acid (PFDA) and its
sodi
Boric acid
n-pentyl-
isopentylphthalate
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
diisohexyl phthalate
lead dinitrate
cadmium
lead
orange lead
cadmium sulphide
cadmium oxide (non-
pyrophoric)
bis(pentabromophenyl)
ether
1,2-bis(2-
methoxyethoxy)ethane
1,2-dimethoxyethane
pentazinc chromate
octahydroxide
bis(2-methoxyethyl)
ether
strontium chromate
Lead sulfochromate
yellow
di-n-pentyl phthalate
(DPP)
ethylene thiourea
dihexyl phthalate
(DnHP)
4-aminoazobenzene
benzo[a]pyrene
[phthalato(2-)]dioxotrilead
Sulfurous acid, lead
salt, dibasic
lead cyanamidate
Lead titanium
zirconium oxide
dioxobis(stearato)trilead
pentalead tetraoxide
sulphate
lead oxide sulfate
lead dinitrate

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

87427 Series

Mates With

Mini-Fit Jr. Receptacle Housing 5557

Mini-Fit Jr. Cable Assembly 245135

Mini-Fit TPA2 Receptacle Housing
172708

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