molex
one company > a world of innovation

This document was generated on 07/31/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0428205214
Status: Active
Overview: Mini-Fit Sr. Power Connectors
Description: 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 1.57mm PCB Thickness, Silver (Ag) Plating, 5 Circuits



Series image - Reference only

Documents:

3D Model (PDF)
3D Model
Drawing (PDF)
Product Specification PS-42815-001-001 (PDF)
Test Summary TS-42815-004-001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42820
Application	Power, Wire-to-Board
Overview	Mini-Fit Sr. Power Connectors
Product Name	Mini-Fit Sr.
UPC	889056247030

Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
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	Silver
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	15.307/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tube
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

EU ELV
Not Relevant

EU RoHS | **China RoHS**
Compliant

REACH SVHC
Not Contained Per - D(2020)4578-DC (25 June 2020)

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
42820 Series

Mates With
Mini-Fit Sr. Receptacle Housing with TPA
42816

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	
Product Specification	PS-42815-001-001
Sales Drawing	SDA-42820-0002-001
Test Summary	TS-42815-004-001

This document was generated on 07/31/2020
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION