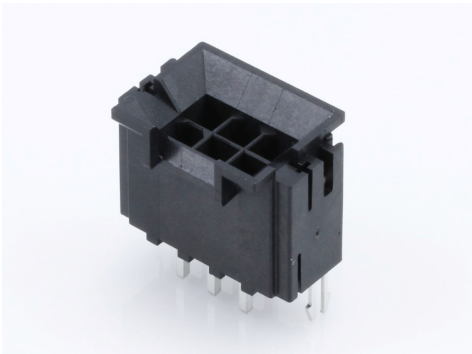




**Part Number :** [440680057](#)  
**Product Description :** Mini-Fit BMI, 260C Wave Solderable, 4.20mm Pitch, Dual Row, Vertical, for 1.60mm PCB, 6 Circuits, Gold (Au) Plating, with Solderable Retention Clip  
**Series Number :** 44068  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

**Drawings**  
[440680057\\_sd.pdf](#)  
[PK-43879-001-000.pdf](#)

**3D Models and Design Files**  
[440680057\\_stp.zip](#)

**Specifications**  
[PS-43810-001-001.pdf](#)  
[PS-45750-001-001.pdf](#)  
[TS-43879-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                    |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)                                        |
| EU RoHS            | Compliant per EU 2015/863                                                             |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                                                                                                                           |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                                                                    |
| Category       | PCB Headers and Receptacles                                                                                                                                                                                                               |
| Series         | 44068                                                                                                                                                                                                                                     |
| Description    | Mini-Fit BMI, 260C Wave Solderable, 4.20mm Pitch, Dual Row, Vertical, for 1.60mm PCB, 6 Circuits, Gold (Au) Plating, with Solderable Retention Clip                                                                                       |
| 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                                                                                                                                                                                                                                |
| Product Name   | Mini-Fit BMI                                                                                                                                                                                                                              |
| UPC            | 800755952421                                                                                                                                                                                                                              |

#### Agency

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

#### Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum             | 600V  |

#### Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 6                              |
| Circuits (maximum)             | 6                              |
| 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                     | 3.827/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tray                           |
| PC Tail Length                 | 4.42mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 2.40mm                         |
| 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                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface Style    | Through Hole                   |

## Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 5    |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 260  |

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## Mates With / Use With

### Mates with Part(s)

| Description                                       | Part Number  |
|---------------------------------------------------|--------------|
| Mini-Fit BMI Vertical Dual Row Receptacle Headers | <u>42385</u> |
| Mini-Fit BMI Dual Row Receptacle Housings         | <u>42474</u> |
| Mini-Fit HCS Vertical Dual Row PCB Receptacles    | <u>44475</u> |
| Mini-Fit BMI Dual Row Receptacle Housings         | <u>44516</u> |
| Mini-Fit Jr. Receptacle Housings                  | <u>5557</u>  |