



**Part Number :** [440680269](#)  
**Product Description :** Mini-Fit BMI Header, 4.20mm Pitch, Dual Row, Vertical, 10 Circuits, 6.35mm PCB Thickness, Tin (Sn) Plating, with Retention Clip  
**Series Number :** 44068  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

[440680269 sd.pdf](#)  
[PK-43879-002-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[PS-43810-001-001.pdf](#)  
[PS-45750-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                            |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                                      |
| REACH SVHC         | Not Contained per D(2025)7771-DC (04 Feb 2026)                                                          |
| EU RoHS            | Compliant per EU 2015/863                                                                               |

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

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

### Substances of Interest

- PFAS

### EU RoHS Certificate of Compliance

### Additional Product Compliance Information

---

## Part Details

### General

|                |                                                                                                                                                                                                                                           |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                                                                    |
| Category       | PCB Headers and Receptacles                                                                                                                                                                                                               |
| Series         | 44068                                                                                                                                                                                                                                     |
| Description    | Mini-Fit BMI Header, 4.20mm Pitch, Dual Row, Vertical, 10 Circuits, 6.35mm PCB Thickness, Tin (Sn) Plating, with Retention Clip                                                                                                           |
| Application    | Board-to-Board, 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            | 822350852197                                                                                                                                                                                                                              |

## Agency

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

## Electrical

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

## Physical

|                                |          |
|--------------------------------|----------|
| Breakaway                      | No       |
| Circuits (Loaded)              | 10       |
| Circuits (maximum)             | 10       |
| Color - Resin                  | Black    |
| Durability (mating cycles max) | 30       |
| First Mate / Last Break        | No       |
| Gender                         | Male     |
| Glow-Wire Capable              | No       |
| Guide to Mating Part           | Yes      |
| Keying to Mating Part          | No       |
| Lock to Mating Part            | Yes      |
| Material - Metal               | Brass    |
| Material - Plating Mating      | Tin      |
| Material - Plating Termination | Tin      |
| Material - Resin               | Nylon    |
| Net Weight                     | 5.883/g  |
| Number of Rows                 | 2        |
| Orientation                    | Vertical |
| Packaging Type                 | Tray     |
| PCB Locator                    | No       |
| PCB Retention                  | Yes      |
| PCB Thickness - Recommended    | 6.35mm   |
| PC Tail Length                 | 8.50mm   |
| Pitch - Mating Interface       | 4.20mm   |
| Pitch - Termination Interface  | 4.20mm   |
| Plating min - Mating           | 2.540µm  |
| Plating min - Termination      | 2.540µm  |

|                               |                |
|-------------------------------|----------------|
| Polarized to Mating Part      | Yes            |
| Polarized to PCB              | Yes            |
| Shrouded                      | Shrouded       |
| 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                     | 240  |

---

## Mates With / Use With

### Mates with Part(s)

| Description                                                                                                                                                      | Part Number                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row with Panel Mount Ears, Nylon, UL 94V-0, 10 Circuits                                                      | <u><a href="#">15060101</a></u> |
| Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, Brass Terminal, Matte Tin (Sn) Plating, Nylon UL 94V-0, 10 Circuits | <u><a href="#">15247101</a></u> |
| Mini-Fit Jr. Receptacle Housing, Dual Row, 10 Circuits, UL 94V-0, Natural                                                                                        | <u><a href="#">39012105</a></u> |
| Mini-Fit Jr.-to-Mini-Fit Jr. Off-the-Shelf (OTS) Overmolded Cable Assemblies                                                                                     | <u><a href="#">245135</a></u>   |

---

This document was generated on May 20, 2026