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Part Number: [0015247163](#)
Status: **Active**
Overview: [Mini-Fit Products](#)
Description: Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, 0.80µm Gold (Au), UL 94V-0, 16 Circuits

Documents:

| | |
|---|--|
| 3D Model | Packaging Specification PK-42385-999 (PDF) |
| Drawing (PDF) | Test Summary 423850000-TS-000 (PDF) |
| Product Specification PS-5556-002-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification TS-5556-002-001 (PDF) | |

Agency Certification

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

General

| | |
|----------------|-----------------------------------|
| Product Family | PCB Receptacles |
| Series | 42385 |
| Application | Board-to-Board, Power |
| Comments | Solder Type With Pegs |
| Overview | Mini-Fit Products |
| Product Name | Mini-Fit BMI |
| UPC | 800754910743 |

Physical

| | |
|--------------------------------|-----------------|
| Circuits (Loaded) | 16 |
| Circuits (maximum) | 16 |
| Color - Resin | Natural (White) |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-0 |
| 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 | Gold |
| Material - Resin | Nylon |
| Net Weight | 3.348/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.00mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

Electrical

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



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[42385](#) Series

Mates With

[42475](#) Panel Mount Plug, [42404](#) Right Angle Header, [42440](#) Vertical Header, [43879](#) Vertical Header, [44068](#) Vertical Header

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 | 240 |

Material Info

| | |
|--------------------|------------|
| Engineering Number | 42385-16B2 |
|--------------------|------------|

Reference - Drawing Numbers

| | |
|-------------------------|----------------------------------|
| Packaging Specification | PK-42385-999 |
| Product Specification | PS-5556-002-001, TS-5556-002-001 |
| Sales Drawing | SDA-42385-* |
| Test Summary | 423850000-TS-000 |

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