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Part Number:

0440680107

Status:

Active

Overview:

Mini-Fit BMI Connectors

Description:

Mini-Fit BMI, 260C Wave Solderable, 4.20mm Pitch, Dual Row, Vertical, for 1.60mm PCB, 18 Circuits, Gold (Au) 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. |
| 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 BMI Connectors                                                                                                                                                                                                                    |
| PITCH-MATING-NUMERIC           | 4.20                                                                                                                                                                                                                                       |
| Product Name                   | Mini-Fit BMI                                                                                                                                                                                                                               |
| UPC                            | 800753305465                                                                                                                                                                                                                               |
| Physical                       |                                                                                                                                                                                                                                            |
| Breakaway                      | No                                                                                                                                                                                                                                         |
| Circuits (Loaded)              | 18                                                                                                                                                                                                                                         |
| Circuits (maximum)             | 18                                                                                                                                                                                                                                         |
| 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                     | 8.240/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                                                                                                                                                                                                                                       |

|                                               |               |
|-----------------------------------------------|---------------|
| EU ELV                                        |               |
| Not Relevant                                  |               |
| EU RoHS                                       | China RoHS    |
| Compliant                                     |               |
| REACH SVHC                                    |               |
| Not Contained Per - ED/71/2019 (16 July 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           | 0.762μm        |
| Plating min - Termination      | 0.762μm        |
| 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                     | 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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