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**Part Number:** **0428195213**  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Vertical, 1.57mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 5 Circuits

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-42815-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-42819-2375-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

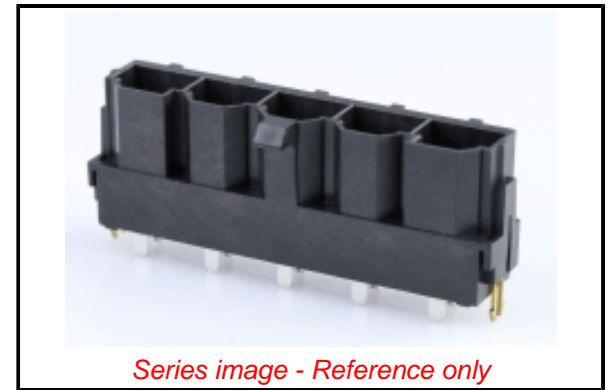
CSA	LR19980
TUV	R72081037
UL	E29179

**General**

Product Family	PCB Headers
Series	<u>42819</u>
Application	Power, Wire-to-Board
Overview	<u>Mini-Fit Sr. Power Connectors</u>
Product Name	Mini-Fit Sr.
UPC	800756513522

**Physical**

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
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	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	11.558/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
Pitch - Mating Interface	10.00mm
Pitch - Termination Interface	10.00mm
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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2021)4569-DC (8  
July 2021)  
Benzo(ghi)perylene  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-  
pen  
Dodecamethylcyclhexasiloxane  
Decamethylcyclpentasiloxane  
Octamethylcycltetrasiloxane  
Disodium 3,3'-[[1,1'-  
Biphenyl]-4,4'-  
Diylbis(Azo)  
1,2-  
Benzenedicarboxylic  
acid, bis(3-  
methylbutyl)  
1,2-diethoxyethane  
Dibutyltin-dichloride  
C.I. Direct Black 38  
Ammonium-  
pentadecafluorooctanoate  
Phenol, 2-(2H-  
benzotriazol-2-yl)-4,6-  
bis(1,1-dim  
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)-4,6-  
ditertpentylphenol  
2-(2H-Benzotriazol-2-  
yl)-4-(tert-butyl)-6-  
(sec-b  
1,2-  
Benzenedicarboxylic

**China RoHS**

Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
<b>Electrical</b>	
Current - Maximum per Contact	50.0A
Voltage - Maximum	600V
<b>Solder Process Data</b>	
Duration at Max. Process Temperature (seconds)	030
Lead-free Process Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	235
<b>Material Info</b>	
<b>Reference - Drawing Numbers</b>	
Packaging Specification	PK-42819-2375-001
Product Specification	PS-42815-001-001
Sales Drawing	SDA-42819-0002-001

acid, dihexyl ester, bra  
diisohexyl phthalate  
1,2-  
Benzenedicarboxylic acid, dipentyl ester, br  
Zirconia  
Aluminosilicate  
Refractory Ceramic  
Fibr  
Nonadecafluorodecanoic acid (PFDA) and its sodiu  
Tris(4-nonylphenyl, branched and linear) phosphi  
Perfluorobutane sulfonic acid (PFBS) and its sal  
Fluoranthene  
Pyrene  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
Diocetyl tin dilaurate, stannane, dioctyl-, bis(co  
Perfluorononan-1-oic acid  
(2,2,3,3,4,4,5,5,6,6,7 Perfluorohexane-1-sulphonic acid and its salts  
Dipentyl phthalate  
Cobalt-dichloride  
Alkanes, C10-13, chloro  
Bis(tributyltin) oxide  
Lead chromate  
Lead chromate molybdate sulfate red  
Tris(2-chloroethyl) phosphate  
bis(2-methoxyethyl) ether  
1,2-Dimethoxyethane  
1,2-bis(2-methoxyethoxy)ethane  
Decabromodiphenylether  
Diboron-trioxide  
Cadmium-oxide  
Lead(II,IV)-oxide  
Lead  
Cadmium  
Lead-dinitrate  
Lead-titanium-trioxide  
Pentalead-tetraoxide-sulphate  
Tetralead-trioxide-sulphate  
Dioxobis(stearato)trilead  
Lead titanium zirconium oxide  
Cyanamide, lead(2+) salt (1:1)  
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  
4-aminoazobenzene  
N,N-  
Dimethylformamide  
Phenanthrene  
Imidazolidine-2-thione

**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**

[42819](#) Series

**Mates With**

Mini-Fit Sr. Receptacle Housing with TPA  
[42816](#)

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