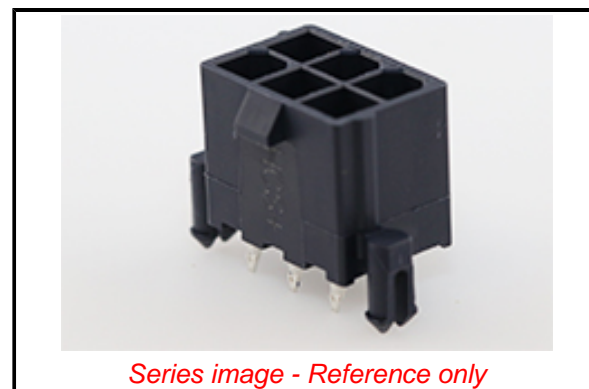


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1726750613](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Family Power Connectors](#)  
**Description:** Mini-Fit Plus HCS Header, Dual Row, Vertical, 6 Circuits, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6, UL 94V-2, Glow-Wire Capable, Tin (Sn) Plating

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification PK-5566-001-001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Test Summary TS-5566-002-001 (PDF)</a>              |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Symbol Footprint Data SYM-172675-0613-001 (PDF)</a> |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |



**Agency Certification**

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

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers                                      |
| Series         | <a href="#">172675</a>                           |
| Application    | Power, Wire-to-Board                             |
| Overview       | <a href="#">Mini-Fit Family Power Connectors</a> |
| Product Name   | Mini-Fit Plus HCS                                |
| UPC            | 887191905297                                     |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 6              |
| Circuits (maximum)             | 6              |
| Color - Resin                  | Black          |
| Durability (mating cycles max) | 100            |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-2          |
| Glow-Wire Capable              | Yes            |
| Guide to Mating Part           | No             |
| Keying to Mating Part          | None           |
| Lock to Mating Part            | Yes            |
| Material - Metal               | Copper Alloy   |
| Material - Plating Mating      | Tin            |
| Material - Resin               | Nylon          |
| Net Weight                     | 1.616/g        |
| Number of Rows                 | 2              |
| Orientation                    | Vertical       |
| PC Tail Length                 | 1.80mm         |
| PCB Locator                    | Yes            |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.78mm         |
| Packaging Type                 | Tray           |
| Pitch - Mating Interface       | 4.20mm         |
| Pitch - Termination Interface  | 4.20mm         |
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | Yes            |
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not 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**

[172675](#) Series

**Mates With**

[46992](#) Mini-Fit Jr. Receptacle

**Electrical**

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

**Solder Process Data**

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-free Process Capability                   | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 220  |

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

|                         |                     |
|-------------------------|---------------------|
| Packaging Specification | PK-5566-001-001     |
| Product Specification   | PS-45750-001-001    |
| Sales Drawing           | SD-172675-0000-000  |
| Symbol/Footprint Data   | SYM-172675-0613-001 |
| Test Summary            | TS-5566-002-001     |

This document was generated on 10/04/2021

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