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Part Number:

0440680050

Status:

Active

Overview:

Mini-Fit BMI Connectors

Description:

Mini-Fit BMI, 260C Wave Solderable, 4.20mm Pitch, Dual Row, Vertical, for 1.60mm PCB, 14 Circuits, Tin (Sn) Plating, with Solderable Retention Clip

Documents:

3D Model

Drawing (PDF)

Product Specification PS-43810-001-001 (PDF)

Product Specification PS-45750-001-001 (PDF)

Packaging Specification PK-43879-001-000 (PDF)

Test Summary TS-43879-001-001 (PDF)

RoHS Certificate of Compliance (PDF)



Series image - Reference only

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Headers
Series	44068
3D Viewer	Yes
Application	Board-to-Board, Power, Wire-to-Board
CURRENT-MAX-NUMERIC	13.0
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.
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Overview	Mini-Fit BMI Connectors
PITCH-MATING-NUMERIC	4.20
Product Name	Mini-Fit BMI
UPC	800756049557
Physical	
Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
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	6.882/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	4.42mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.40mm
Packaging Type	Tray

EU ELV	
Not Relevant	
EU RoHS	
Compliant	
China RoHS	
REACH SVHC	
Not Contained Per -ED/88/2018 (15 January 2019)	
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

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
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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