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Part Number: [0440680039](#)
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, 14 Circuits, Gold (Au) Plating, without Solderable Retention Clip

Documents:

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

Agency Certification

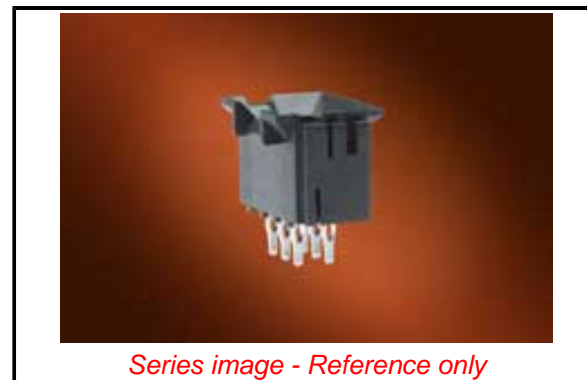
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

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. |
| Overview | Mini-Fit Family Power Connectors |
| Product Name | Mini-Fit BMI |
| UPC | 800756049564 |

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 | Gold |
| Material - Plating Termination | Gold |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 6.322/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 3.30mm |
| PCB Locator | Yes |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 0.762µm |
| Polarized to PCB | Yes |
| Shrouded | Partial |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - D(2021)4569-DC (8 July 2021)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[44068](#) Series

Mates With

[42385](#) , [42474](#) , [44475](#) , [44516](#) , [5557](#) Dual Row

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-free Process Capability WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 260

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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