

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0353181020](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Family Power Connectors](#)  
**Description:** 4.20mm Pitch Mini-Fit Header, Dual Row, Right-Angle, 10 Circuits, PA Polyamide (Nylon) 6/6 94V-2, White

**Documents:**

|                                |  |
|--------------------------------|--|
| <a href="#">Drawing (PDF)</a>  | <a href="#">Product Specification PS-35317-001-001 (PDF)</a>   |
| <a href="#">3D Model</a>       | <a href="#">Packaging Specification PK-35318-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

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

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">35318</a>  |
| Application    | Power, Wire-to-Board   |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> 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     | <a href="#">Mini-Fit Family Power Connectors</a> |
| Product Name | Mini-Fit   |
| Taxonomy     | PCB Headers and Receptacles                      |
| UPC          | 800754377003                                     |

**Physical**

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 10          |
| Circuits (maximum)             | 10          |
| Color - Resin                  | Natural     |
| Durability (mating cycles max) | 30          |
| First Mate / Last Break        | No          |
| Flammability                   | 94V-2       |
| Glow-Wire Capable              | No          |
| Guide to Mating Part           | No          |
| Keying to Mating Part          | None        |
| Lock to Mating Part            | Yes         |
| Material - Plating Mating      | Tin         |
| Material - Plating Termination | Tin         |
| Material - Resin               | Nylon       |
| Net Weight                     | 3.473/g     |
| Number of Rows                 | 2           |
| Orientation                    | Right Angle |
| PC Tail Length                 | 4.00mm      |
| PCB Locator                    | No          |
| PCB Retention                  | None        |
| PCB Thickness - Recommended    | 1.60mm      |
| Packaging Type                 | Bag         |
| Pitch - Mating Interface       | 4.20mm      |
| Plating min - Mating           | 5.080µm     |
| Plating min - Termination      | 5.080µm     |
| Polarized to PCB               | No          |
| Shrouded                       | Partial     |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**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**

[35318](#) Series

**Mates With**

[5557](#) Mini-Fit Jr. Receptacle Housing, Mini-Fit TPA2 Receptacle Housing [172708](#)

|                                |                |
|--------------------------------|----------------|
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum             | 250V  |

**Material Info****Reference - Drawing Numbers**

|                         |                   |
|-------------------------|-------------------|
| Packaging Specification | PK-35318-001-001  |
| Product Specification   | PS-35317-001-001  |
| Sales Drawing           | SD-35318-XXXX-001 |

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