

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

**Part Number:** [1727081006](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Family Power Connectors](#)  
**Description:** Mini-Fit Sigma Receptacle Housing, 4.20mm Pitch, Dual Row, Glow-Wire Capable, 6 Circuits

**Documents:**

|   |   |
|---|---|
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Packaging Specification 1727080002-PK-000 (PDF)</a> |
| <a href="#">Product Specification 2029880002-PS-000 (PDF)</a> | <a href="#">Datasheet (PDF)</a>                                 |
| <a href="#">Product Specification 2131370000-PS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**General**

|                |  |
|----------------|--|
| Product Family | Crimp Housings                                   |
| Series         | <a href="#">172708</a>                           |
| Application    | Power, Wire-to-Board, Wire-to-Wire               |
| Overview       | <a href="#">Mini-Fit Family Power Connectors</a> |
| Product Name   | Mini-Fit Sigma                                   |
| UPC            | 191130138296                                     |

**Physical**

|                               |                |
|-------------------------------|----------------|
| Circuits (maximum)            | 6              |
| Color - Resin                 | Black          |
| Gender                        | Receptacle     |
| Glow-Wire Capable             | Yes            |
| Keying to Mating Part         | None           |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Nylon          |
| Net Weight                    | 1.647/g        |
| Number of Rows                | 2              |
| Packaging Type                | Bag            |
| Panel Mount                   | No             |
| Pitch - Mating Interface      | 4.20mm         |
| Pitch - Termination Interface | 4.20mm         |
| Polarized to Mating Part      | Yes            |
| Temperature Range - Operating | -40° to +105°C |

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                         |                                      |
|-------------------------|--------------------------------------|
| Packaging Specification | 1727080002-PK-000                    |
| Product Specification   | 2029880002-PS-000, 2131370000-PS-000 |
| Sales Drawing           | 1727080002-SD-000                    |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**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**

[172708](#) Series

**Mates With**

Mini-Fit Jr. Plug Housing [5559](#) , Mini-Fit TPA2 Plug Housing [5566](#) , Mini-Fit Jr. Headers [5569](#) , [172767](#)

**Use With**

Mini-Fit TPA2 Crimp Terminal [172718](#) , [202988](#) , Mini-Fit Sigma TPA Retainer [1727092003](#)