



Part Number : 15247160

Series Number : 42385

Product Category : PCB Headers and Receptacles

Product Description : Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, 2.54µm Tin (Sn), UL 94V-2, 16 Circuits

Status : Active

Engineering Number : 42385-16A1

Documents & Resources

Drawings

- Drawing 015247160_sd.pdf
- Packaging Design Drawing PK-42385-999-001.pdf

3D Models and Design Files


- 3D Model 015247160_stp.zip
- Symbol Footprint Data SYM-A42385-16XX-001.zip

Specifications

- Product Specification 55560002-PS-SK-000.pdf
- Product Specification 55560002-PS-CH-000.pdf
- Product Specification 55560002-PS-ES-000.pdf
- Product Specification PS-5556-002-001.pdf
- Test Summary 423850000-TS-000.pdf
- Test Summary TS-5556-002-001.pdf

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 33; 44 |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2023)8585-DC (23 Jan 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC

- Low-Halogen

Multiple Part Industry Compliance Documents

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

EU RoHS Certificate of Compliance

Part Details

General

| | |
|----------------|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 42385 |
| Description | Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, 2.54µm Tin (Sn), UL 94V-2, 16 Circuits |
| Application | Board-to-Board, Power, Wire-to-Board |
| Comments | Solder Type, With Pegs |
| Component Type | PCB Receptacle |
| Product Family | Mini-Fit Family Power Connectors |
| Product Name | Mini-Fit BMI |
| UPC | 800754910712 |

Agency

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

Electrical

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 9.0A |
| Grounding to PCB | No |
| Voltage - Maximum | 600V AC (RMS)/DC |

Physical

| | |
|-------------------|----|
| Circuits (Loaded) | 16 |
|-------------------|----|

| | |
|--------------------------------|----------------|
| Circuits (maximum) | 16 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-2 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Resin | Nylon |
| Net Weight | 3.248/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.00mm |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| 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 Dual Row Plug Housings | <u>42475</u> |
| Mini-Fit BMI Right-Angle Dual Row Headers | <u>42404</u> |
| Mini-Fit BMI Right-Angle Dual Row Headers | <u>43810</u> |
| Mini-Fit BMI Vertical Dual Row Headers | <u>42440</u> |
| Mini-Fit BMI Vertical Dual Row Headers | <u>43879</u> |
| Mini-Fit BMI Vertical Dual Row Headers | <u>44068</u> |

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