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Part Number: [0428196222](#)
Status: **Active**
Overview: [Mini-Fit Sr. Power Connectors](#)
Description: 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Vertical, 2.36mm PCB Thickness, Tin (Sn) Plating, 6 Circuits, USE NYE LUBE ON MATING SURFACES
Replacement Part Number : <http://www.molex.com/molex/search/partSearch?pQuery=&sType=p&query=0428196223428196223> (Gold)

Documents:
[Drawing \(PDF\)](#) [Application Specification AS-42815-001-001 \(PDF\)](#)
[Product Specification PS-42815-001-001 \(PDF\)](#) [Packaging Specification PK-42819-2375-001 \(PDF\)](#)
[Product Specification TS-42815-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42819
Application	Power, Wire-to-Board
Comments	WHEN USING OVERALL TIN PLATED TERMINALS: FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING, MOLEX STRONGLY RECOMMENDS THE USE OF NYE LUBRICANT (NYOGEL 7600) ON THE MATING SURFACES OF THE TERMINAL. .
Overview	Mini-Fit Sr. Power Connectors
Product Name	Mini-Fit Sr.
Replacement Part Number	428196223 (Gold)
Replacement Part Number	428196224 (Silver)
Taxonomy	PCB Headers and Receptacles
UPC	800754382892

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	30
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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	14.104/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	5.10mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.36mm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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](#)

Packaging Type	Tray
Pitch - Mating Interface	10.00mm
Pitch - Termination Interface	10.00mm
Plating min - Mating	2.540μm
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	50.0A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	030
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	235

Material Info

Reference - Drawing Numbers

Application Specification	AS-42815-001-001
Packaging Specification	PK-42819-2375-001
Product Specification	PS-42815-001-001, TS-42815-001-001
Sales Drawing	SDA-42819-0002-001

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