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Part Number: [0015247247](#)
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, 0.80µm Gold (Au), UL 94V-0, 24 Circuits

Documents:

Drawing (PDF)	Product Specification PS-5556-002-001 (PDF)
3D Model	Packaging Specification PK-42385-999-001 (PDF)
3D Model (PDF)	Test Summary TS-5556-002-001 (PDF)
Product Specification 55560002-PS-CH-000 (PDF)	Symbol Footprint Data SYM-A42385-24XX-001 (PDF)
Product Specification 55560002-PS-ES-000 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification 55560002-PS-SK-000 (PDF)	

General

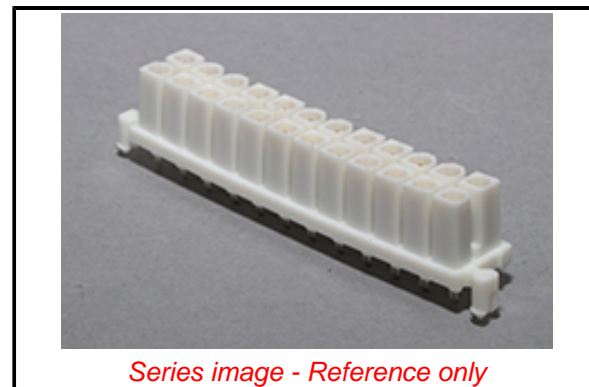
Product Family	PCB Receptacles
Series	42385
Application	Board-to-Board, Power, Wire-to-Board
Comments	Solder Type With Pegs
Overview	Mini-Fit Family Power Connectors
Product Name	Mini-Fit BMI
UPC	800756535289

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Natural (White)
Durability (mating cycles max)	30
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	4.884/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.20mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
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](#)
Right Angle
Headers [42404](#) , [43810](#)
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	A-42385-24D2
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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
Symbol/Footprint Data	SYM-A42385-24XX-001
Test Summary	TS-5556-002-001

This document was generated on 09/14/2021

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