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Part Number:

0015060240

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-2, 24 Circuits



Series image - Reference only

|                                                                |                                                                |
|----------------------------------------------------------------|----------------------------------------------------------------|
| Documents:                                                     |                                                                |
| <a href="#">3D Model</a>                                       | <a href="#">Product Specification PS-45750-001-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Product Specification PS-5556-002-001 (PDF)</a>    |
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">Packaging Specification PK-42474-001-001 (PDF)</a> |
| <a href="#">Product Specification 55560002-PS-CH-000 (PDF)</a> | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>             |
| <a href="#">Product Specification 55560002-PS-ES-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification 55560002-PS-SK-000 (PDF)</a> |                                                                |

|                               |                                                                                                                                                                                                                          |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification          |                                                                                                                                                                                                                          |
| CSA                           | LR19980                                                                                                                                                                                                                  |
| UL                            | E29179                                                                                                                                                                                                                   |
| General                       |                                                                                                                                                                                                                          |
| Product Family                | Crimp Housings                                                                                                                                                                                                           |
| Series                        | 42474                                                                                                                                                                                                                    |
| Application                   | Power, Wire-to-Board, Wire-to-Wire                                                                                                                                                                                       |
| Comments                      | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. See Molex product specification PS-45750-001 for additional current derating information. |
| Overview                      | <a href="#">Mini-Fit Family Power Connectors</a>                                                                                                                                                                         |
| Product Name                  | Mini-Fit BMI                                                                                                                                                                                                             |
| Taxonomy                      | Connector Housings                                                                                                                                                                                                       |
| UPC                           | 800753689053                                                                                                                                                                                                             |
| Physical                      |                                                                                                                                                                                                                          |
| Breakaway                     | No                                                                                                                                                                                                                       |
| Circuits (maximum)            | 24                                                                                                                                                                                                                       |
| Color - Resin                 | Natural                                                                                                                                                                                                                  |
| Flammability                  | 94V-2                                                                                                                                                                                                                    |
| Gender                        | Receptacle                                                                                                                                                                                                               |
| Glow-Wire Capable             | No                                                                                                                                                                                                                       |
| Lock to Mating Part           | None                                                                                                                                                                                                                     |
| Material - Resin              | Nylon                                                                                                                                                                                                                    |
| Net Weight                    | 7.659/g                                                                                                                                                                                                                  |
| Number of Rows                | 2                                                                                                                                                                                                                        |
| Packaging Type                | Bag                                                                                                                                                                                                                      |
| Panel Mount                   | Yes                                                                                                                                                                                                                      |
| Pitch - Mating Interface      | 4.20mm                                                                                                                                                                                                                   |
| Pitch - Termination Interface | 4.20mm                                                                                                                                                                                                                   |
| Polarized to Mating Part      | Yes                                                                                                                                                                                                                      |
| Stackable                     | No                                                                                                                                                                                                                       |
| Temperature Range - Operating | -40° to +105°C                                                                                                                                                                                                           |
| Electrical                    |                                                                                                                                                                                                                          |
| Current - Maximum per Contact | 13.0A                                                                                                                                                                                                                    |
| Solder Process Data           |                                                                                                                                                                                                                          |
| Lead-freeProcess Capability   | N/A                                                                                                                                                                                                                      |
| Material Info                 |                                                                                                                                                                                                                          |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

[42474](#) Series

Mates With

[42475](#) MiniFit BMI Plug Housing. [43879](#) MiniFit CPI Header. MiniFit BMI Header [42404](#) , [42440](#). MiniFit SMC Surface Mount Compatible Header [43810](#) , [44068](#)

Use With

Mini-Fit Female Crimp Terminals [5556](#)  
<br>Mini-Fit Plus HCS Crimp Terminal [45750](#) <br>Mini-Fit Pre-Crimped Leads [797580001](#) , [797580009](#)

|                                    |                                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------|
| Engineering Number                 | 42474-2411                                                                                          |
| <b>Reference - Drawing Numbers</b> |                                                                                                     |
| Packaging Specification            | PK-42474-001-001                                                                                    |
| Product Specification              | 55560002-PS-CH-000, 55560002-PS-ES-000,<br>55560002-PS-SK-000, PS-45750-001-001,<br>PS-5556-002-001 |
| Sales Drawing                      | SD-42474-XXXX-001                                                                                   |
| Test Summary                       | TS-5556-002-001                                                                                     |

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