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Part Number: [0428203222](#)
Status: **Active**
Overview: Mini-Fit Sr. Power Connectors
Description: 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 2.36mm PCB Thickness, Tin (Sn) Plating, 3 Circuits, USE NYE LUBE ON MATING SURFACES
Replacement Part Number : <http://www.molex.com/molex/search/partSearch?pQuery=&sType=p&query=0428203223428203223> (Gold)

Documents:

Drawing (PDF)	Application Specification AS-42815-001-001 (PDF)
Product Specification PS-42815-001-001 (PDF)	Packaging Specification PK-42820-910-001 (PDF)
Product Specification TS-42815-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL E29179

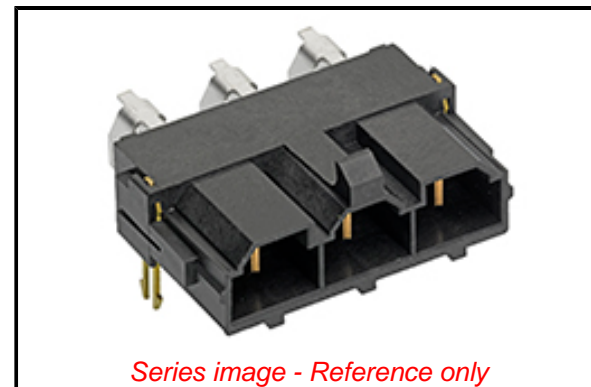
General

Product Family PCB Headers
 Series [42820](#)
 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 [428203223](#) (Gold)
 Replacement Part Number [428203224](#) (Silver)
 UPC 800754383011

Physical

Breakaway No
 Circuits (Loaded) 3
 Circuits (maximum) 3
 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 9.779/g
 Number of Rows 1
 Orientation Right Angle
 PC Tail Length 5.10mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 2.36mm
 Packaging Type Tube
 Pitch - Mating Interface 10.00mm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - D(2021)4569-DC (8 July 2021)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[42820 Series](#)

Mates With

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

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-free Process 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-42820-910-001
Product Specification	PS-42815-001-001, TS-42815-001-001
Sales Drawing	SDA-42820-0002-001

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