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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 Compliant	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/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

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
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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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