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**Part Number:** [0015247101](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, Post 2.54µm Tin (Sn), UL 94V-0, 10 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-5556-002-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-42385-999-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 423850000-TS-000 (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="#">Symbol Footprint Data SYM-A42385-10XX-001 (PDF)</a>
<a href="#">Product Specification 55560002-PS-SK-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

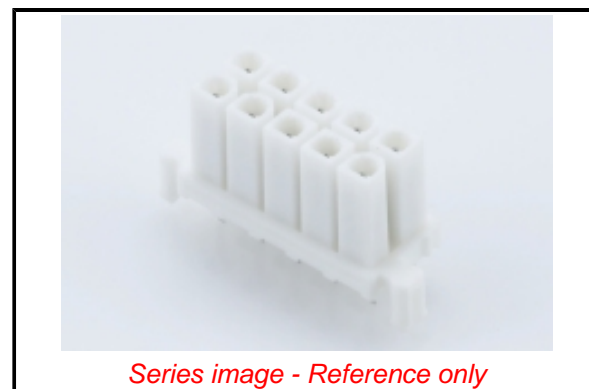
Product Family	PCB Receptacles
Series	<a href="#">42385</a>
Application	Board-to-Board, Power, Wire-to-Board
Comments	Solder Type With Pegs
Overview	<a href="#">Mini-Fit Family Power Connectors</a>
Product Name	Mini-Fit BMI
UPC	800754209243

**Physical**

Circuits (Loaded)	10
Circuits (maximum)	10
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	Tin
Material - Resin	Nylon
Net Weight	2.079/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° to +105°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	9.0A
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*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**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**

[42385 Series](#)

**Mates With**

Panel Mount Plug [42475](#) <br>Right Angle  
Headers [42404](#) , [43810](#) <br>Vertical  
Headers [42440](#) , [43879](#) , [44068](#)

Grounding to PCB No  
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 42385-10B1

**Reference - Drawing Numbers**

Packaging Specification PK-42385-999-001  
Product Specification 55560002-PS-CH-000, 55560002-PS-ES-000,  
55560002-PS-SK-000, PS-5556-002-001  
Sales Drawing SDA-42385-X-001  
Symbol/Footprint Data SYM-A42385-10XX-001  
Test Summary 423850000-TS-000, TS-5556-002-001

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