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Part Number:

0440680089

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit BMI, 260C Wave Solderable, 4.20mm Pitch, Dual Row, Vertical, for 1.60mm PCB, 4 Circuits, Tin (Sn) Plating, with Solderable Retention Clip

Documents:	
3D Model (PDF)	Product Specification PS-45750-001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-43879-001-000 (PDF)
3D Model	Test Summary TS-43879-001-001 (PDF)
Product Specification PS-43810-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Headers
Series	44068
Application	Board-to-Board, Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire. See Molex product specification PS-45750-001 for additional current de-rating information.
Component Type	PCB Header
Overview	Mini-Fit Family Power Connectors
Product Name	Mini-Fit BMI
Taxonomy	PCB Headers and Receptacles
UPC	800755951080

Physical	
Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	No
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.183/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	4.88mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	3.20mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to PCB	Yes
Shrouded	Partial



Series image - Reference only

EU ELV	
Not Relevant	
EU RoHS	China 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
44068 Series

Mates With
42385 , 42474 , 44475 , 44516 , 5557 Dual Row, 245135 Mini-Fit Jr. Cable Assembly

Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	13.0A
Voltage - Maximum	600V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	005
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-43879-001-000
Product Specification	PS-43810-001-001, PS-45750-001-001
Sales Drawing	SD-44068-031-000
Test Summary	TS-43879-001-001

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