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Part Number:

0015247140

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-2, 14 Circuits

Documents:

3D Model (PDF)	Product Specification PS-5556-002-001 (PDF)
3D Model	Packaging Specification PK-42385-999-001 (PDF)
Drawing (PDF)	Test Summary 423850000-TS-000 (PDF)
Product Specification 55560002-PS-CH-000 (PDF)	Test Summary TS-5556-002-001 (PDF)
Product Specification 55560002-PS-ES-000 (PDF)	Symbol Footprint Data SYM-A42385-14XX-001 (PDF)
Product Specification 55560002-PS-SK-000 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

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
Taxonomy	PCB Headers and Receptacles
UPC	800753535053

Physical

Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-2
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	2.876/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
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Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	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](#)

Current - Maximum per Contact	9.0A
Grounding to PCB	No
Voltage - Maximum	600V AC (RMS)/DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	005
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240
Material Info	
Engineering Number	42385-14A1
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-A42385-14XX-001
Test Summary	423850000-TS-000, TS-5556-002-001

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