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Part Number: [0015247247](#)
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, 24 Circuits

Documents:

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



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	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°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

China RoHS

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

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

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
Product Specification	PS-5556-002-001, TS-5556-002-001

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