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Part Number:

44068-0055

Status:

Active

Overview:

Mini-Fit® Blind Mate Interface (BMI) Connectors

Description:

Mini-Fit® BMI, 260C Wave Solderable, 4.20mm Pitch, Dual Row, Vertical, for 1.60mm PCB, 24 Circuits, Tin (Sn) Plating, with Solderable Retention Clip



image - Reference onlySeries

- Documents:
- 3D Model

Test Summary TS-43810-001 (PDF)
- Drawing (PDF)

Test Summary TS-43879-001 (PDF)
- Product Specification PS-43810-001 (PDF)

RoHS Certificate of Compliance (PDF)
- Product Specification PS-45750-001 (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. |
| Overview             | Mini-Fit® Blind Mate Interface (BMI) Connectors                                                                                                                                                                                             |
| Product Name         | Mini-Fit® BMI                                                                                                                                                                                                                               |
| UPC                  | 800753962859                                                                                                                                                                                                                                |

| Physical                       |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 24                             |
| Circuits (maximum)             | 24                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 10.776/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                           |
| 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                             |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Not Low-Halogen

China RoHS

Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

44068Series

Mates With

42385 , 42474 , 44475 , 44516 , 5557 Dual Row

|                                |                 |
|--------------------------------|-----------------|
| Surface Mount Compatible (SMC) | Yes             |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 13A  |
| Voltage - Maximum             | 600V |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 260                    |

**Material Info**

**Reference - Drawing Numbers**

|                       |                            |
|-----------------------|----------------------------|
| Product Specification | PS-43810-001, PS-45750-001 |
| Sales Drawing         | SD-44068-031               |
| Test Summary          | TS-43810-001, TS-43879-001 |

This document was generated on 08/26/2014

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