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Part Number:

0428205212

Status:

Active

Overview:

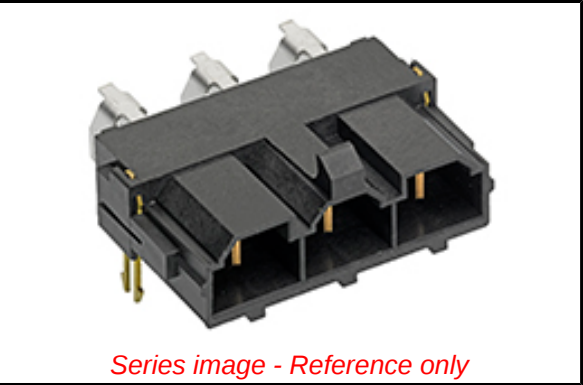
Mini-Fit Sr. Power Connectors

Description:

10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 1.57mm PCB Thickness, Tin (Sn) Plating, 5 Circuits, USE NYE LUBE ON MATING SURFACES

Replacement Part Number :

http://www.molex.com/molex/search/partSearch?pQuery=&sType=p&query=0428205213428205213 (Gold)



Documents:	
Drawing (PDF)	Packaging Specification PK-42820-910-001 (PDF)
Product Specification PS-42815-001-001 (PDF)	Test Summary TS-42815-001 (PDF)
Product Specification TS-42815-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-42815-001 (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	428205213 (Gold)
Replacement Part Number	428205214 (Silver)
UPC	800754383066
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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	15.233/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

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - D(2020)9139-DC (19 January 20	
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

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
Packaging Specification	PK-42820-910-001
Product Specification	PS-42815-001-001, TS-42815-001-001
Sales Drawing	SDA-42820-0002-001
Test Summary	TS-42815-001

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