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Part Number: [0015247060](#)
Status: **Active**
Overview: [Mini-Fit Products](#)
Description: Mini-Fit® BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, Post 2.54µm Tin (Sn), UL 94V-2, 6 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 |
| MolexKits | Yes |
| Overview | Mini-Fit Products |
| Product Name | Mini-Fit® BMI |
| UPC | 800754209052 |

Physical

| | |
|--------------------------------|-----------------|
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-2 |
| Glow-Wire Compliant | 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 | 1.296/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 |



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/30/2017 (7 July 2017)

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 | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | 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

Voltage - Maximum 600V AC (RMS)/DC

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 42385-06A1

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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