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Part Number:

0428203243

Status:

Active

Overview:

Mini-Fit Sr. Power Connectors

Description:

10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 6.35mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 3 Circuits

Documents:

3D Model

3D Model (PDF)

Drawing (PDF)

Product Specification PS-42815-001-001 (PDF)

Packaging Specification PK-42820-910-001 (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	800756513966	
Physical		
Breakaway	No	
Circuits (Loaded)	3	
Circuits (maximum)	3	
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	10.311/g	
Number of Rows	1	
Orientation	Right Angle	
PC Tail Length	8.30mm	
PCB Locator	Yes	
PCB Retention	Yes	
PCB Thickness - Recommended	6.35mm	
Packaging Type	Tube	
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	
Temperature Range - Operating	-40° to +105°C	



Series image - Reference only

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per -	
ECHA_01_2020 (16	
January 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	
Packaging Specification	PK-42820-910-001
Product Specification	PS-42815-001-001
Sales Drawing	SDA-42820-0002-001

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